

# Loyola Marymount University 2017-2018 University Bulletin

The University Bulletin contains the academic and administrative policies and regulations that govern enrollment of undergraduate, graduate, and postbaccalaureate students at Loyola Marymount University. Students are responsible for knowing academic and administrative policies and regulations affecting their program of study and for abiding by all such policies and regulations during their period of enrollment at the University. Continued enrollment is subject to compliance with the academic and administrative policies and regulations. Failure to understand the policies and regulations does not relieve a student of her or his responsibility for adhering to the policies and regulations.

Students are governed by the applicable University and degree requirements in the University Bulletin of their entry year into the University. Students must normally fulfill the department major or program requirements in effect when they declare the primary major or program of study. If these requirements have been modified since the most recent Bulletin, students may be required to fulfill those with the most recent date. Students are advised to consult the chairperson of the major department or the appropriate program director for the correct information.

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# The University

## History

The names "Loyola" and "Marymount" have long been associated with Catholic higher education in countries around the globe. Saint Ignatius Loyola, founder of the Society of Jesus, the Jesuits, sanctioned the foundation of his order's first school in 1548. The Religious of the Sacred Heart of Mary have conducted educational institutions since their establishment in France by Father Jean Gailhac. These two traditions of education have come together in Los Angeles as Loyola Marymount University.

The present institution is the successor to the pioneer Catholic college and first institution of higher learning in Southern California. In 1865 the Vincentian Fathers inaugurated St. Vincent's College for Boys in Los Angeles. When this school closed in 1911, members of the Society of Jesus opened the high school division in their newly founded Los Angeles College.

Rapid growth prompted the Jesuits to commence the collegiate department that same year, seek a new campus in 1917, and incorporate as Loyola College of Los Angeles in 1918. Relocating to the present Westchester campus in 1929, the school achieved university status one year later.

Graduate instruction began in 1920 with the foundation of a separate law school. The formation of the Graduate Division occurred in June 1950, though graduate work had formed an integral part of the Teacher Education Program during the preceding two years.

The Religious of the Sacred Heart of Mary began teaching local young women in 1923. Ten years later they opened Marymount Junior College in Westwood which first granted the baccalaureate degree in 1948. The school later transferred classes to a new campus on the Palos Verdes Peninsula in 1960. Eight years later, Marymount College moved again, this time to the Westchester campus of Loyola University as an autonomous college. At this juncture, the Sisters of St. Joseph of Orange joined the Marymount Sisters as partners.

After five years of sharing faculties and facilities, Loyola University and Marymount College merged and formed Loyola Marymount University in July 1973. Through this union, the expanded school maintained the century-old mission of Catholic higher education in Los Angeles.

In articulating a vision for this unique collegiate enterprise, the Board of Trustees turned to the history of the four-century-old Jesuit educational philosophy as well as to the history and traditions of the Marymount and St. Joseph's Sisters. They also recognized the riches of a variety of religious traditions represented among the dedicated faculty and staff that complemented and enhanced the school's heritage of Catholic values.

The University pursues quality in:

- Curricula of All Academic Programs
- Co-curricular Programs and Support Services
- Faculty, Administration and Staff
- Students
- Campus Life, Hospitality and Services

Loyola Marymount University:

- Promotes Academic Excellence
- Lives an Institutional Commitment to Roman Catholicism and the Judeo-Christian Tradition
- Provides a Liberal Education
- Fosters a Student-centered University

- Creates a Sense of Community on Campus
- Participates Actively in the Life of the Larger Community

## University Mission Statement

### Introduction

Loyola Marymount University offers rigorous undergraduate, graduate, and professional programs to academically ambitious students committed to lives of meaning and purpose. We benefit from our location in Los Angeles, a dynamic city that brings into sharp focus the issues of our time and provides an ideal context for study, research, creative work, and active engagement. By intention and philosophy, we invite men and women diverse in talents, interests, and cultural backgrounds to enrich our educational community and advance our mission:

- The encouragement of learning
- The education of the whole person
- The service of faith and the promotion of justice

The University is institutionally committed to Roman Catholicism and takes its fundamental inspiration from the combined heritage of the Jesuits, the Marymount Sisters, and the Sisters of St. Joseph of Orange. This Catholic identity and religious heritage distinguish LMU from other universities and provide touchstones for understanding our threefold mission.

### The Encouragement of Learning

At LMU, the encouragement of learning takes place in the context of an intellectual tradition that:

- Insists on critical thinking and the development of imagination and artistic expression
- Takes philosophical and theological disciplines seriously
- Engages in ethical discourse and embraces the search for values
- Respects the integrity of the individual while at the same time pursuing the common good
- Views the world as sacramental and seeks to find God in all things
- Encourages an integration of knowledge in which "faith and reason bear witness to the unity of all truth" (*Ex Corde Ecclesiae*, 1990, #17)

As a foundation for inquiry and learning, we strive to create an intercultural community and to promote ecumenical and inter-religious dialogue. This means that at LMU the encouragement of learning is a radical commitment to free and honest inquiry - but always with reverence before the mystery of the universe and openness to transcendent reality.

### The Education of the Whole Person

With roots in the spiritual humanism of the earliest Jesuit colleges, LMU's pedagogical tradition has an abiding concern for the education of the whole person. Today we understand this as a simultaneous process of information, formation, and transformation. The education of the whole person thus includes these points:

- It encourages personal integration of the student's thinking, feeling, choosing, evolving self. It does this by fostering not only academic and professional development but also physical, social, psychological, moral, cultural, and religious/spiritual growth.

- It promotes formation of character and values, meaning and purpose. As students learn to "read" what is going on in their own lives and in the larger world, they are encouraged to grow in the skills of personal and social literacy needed for responsible citizenship.
- It seeks to develop men and women for others. LMU encourages students, faculty, and staff to identify with those living on the margins of society so that the intellectual inquiry and moral reflection endemic to university life will lead to meaningful work for transformative social change.

### **The Service of Faith and the Promotion of Justice**

We take seriously both parts of this phrase. The service of faith encompasses all those ways in which the University engages its Catholic intellectual, cultural, and religious heritage. These ways include specific courses and academic programs as well as opportunities for worship, faith formation, and spiritual development.

The service of faith also honors the reality of religious pluralism on our campus and embraces inter-faith dialogue in formal and informal contexts. The desired outcome of such encounters moves us beyond tolerance to mutual respect and understanding, deepens appreciation of one's own faith, and creates opportunities for engaging others who share a longing for meaningful lives.

Finally, at LMU we insist that the service of faith is incomplete without the promotion of justice. Together with the University's sponsoring religious orders and the post-Vatican II Church, we believe that participating in the struggle for justice in ways appropriate to our academic community is a requirement—not simply an option—of biblical faith. In this struggle LMU makes common cause with all who share a commitment to local and global justice, whether they are motivated by faith or other noble ideals.

Updated May 2010

### **Goals**

Loyola Marymount University promotes academic excellence by:

- Enrolling an academically ambitious, multicultural, and socioeconomically diverse student body
- Recruiting, retaining, and supporting a diverse and multicultural faculty committed to excellence in teaching and active scholarship or artistic productivity
- Sustaining an excellent staff and administration as partners with the faculty in promoting academic excellence
- Engaging students in academic programs that explore the multicultural experience of American ethnic groups
- Maintaining an academic community in which freedom of inquiry and expression enjoy the highest priority
- Emphasizing the skills and knowledge necessary for a lifetime of intellectual growth and providing strong pre-professional and professional preparation in the undergraduate curriculum
- Offering excellent graduate and legal education in a context which promotes the highest standards of personal integrity and professional responsibility
- Developing and maintaining the physical facilities, equipment, and support systems that enable the university to carry out its academic mission
- Providing library facilities and services for excellence in the university's undergraduate, graduate, and professional programs

Lives an institutional commitment to Catholicism and the Judeo-Christian tradition by:

- Ensuring that Catholic faith and tradition continue to inform and inspire the Loyola Marymount educational experience
- Encouraging collaboration between members of the founding religious communities and other members of the University to give a distinctive tone to campus life
- Welcoming students, faculty, and staff from all faith traditions
- Emphasizing the examination of the moral and ethical implications of all human actions
- Fostering a just society through a commitment to social justice and service
- Offering opportunities for religious practice and faith development for the entire Loyola Marymount community

Provides a liberal education by:

- Offering a core curriculum that provides each undergraduate with a broad education in the liberal arts and sciences as the heart of the undergraduate experience
- Emphasizing the study of philosophy and theology in the undergraduate curriculum
- Challenging all students to think critically and reflect on basic values and issues, and free themselves from prejudice
- Supporting a faculty committed to excellent teaching and scholarship in a university based on the liberal arts tradition
- Encouraging students to understand their fields of studies in a broad intellectual, ethical, and social context
- Preparing students, undergraduate and graduate, to play active roles in addressing the problems and challenges of the larger society and world in which they live

Fosters a student-centered university by:

- Maintaining the residential character and medium size of the Westchester campus to assure that each student receives personal attention
- Encouraging staff, administration, and faculty to embrace the ideal of personal care and dedication to the well-being and development of each student
- Offering co-curricular programs that complement the academic programs and produce a coherent educational experience
- Supporting the full involvement of students in campus life by offering a wide variety of activities
- Providing opportunities for students to develop their leadership skills by actively involving them in decision making
- Challenging and encouraging students to lead and serve others

Creates a sense of community on campus by:

- Introducing new members of the community to the shared values and history of the university and reinforcing a sense of belonging for all members
- Assuring that the daily life of the campus reflects a vision of human dignity and fosters mutual understanding and caring
- Celebrating the richness and diversity of a multicultural campus

- Encouraging faculty, staff, administrators, and students to serve others, participate in the life of the University, and act as responsible and generous members of the academic community
- Providing opportunities to participate in making significant decisions through well-defined and fair procedures

Participates actively in the life of the larger community by:

- Using the resources of Los Angeles and Southern California to expand and deepen the student's educational experience
- Developing academic programs that address the dynamics and opportunities of the nations and cultures of Latin America and the Pacific Rim
- Inspiring faculty, staff, students, and alumni to serve their communities and society by applying their skills and knowledge to critical problems
- Contributing to the intellectual and cultural life of society through scholarship and the arts
- Providing leadership in the examination and discussion of the ethical dimensions of social issues
- Recognizing a particular responsibility to serve the global Church, and especially the people of the Archdiocese of Los Angeles and the local dioceses.

Approved by Board of Trustees, December 3, 1990

## Interculturalism

Interculturalism is sharing and learning across cultures with the aim of promoting understanding, equity, harmony, and justice in a diverse society. Our actions must be grounded in, and guided by, the following:

- LMU is composed of individuals and groups who continue to grow in knowledge of the historical contexts from which we emerged.
- Knowledge of self and others, inspired by a commitment to human dignity and justice, is the hallmark of interculturalism.
- Promotion of the common good requires the recognition of similarities within a common humanity, the appreciation of differences, and the willingness to share cross-cultural experiences.
- Interculturalism is a dynamic and critical endeavor that involves the acquisition of knowledge, ongoing examination of the way we view the world, and purposeful action to promote a just and harmonious society at LMU and beyond.

## Vision

Grounded in the *Catholic intellectual tradition*, Loyola Marymount University affirms human dignity and promotes justice. Different cultures are unique expressions of these common aspirations.

All cultures can contribute to the search for knowledge and the building of communities based on the common humanity of all people. At LMU, interculturalism is an essential source of academic excellence and a defining characteristic of our campus community. We draw upon interculturalism to create a university of excellence, to serve as a model Catholic institution, and to be a catalyst for the creation of a more just society built on respect and a sense of shared destiny.

We embody interculturalism in our policies, practices, and curricula. We promote personal and professional interaction, encouraging intercultural engagement to engender trust, respect, and compassion. Intercultural engagement enables us to share power

and responsibility as we grow in self-knowledge, learn to value the unique qualities of diverse cultural groups, and understand the common elements of our shared humanity.

## Accreditation

Accreditation—a seal of approval by professional peers—indicates that an institution or program meets the quality standards of the group conferring the accreditation.

Loyola Marymount University is both regionally and professionally accredited by the following organizations:

### Regional/General Accreditations

- Western Association of Schools and Colleges (WASC)\*

### Program-Specific Accreditation

- Accreditation Association for Ambulatory Health Care
- American Art Therapy Association
- American Bar Association
- Association of American Law Schools
- Association to Advance Collegiate Schools of Business
- California State Commission on Teacher Credentialing
- Committee of Bar Examiners of the State Bar of California
- The Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology
- International Association of Counseling Services
- National Association of Schools of Art and Design Commission of Accreditation
- National Association of Schools of Dance
- National Association of Schools of Music
- National Association of Schools of Theatre
- National Association of School Psychology
- National Council for Accreditation of Teacher Education

\*WASC is reviewed periodically and recognized by the U.S. Department of Education (USDOE) and the Council for Higher Education Accreditation (CHEA).

## Membership

Loyola Marymount University is a member of the following organizations:

- American Academy in Rome
- American Association of Colleges for Teacher Education
- American Association of Collegiate Registrars and Admissions Officers
- American Chemical Society
- American College Personnel Association
- American College of Physicians
- American Council on Education
- American Counseling Association
- American Mathematical Society
- American Schools of Oriental Research
- American Society for Engineering Education
- American Volleyball Coaches Association
- Association of American Colleges
- Association of College and University Housing Officers—International
- Association of Fraternity Advisors
- Association of Graduate Schools in Catholic Colleges and Universities

- Association of International Educators
- Association of Jesuit Colleges and Universities
- Association of University and College Counseling Center Directors
- Association to Advance Collegiate Schools of Business
- Black Coaches Association
- California Association of Counseling and Development
- California Career Development Association
- California Council on the Education of Teachers
- California Educational Placement Association
- California Women in Higher Education
- College Entrance Examination Board
- Conference of the Registrars in Jesuit Institutions
- Consortium of Liberal Arts Small Independent Colleges
- Council of Graduate Schools in the United States
- Jesuit Association of Student Personnel Administrators
- Los Angeles Chamber of Commerce
- National Association of Advisors for the Health Professions
- National Association of Campus Activities
- National Association of College Directors of Athletics
- National Association of Colleges and Employers
- National Association of Graduate Admissions Professionals
- National Association of Schools of Art and Design
- National Association of Schools of Dance
- Western Regional Honors Council
- National Association of Schools of Music
- National Association of Schools of Theatre
- National Association of Student Employment Administrators
- National Association of Student Personnel Administrators
- National Catholic Education Association
- National Collegiate Athletic Association
- National Collegiate Honors Council
- National Consortium on Academics and Sports
- National Intramural Recreational Sports Association
- National Society of Experiential Education
- North American Association of Summer Sessions
- NSPE--National Society of Professional Engineers
- Organization of Counseling Center Directors in Higher Education
- Pacific Association of Collegiate Registrars and Admissions Officers
- Southern California International Careers Consortium
- Western Association of College and University Housing Officers
- Western Association of Colleges and Employers
- Western Association of Graduate Schools
- Western Association of Student Employment Administration
- Western Association of Student Financial Aid Administration
- Western Association of Summer Session Administrators

# Admission to the University

## Undergraduate Admission

Loyola Marymount University welcomes applications from students who subscribe to the goals of the University and who are qualified to undertake its programs. The University makes selective and individual decisions, and the academic record is the primary consideration. Writing ability; accomplishments in academic, artistic, athletic, co-curricular, or work- or service-related endeavors; recommendations; national test scores; and relationship to the University are also given significant consideration. Each application is individually evaluated.

Candidates are considered for admission to either the Fall or Spring semester, provided ALL required documents have been received before the priority dates. The Fall priority date for freshman applicants is January 15; transfer applications are due March 15; the Spring priority date for all applicants is October 15. Early Action (non-binding) and Early Decision (binding) programs are also offered to freshman applicants for the Fall semester; a non-binding Early Action program is available to fall semester transfer applicants. November 1 is the deadline for fall semester freshmen to apply under either the Early Action or Early Decision program. The Early Action deadline for transfer is February 1. Full consideration cannot be assured to applicants failing to meet these priority dates. A personal interview is not required, but individual Admission counseling appointments are encouraged. Personal appointments and campus tours can be arranged through the Office of Admission. Please visit <http://admission.lmu.edu> or call 310.338.2750. The fax number is 310.338.2797, and the email address is [admissions@lmu.edu](mailto:admissions@lmu.edu).

## High School Subjects Recommended for Admission

The following high school course of study is recommended for admission into the University.

English	4 years
Foreign Language	3 years
Mathematics	3 years
Laboratory Science	2 years
Social Sciences	3 years
Academic Electives	1 year

Business students must complete a unit in each of the following: elementary algebra, geometry, intermediate algebra/trigonometry, and precalculus. Engineering, computer science, mathematics, and science majors should complete four units of mathematics and one unit each of biology, chemistry, and physics.

## Admission Procedure

Loyola Marymount University is a member of the Common Application. All applicants should file the Common Application by the appropriate deadline and submit a \$60 nonrefundable application fee. Students preferring not to use the Common Application may use the alternate online application, which may be found at [admission.lmu.edu/apply](http://admission.lmu.edu/apply).

The following procedures apply to all candidates. Transfer and international applicants should be sure to note specific additional requirements as stated below. Candidates seeking admission to Loyola Marymount University should:

1. File the Common Application and the LMU Writing Supplement or the LMU online application by the appropriate deadline and submit a \$60 nonrefundable application fee or an appropriate fee waiver. Application forms are available online at [admission.lmu.edu/apply](http://admission.lmu.edu/apply).
2. Request official transcripts to be sent from the last high school attended and from each college attended. Advanced Placement students must submit official AP test score results in order to receive college credit. International Baccalaureate students must submit official result of IB Higher Level examinations to receive college credit.
3. Arrange for SAT I or ACT scores to be sent to the Director of Admission. Information about SAT I may be obtained from the College Board: P.O. Box 6200, Princeton, NJ 08541-6200 or at <http://www.collegeboard.org>. Information about ACT may be obtained from the American College Testing Program: ACT Records, P.O. Box 451, Iowa City, IA 52243 or at <http://www.actstudent.org>.
4. Before school begins, all entering students are required to submit an official final high school transcript certifying the completion of secondary requirements and showing the high school graduation date. Transfer students are also required to submit official transcripts for any courses completed since the application for admission was filed. Students failing to submit required transcripts will be prevented from registering for subsequent semesters until this requirement is satisfied.

## Notification of Acceptance

Candidates will be evaluated for admission after all of the required steps in the application process have been completed, according to the following calendar:

- **Fall freshman applicants (Early Action):** Decisions for candidates applying under the Early Action program whose applications are complete by November 1 will be announced before December 20. Early Action applications may be accepted, denied, or deferred for further consideration during the regular decision process. Loyola Marymount's Early Action program is non-binding.
- **Fall freshman applicants (Early Decision):** Decisions for candidates applying under the Early Decision program whose applications are complete by November 1 will be announced December 1. Early Decision applications may be accepted, denied, or deferred for further consideration during the regular decision process. Loyola Marymount's Early Decision program is binding.
- **Fall freshman applicants (Regular Decision):** Decisions for candidates considered under the Regular Decision program (applications submitted after November 1 and before January 15) will be sent on a rolling basis, and no later than April 1.
- **Fall semester transfer applicants (Early Action):** Decisions will be announced no later than March 15.
- **Fall semester regular decision transfer applicants and all Spring semester candidates:** Notification of acceptance will be sent on a rolling basis.

A final transcript is required as verification that all work in progress has been completed with a GPA equal to or greater than the student's overall grade point average at the time of acceptance. In the event that the final semester of work does not meet required criteria, acceptance may be rescinded.

## Academic Scholarships

Each year the Loyola Marymount Scholarship Committee offers academic scholarships to the most accomplished candidates for freshman admission. These scholarships are renewable for four years and are not based on financial need.

The Arrupe Scholarship, named for Fr. Pedro Arrupe, S.J., the former Superior General of the Society of Jesus (the Jesuits), carries a minimum value of \$12,500 per year. Selection is based on outstanding GPA and SAT I/ACT scores, with supplemental consideration to leadership potential and school or community service and involvement.

From among the Arrupe Scholars, the Scholarship Committee further selects a very limited number of students for additional scholarship consideration, including the Presidential and Trustee Scholarships (see the Financial Aid section of the Bulletin for more information on these scholarships).

All students meeting the January 15 Regular Decision deadline will be automatically considered for all academic scholarships. Superior students are encouraged to apply under the Early Action program to ensure full consideration for Presidential and Trustee Scholarships.

Further information on all LMU Scholarship programs for entering freshmen may be found at <http://financialaid.lmu.edu/prospective/scholarships>.

## Commitment Deposit

Accepted students intending to enroll are required to submit a nonrefundable \$250 commitment deposit to secure their seat in the class.

The commitment deposit is held by the University and is non-refundable. The commitment deposit may be applied at the discretion of the University against any delinquent and unpaid debts. This deposit is payable from the student's own resources. It will neither be deducted from any financial aid awards nor billed as part of tuition and fees.

If the commitment deposit is not received within the stated time, the acceptance for admission may be canceled.

## Housing

First-time freshmen entering in the Fall term are guaranteed University housing, provided their commitment deposit is received electronically or postmarked no later than May 1 for Fall admission.

Fall term transfer students and any student entering in the Spring term are not guaranteed housing. Instead, they are offered accommodations on a space-available basis. Their housing requests will be processed on a first-come, first-served basis as they make their commitment deposits and return all requested Housing information.

## Admission of Transfer Students

Each semester the University considers students for transfer, provided they are in good standing and not under academic or disciplinary probation or suspension from the last school attended. Please see the paragraph on Admission Procedure above for general admission requirements. The priority dates for transfer applications for fall admission are February 1 (Early Action) and March 15 (regular decision); for Spring admission, the priority date is October 15. Transfer students are considered for admission as follows:

Students who would have been acceptable for admission as freshmen to Loyola Marymount University at the time of their graduation from high school will be considered for transfer standing if they have at least a 3.00 cumulative average for all previous

college work and at least a 3.00 average for the most recent college work attempted prior to admission.

Students who, for academic reasons, were not acceptable for admission as freshmen at the time of their graduation from high school will be considered for transfer standing if they have completed at least the equivalent of 30 semester hours of transferable college work with at least a 3.00 cumulative average and at least a 3.00 average for the most recent college work attempted prior to admission.

Admission of transfer students is selective and subject to available space and enrollment limitations. The minimum transfer GPA of 3.00 may not always be sufficient to secure admission. Likewise, certain majors require that some prerequisites be completed prior to transferring.

The College of Business Administration explains its transfer policy in its section of the Bulletin.

Transfer admission to Film and Television Production and Recording Arts in the School of Film and Television is limited and restricted to students with freshman or sophomore standing. Students with more than 60 transferable units are not eligible for admission to these programs.

Credit for work completed at institutions accredited by one of the six regional associations of the Accrediting Commission for Senior Colleges and Universities, other than course work identified by such institutions as remedial or in other ways as being nontransferable, will be accepted toward the satisfaction of baccalaureate degree and credential requirements at the University within limitations of residence requirements. Courses with grades below C (2.0) do not transfer. A maximum of 60 semester hours from two-year colleges are transferable to the degree program of the University.

Policies regarding transfer credit for a particular degree may vary slightly among the individual colleges, depending upon degree requirements. In general, courses having comparable content and class level with those in the LMU curriculum will transfer.

## Admission of International Students

International students should follow the same admission procedures and priority dates outlined above. International students are admitted as degree-seeking students only.

Further, international students are cautioned to comply with the following additional guidelines to ensure compliance with immigration authorities and avoid delay in the processing of the applications:

1. Take the Test of English as a Foreign Language (TOEFL) given by the Educational Testing Service and arrange for scores to be sent to the Director of Admission. Information about this test may be obtained from: Test of English as a Foreign Language, P.O. Box 6151, Princeton, NJ 08541-6151 or at <http://www.ets.org/toefl>. The University's minimum standard for undergraduate admission is 550 (paper-based TOEFL), 213 (computer-based TOEFL), or 80 (Internet-based TOEFL). As an alternative to taking the TOEFL, non-native English speakers may also take the International English Language Testing System (IELTS) which is jointly managed by British Council, IDP: IELTS Australia and the University of Cambridge ESOL Examinations (Cambridge ESOL). Information about this test may be obtained from: <http://www.ielts.org>. The University's minimum standard for undergraduate admission is 6.5.
2. Submit a statement of financial responsibility for all obligations covering the full period of time for which the student is making application.

- Submit official transcripts of previous academic training. Documents must be sent from the originating sources directly to the Admission Office and must cover all secondary schools attended and, if college study was attempted, all colleges and universities attended. Documents should include results of standard examinations administered by government or certifying agencies.

Photostatic copies are acceptable only if they are notarized as true copies and bear the original seal of the notarizing authority. All documents submitted for admission become property of the University and will not be returned.

The United States Department of Justice Immigration and Naturalization Form (I-20) will be sent after the \$250 non-refundable Commitment Deposit has been received by the Office of Admission.

### Non-Degree Students

Students wishing to take courses at the University on a non-degree basis must file an application with the Office of Admission in accordance with regularly stated deadlines. Proof of eligibility to study at the University will be required, including transcripts or other appropriate documents.

Non-degree students will be allowed to study for a period of no more than three semesters or a total of 18 semester hours, whichever occurs first.

### Advanced Placement

LMU participates in the Advanced Placement Program of the College Board. Students may be granted credit at the time of entrance into the University for subjects in which they have completed the AP examinations with minimum score of 4. When official scores have been received from the College Board, applicants will be notified of the advanced placement and course credit in accordance with the following table.

Note that an essay is required for all examinations offering optional essays.

AP Exam	Number of Semester Hours Awarded	Equivalent LMU Course(s)
Art History	6	ARHS 2000 and ARHS 2002
Biology	6	No specific course
Calculus AB	4	MATH 131
Calculus BC	8	MATH 131 and MATH 132
Chemistry	4	No specific course
Chinese Language and Culture	8	CHIN 2101 and CHIN 2102
Comparative Government and Politics	4	POLS 1400
Computer Science A	3	CMSI 185
English Language and Composition	4	No specific course
English Literature and Composition	4	No specific course
Environmental Science	3	ENVS 101
European History	4	HIST 1200
French Language and Culture	8	FREN 2101 and FREN 2102
German Language and Culture	8	GRMN 2101 and GRMN 2102
Human Geography	4	GEOG 1000
Italian Language and Culture	8	ITAL 2101 and ITAL 2102

Japanese Language and Culture	8	JAPN 2101 and JAPN 2102
Latin	8	CLAR 1115 and CLAR 1125
Macroeconomics	4	ECON 1200
Microeconomics	4	ECON 1100
Music Theory	3	No specific course
Physics C: Mechanics	4	PHYS 101
Physics C: Electricity and Magnetism	4	PHYS 201
Physics 1: Algebra-based	4	PHYS 253
Physics 2: Algebra-based	4	PHYS 254
Psychology	4	No specific course
Spanish Language and Culture	8	SPAN 2101 and SPAN 2102
Spanish Literature and Culture	8	No specific course
Statistics	3	MATH 104
Studio Art: Drawing	6	No specific course
Studio Art: 2D Design	3	No specific course
Studio Art: 3D Design	3	No specific course
United States Government and Politics	4	POLS 1200
United States History	4	HIST 1300
World History	4	HIST 1050

### International Baccalaureate

LMU may award up to 6 semester hours (up to 8 for lab-based science courses) for higher level passes for which a student scores a 5 or above. Not all higher level examinations will yield advanced-standing credit. The IB chart that follows shows IB examinations that have been approved for transfer.

IB Exam	Minimum IB Score Required	Number of Semester Hours Awarded	Equivalent LMU Course(s)
Biology Higher Level	5	6	BIOL 101 and BIOL 102
Business and Management Higher Level	5	6	No specific course

Chemistry Higher Level	5	6	No specific core; 8 semester hours awarded for CHEM 110, CHEM 111, CHEM 112, and CHEM 113 (satisfies CHEM 111 and CHEM 114 requirement for engineering majors)
Computer Science Higher Level	5		Pending
Economics Higher Level	5	6	ECON 1100 and ECON 1200
English A1 Higher Level	5	6	No specific course
Foreign Language A1 (non-English) Higher Level	5	6	No specific course
Foreign Language A2 Higher Level	5	6	No specific course
Foreign Language B Higher Level	5	6	No specific course
Geography Higher Level	5	4	GEOG 1000
History 2003 exam Higher Level	5	6	No specific course
History 2003 exam: Islamic Higher Level	5	6	No specific course
History 2010 exam (Rt. 1) Higher Level	5	6	No specific course
History 2010 exam (Rt. 2) Africa Higher Level	5	6	No specific course
History 2010 exam (Rt. 2) Asia and Oceania Higher Level	5	6	No specific course
History 2010 exam (Rt. 2) Americas Higher Level	5	6	No specific course
History 2010 exam (Rt. 2) Europe and the Middle East Higher Level	5	6	No specific course
Mathematics Higher Level	5	6	MATH 120 and MATH 122
Modern Classical Language Higher Level	5	6	No specific course
Philosophy Higher Level	5	6	No specific course
Physics 2001 exam Higher Level	5	6	No specific course

Physics 2007 exam Higher Level	5 (6-7 for engineering majors)	8*	Score of 5: No specific course Score of 6-7: PHYS 253 and PHYS 254 Engineering students with IB HL scores of 6-7 need to meet with the Chairperson of Physics to determine if they will receive credit for PHYS 101 and/or PHYS 201 courses.
Psychology Higher Level	5	4	PSYC 1000
Social and Cultural Anthropology Higher Level	5	6	No specific course
Theatre Higher Level	5	3	THEA 110
Visual Arts: Option A Higher Level	5	6	No specific course
Visual Arts: Option B Higher Level	5	6	No specific course

*Note: Students studying for the Bachelor of Arts in Liberal Studies do not follow the regular University Core pattern.*

*\* IB credit does not count for most graduate Health Professions and Dental schools. Students intending to pursue pre-medical studies should fulfill major requirements at LMU*

## Graduate Admission

### Ed.D. in Educational Leadership for Social Justice, Master's Degree, and Credential

Loyola Marymount University welcomes applications from students without regard to race, color, gender, creed, national origin, disability, marital status, or religion. All prospective graduate students are expected to provide evidence of suitable preparation for graduate-level work. Applicants interested in the doctoral or master's programs must have received a bachelor's or a master's degree from a college or university that has been accredited as a degree-granting institution recognized by the Commission on Recognition of Postsecondary Accreditation (CORPA). The bachelor's or master's degree must have been awarded by the institution where final coursework was completed. School of Education applicants must also have their bachelor's or master's degree awarded from a regionally accredited college or university.

All applicants for a doctoral, master's, and the California Credential programs must supply the following admission materials:

Application for admission plus the application fee (\$50.00) and two official transcripts of all colleges and universities attended. Most programs require additional materials, including standardized test scores, a personal statement, and letters of recommendation. Candidates will be considered for admission, provided all required documents have been received. Further details on the admission procedure, application deadlines, and departmental prerequisites are given in the section dealing with the respective programs. A student who wishes to apply for admission to a program after the closing date for applications should contact the program director for permission to file an application.

#### Additional Admission Requirements for International Students

1. International applicants who have completed their postsecondary education from a college or university

outside of the U.S. must hold a degree from a university recognized by the Ministry of Education as a degree granting institution in the country where the institution is located. All international applicants must have their transcripts translated and evaluated by a U.S. transcript evaluation service before the application is considered for admission. For applicants to the Frank R. Seaver College of Science and Engineering, School of Education, School of Film and Television, and Marital and Family Therapy program, a **detailed** transcript evaluation identifying GPA must be submitted with the application.

2. All applicants (including those who received their bachelor's degree from a U.S. college or university) must take the Test of English as a Foreign Language (TOEFL) unless they received a high school diploma in the United States.

Exceptions to this rule may be made on a case by case basis for students from countries where English is one of several official languages, as well as at the discretion of the program director. The minimum score for admission into most graduate programs is 100 Internet-based, except for the Frank R. Seaver College of Science and Engineering, which requires a minimum score of 79. For information regarding the TOEFL, please write to: Test of English as a Foreign Language, Box 899, Princeton, New Jersey, U.S.A., 08540. If after admission to a graduate program the applicant's proficiency in English should prove inadequate, the University reserves the right to require additional proficiency in English and failure to comply will result in disqualification from the graduate program.

3. The applicant must also file with the University a certified statement showing financial ability to cover all obligations for the full period of time for which the student is making application. This statement should be from either a United

States bank or agency or an international bank. The United States Department of Immigration and Naturalization Form I-20 Certificate of Eligibility will not be issued by the University until such documentation is on file in the Graduate Studies Office.

Tuition, books, etc., plus living expenses amount to between \$25,000 and \$40,000 a year or more depending on the program selected.

4. The applicant must comply with passport and visa requirements as set down by the United States Immigration Service.  
International students must be continuously enrolled during the academic year to meet visa requirements.
5. All admission requirements should be received ninety days prior to the term for which application is being made.
6. An international student cannot be issued an I-20 Certificate of Eligibility as a non-degree graduate student.

### **Non-Degree Status**

Students who are not pursuing a formal graduate program but who are eligible to take graduate-level courses at LMU may apply for non-degree status. In addition to filing the Application for Non-Degree Graduate Status plus the application fee (\$10.00), students should attach official copies of transcripts to verify receipt of a degree and that all prerequisites have been met. The Graduate Division reserves the right to request additional transcripts when necessary.

### **Reapplication Procedures for a Second Degree**

A student who has completed one Master's or credential program and wishes to enter another must file a formal application form with the Graduate Studies Office. A student who has completed a credential program at LMU and wishes to apply for a Master's

program must file a formal application form with the Graduate Studies Office. If the application is submitted within one year of completion of the master's or credential, the normal application fee is waived.

### **Readmission**

A student wishing to return to the University after two years in which he or she was not enrolled must reapply for admission through the Graduate Studies Office and will be evaluated on the same conditions as all other new students.

### **Admitted Students**

Students who do not remain in good academic standing will have a hold placed on their registration for the following semester.

### **Immunization Record for Graduate Students**

New graduate students entering the University who were born after 1956 are required to return a completed Immunization Record to the Student Health Center. All new students entering the University must show results of a Tuberculin Skin Test given within the last year. ALL immunizations must be current and physician-verified. Students with incomplete forms will have their registration withheld for the following semester until the completed Immunization Record has been received by the Student Health Center.

In addition, all international students must submit their immunization records to the Student Health Center. Students with incomplete forms will have their registration withheld for the following semester until the completed form has been received by the Student Health Center.

# Financial Aid

## Undergraduate Financial Aid

The mission of Loyola Marymount University's Financial Aid Office is to provide students access to financial resources to assist them in achieving their educational goals. The Financial Aid Office administers federal, state, institutional, and private financial aid programs to help students meet the educational costs to attend Loyola Marymount University.

The Financial Aid Office, located in the Von der Ahe Building, Ste. 270, welcomes visitors from 8:00 a.m. to 5:00 p.m. Monday through Friday. The telephone number is 310.338.2753, and the fax number is 310.338.2793. Visit the Financial Aid Office website at <http://financialaid.lmu.edu> for the most current information on financial assistance.

## Application Procedures

Entering Freshmen and Transfer students:

Students can apply for financial aid by completing the required forms prior to being formally admitted:

1. The Free Application for Federal Student Aid (FAFSA), available at <http://www.fafsa.ed.gov>.
2. **California residents only:** applications for the Cal Grant must complete the FAFSA and complete Cal Grant GPA Verification Form by the deadline established by the California Student Aid Commission at [www.calgrants.org](http://www.calgrants.org).

Visit the financial aid website at <http://www.lmu.edu/financialaid> for current year application and program deadlines.

Non-degree credential and post-baccalaureate pre-medical students:

Non-degree credential or post-baccalaureate pre-medical students are considered 5th year undergraduates and complete the Free Application for Federal Student Aid (FAFSA) at <http://www.fafsa.ed.gov>. Students should indicate their grade level on the FAFSA as Teaching Credential (non-degree program) or 5th Year undergraduate. Parent information may be required on the FAFSA.

Continuing Undergraduates:

LMU requires all continuing undergraduates who have received aid in a prior year at LMU to complete the following: the Free Application for Federal Student Aid (FAFSA) at <http://www.fafsa.ed.gov>.

Visit the financial aid website at <http://www.lmu.edu/financialaid> for deadlines.

## General Eligibility

To receive financial aid:

Students must be enrolled in a degree program or eligible non-degree program at Loyola Marymount University. Students working towards a second Bachelor's degree are only eligible for the Federal Subsidized and Unsubsidized Stafford loan programs.

Students must have received a high school diploma or the equivalent of a high school diploma such as a General Education Development (GED) certificate, have completed homeschooling at the secondary level as defined by state law or have completed secondary school education in a homeschool setting which qualifies for an exemption from compulsory attendance requirements under state law, if state law does not require a home-schooled student to receive a credential for their education.

Students must be enrolled full-time to be eligible for most University-funded financial aid programs. Eligibility for federal and California state grant programs require at least half-time enrollment. Students who enroll less than half-time are generally only eligible for the Federal Pell Grant.

Students must be U.S. citizens, permanent residents, or other eligible non-citizens and meet other program eligibility requirements to be eligible for federal, state, and University-funded financial aid programs. Limited scholarships and assistantships are available for international students.

Students must not owe a refund from any federal grant or loan or be in default on any federal loan.

Students required to register with Selective Service must register.

Students must make satisfactory academic progress.

## Financial Aid Communications

The Financial Aid Office primarily communicates with students electronically. Students are notified of information regarding their aid application via their LMU email and MyLMU, LMU's online portal which provides access to various campus systems.

## Maintaining Eligibility for Financial Aid

### Satisfactory Academic Progress (SAP)

To be eligible for federal, state, and University financial aid programs, students are required to make satisfactory academic progress.

These standards are separate and distinct from the University's Academic Degree Requirements and Policies as stated in the University Bulletin.

These guidelines are in accordance with those required by federal regulations for recipients of federal grant, work, and loan programs, including the Federal Direct Parent (PLUS) Loan. These standards also apply to state aid or state-funded financial aid programs in accordance with the State of California.

Recipients of LMU tuition benefits who are not receiving any other federal, state, or University funds are not bound by these guidelines.

Undergraduate, teaching credential and post-baccalaureate students must:

- maintain a minimum semester and cumulative grade point average of 2.00
- if enrolled full-time, complete 67% of attempted hours.

**Note:** Recipients of Merit scholarships are required to maintain the minimum grade point average stated in their academic scholarship award letter.

- not exceed the maximum timeframe to complete an undergraduate degree, 150% of the required semester hours (120) = 180 semester hours.

### Grades

Grades of F, NC, AU, and W do not count in calculating the minimum grade point average. Grades of I (Incomplete) or IP (In Progress) temporarily will not be counted until the final grade is posted. Students must comply with the requirements to convert an I or IP to a permanent grade according to the requirements as stated in the University Bulletin.

### Withdrawals

Students who withdraw from all coursework or take a leave of absence and later enroll in a subsequent term retain the SAP status held during their last term of enrollment.

### Transfer Student Course Evaluation

Transfer students are evaluated based on the number of units accepted at admission to determine their maximum time frame to receive financial aid.

### **Repeat Coursework**

A student who receives federal financial aid (Title IV funds) must follow Repeat Coursework rules in order to be considered as meeting enrollment requirements for financial aid eligibility and satisfactory academic progress. The federal regulations are listed below:

- A student may repeat a previously passed course once.
- A student may repeat a failed course until the student passes the course.
- A student, who passes a course but does not meet the grade requirement established by the college or school, may only repeat the course one time.
- A student who earns a passing grade in a course and chooses to retake the course a second time earning a grade of "F" or "W" may not take the course a third time and that course be considered as enrollment of federal financial aid programs.
- A student may repeat a course as an independent study, special topics, film genre, etc., as long as the subject matter is different for each course and the institution awards new credit each time.

### **Maximum Time Frame to Complete Degree**

Students must complete their degree within 150% of the published credit hours required to graduate. For example, an undergraduate student in a program requiring 120 semester hours to complete must meet all graduation requirements by 180 semester hours.

**Important:** The maximum time frame to complete degree requirements does not override institutional, federal, or state financial aid programs that have a maximum period of eligibility. For example, University funded aid programs and the Cal Grant are available for a maximum of eight semesters. Students should refer to the Academic Degree Requirements and Policies section of the University Bulletin for information on the recommended course load required to complete their degree requirements in eight semesters (4 years).

### **Satisfactory Academic Progress Review Process**

All students receiving financial aid are reviewed for satisfactory academic progress at the end of each term of enrollment.

### **SAP Warning**

Students enrolled for the summer are reviewed after the end of the second summer session. Students failing to meet these requirements for the first time receive a "SAP Warning" Notice. Students are eligible for financial aid for their next term of enrollment while on Warning status.

### **Financial Aid Probation**

A student who has received a "SAP Warning" and does not meet the minimum requirements after their next term of enrollment is not eligible to receive financial aid. The student may submit a **Satisfactory Academic Progress Appeal** to the Financial Aid Office. This appeal must detail why the student was unable to meet minimum satisfactory academic progress requirements and the steps being taken to meet the minimum requirements and regain eligibility. If the appeal is approved the student is placed on **Financial Aid Probation** for one term. Students who cannot meet the minimum requirements within one term are encouraged to meet with an academic advisor to prepare an academic contract which outlines the terms and period that will allow the student to meet the minimum requirements.

### **Withdrawals—Impact on Financial Aid**

Students who withdraw from all coursework will have their tuition charges adjusted based on their date of withdrawal. Current information on University tuition refund policies is available at <http://www.lmu.edu>.

Housing and University meal plans will be adjusted according to the terms set by the housing office and meal plan contracts. Students should contact the Student Housing Office and Student Accounts for specific refund information.

Students receiving financial aid who decide to withdraw from all coursework during a term are required to notify the Office of the Registrar and the Financial Aid Office. Federal financial aid will be adjusted according to federal regulations known as **"Return of Title IV Aid."**

University- and state-funded programs will be adjusted according to University and state policies.

### **Unofficial Withdrawal**

Students who do not receive a passing grade in any coursework, i.e., all F's or combination of F's and W's may be required to return all or a portion of their financial aid if it is determined that the student stopped attending without notifying the University. Official documentation will be requested to determine when the student last participated in an academically related activity and financial aid will be returned according to federal, state and institutional policies. This may result in the student owing a balance to the University.

For detailed information on how financial aid is adjusted based on withdrawal, visit <http://www.lmu.edu/financialaid>.

### **Financial Aid: Fraud**

Any fraudulent use of financial aid funds is cause for immediate suspension or dismissal, as well as discontinuance of future financial aid. This includes, but is not limited to, fraudulent statements on Financial Aid forms, tax documents, and student Mytime for both hours worked and approvals obtained.

## **Programs of Assistance for Undergraduates**

### **Academic Scholarships for First Time Freshmen**

Loyola Marymount University offers a wide range of academic scholarship programs to recognize and reward the scholastic accomplishments of our most distinguished entering freshmen. Scholarship selection is coordinated by the Office of Undergraduate Admission, in consultation with LMU's faculty and administration. Detailed information on these programs is available on the Financial Aid Office website at <http://www.lmu.edu/financialaid>.

Receipt of an Academic Scholarship does not preclude consideration from financial aid awarded by the Financial Aid Office but must be coordinated according to federal, state, and University policies.

### **Grants**

**LMU Grants** are merit/need-based grants awarded to students who meet all federal and University eligibility requirements. Students must complete the FAFSA to apply, meet LMU's priority funding deadlines, and comply with all requests for additional documentation to be considered.

The **Federal Pell Grant** program is a federal aid program designed to provide financial assistance to eligible students for postsecondary studies. The amount of the Pell Grant is determined based on financial need as determined from the FAFSA, cost of attendance and enrollment status.

**Federal Supplemental Educational Opportunity Grant (FSEOG)** program is designed to assist those students who would not otherwise be financially able to pursue an undergraduate course of study. The amount of the grant is determined by reviewing the student's financial resources and also the resources of the parents. Students must be eligible for the Federal Pell Grant and, like other grants, this grant does not have to be repaid.

**Cal Grants** eligibility is determined by the California Student Aid Commission. All undergraduates who are residents of California are encouraged to apply. Cal Grants can be applied towards tuition and fees. For detailed information on Cal Grants, visit <http://www.calgrants.org>.

### Scholarships

There are additional scholarships available to LMU students. Most scholarships are awarded by the Financial Aid Office and do not require that students complete a special application. Scholarships that require a separate application are provided at <http://www.lmu.edu/financialaid>.

### Student Employment

The **Federal Work Study** program is another source of employment for students who qualify based on financial need. This program is funded jointly by the Federal Government and the University. It is designed to create jobs for students at the University, such as library researchers, teaching assistants, laboratory technicians, intramural referees, team managers, etc. Under the Work Study Program, most students will be awarded funds to average 10-15 hours of work per week during the term. Students are hired for part-time positions for the entire academic year, and they may earn up to the amount listed on their current financial aid award letter.

**Loyola Work** is a University-funded non-need work program. Funding for this program is limited and may not be awarded to those students who do not meet LMU priority funding deadlines.

The **Student Worker** program is an employment program designed to give students the opportunity to earn a majority of their education expenses by working on campus. The Student Worker Organization is an autonomous group that is primarily student-directed and operated. Selected students must live on campus. Jobs include maintenance, recycling, and clerical and miscellaneous tasks for departments on campus. More information on this program is available at <http://www.studentaffairs.lmu.edu/activitieservice/studentleadershipdevelopment/studentworkerprogram>.

Student Employment Services provides employment assistance to the students of Loyola Marymount University including part-time jobs ranging from 10-20 hours a week, part-time/full-time seasonal work during the Christmas and summer vacations, temporary jobs on an hourly basis, and tutoring positions within the student's major field of study. These services are for all students regardless of their financial need. They are primarily off-campus positions.

### Loans

All federal loans require that the student complete the Free Application for Federal Student Aid (FAFSA) and comply with any requests for additional information.

**Federal Perkins Loan** is a low-interest loan for students based on need. Repayment begins nine months after the student has ceased to be enrolled at least half-time.

**Federal Subsidized and Unsubsidized Direct Stafford Loans** are a low-interest federal loan for students.

The **Federal Direct Parent (PLUS) Loan** is a low-interest federal loan made to creditworthy parents.

**LMU Institutional Loans** are low interest loans offered to students from private funds provided to the University.

**Private (Alternative) Loans** are loans certified for creditworthy students who complete the application process with a lender of their choice. Alternative loan counseling with the Financial Aid Office is also required.

For information on loan terms and the application process for these loan programs, visit <http://www.lmu.edu/financialaid>.

### Graduate Financial Aid

The mission of Loyola Marymount University's Financial Aid Office is to provide students access to financial resources to assist them in achieving their educational goals. The Financial Aid Office administers federal, state, and private awards as well as institutional awards that are selected in conjunction with the Graduate Division.

### General Eligibility

Students must be U.S. Citizens, permanent residents, or other eligible non-citizens to be eligible for federal, state, and institutionally-funded financial aid programs and meet other eligibility requirements. Limited scholarships and assistantships are available for international students.

Students must be enrolled in a Doctoral, Master's, Credential, Post-baccalaureate or eligible Certificate Program as degree-seeking students at Loyola Marymount University to receive financial aid administered by the Financial Aid Office. Non-degree credential and post-baccalaureate students are considered 5th year undergraduates for the purposes of financial aid.

**A graduate student is eligible to receive federal and/or state financial aid if enrolled at least half-time in graduate level coursework as determined by his/her program level. Only courses numbered in the 500s, 600s, 5000s, 6000s, and 7000s are considered graduate level.**

### Master's Degree and Doctoral Students not Completing Dissertation

Fall Semester, Spring Semester, and Summer Sessions (combined):

Full-Time: 6+ semester hours

Half-Time: 5-3 semester hours

Less Than Half-Time: 2-0 semester hours

### Non-Degree Credential (Credential Only)

Fall Semester and Spring Semester:

Full-Time: 12+ semester hours

Half-Time: 6-11 semester hours

Less Than Half-Time: 5-0 semester hours

### Pre-Medical Post-Baccalaureate Program

Fall Semester and Spring Semester:

Full-Time: 12+ semester hours

Half-Time: 6-11 semester hours

Less Than Half-Time: 5-0 semester hours

Summer Sessions (combined):

Full-Time: 6+ semester hours

Half-Time: 5-3 semester hours

Less Than Half-Time: 2-0 semester hours

### Doctoral Students Completing Dissertation

Fall Semester, Spring Semester, and Summer Sessions (combined):

Full-Time: 2 semester hours

Students must not owe a refund from any federal grant or loan or be in default on any federal loan.

### Application Procedures

## Grants and Scholarships

All students, including International students, interested in Loyola Marymount University grants, scholarships, or assistantships offered through the Graduate Division, are encouraged to apply by submitting the appropriate application. For additional information pertaining to grants, scholarships, or assistantships, please contact the Director of your graduate program.

## Federal and State Aid

U.S. Citizens, permanent residents, and eligible non-citizens who are interested in participating in federal and/or state aid programs offered through the Financial Aid Office should visit us online at <http://financialaid.lmu.edu> for application information, office hours, contact information, and to review the Frequently Asked Questions.

## Financial Aid Communications

Communications from the Financial Aid Office will be primarily electronic in form. The LMU student Lion email account, PROWL, and MyLMU messaging are our primary means of communicating important financial aid information.

- MyLMU (<https://my.lmu.edu>)  
MyLMU provides students with access to various campus systems, e-mail, registration, billing, forms, and communications. MyLMU is accessed by a user name and a password that are automatically generated upon acceptance to LMU. For assistance logging into MyLMU, contact the ITS Help Desk at 310.338.7777.
- PROWL (<http://www.lmu.edu/prowl>)  
PROWL is our online student financial aid resource. Using PROWL, students can view their application status, requests for additional information/documentation from the Financial Aid Office, important messages, and their Financial Aid Award.

## Satisfactory Academic Progress (SAP) and Financial Aid Probation

To be eligible for federal, state, and University financial aid programs, students are required to make satisfactory academic progress. These standards are separate and distinct from the University's Academic Degree Requirements and Policies as stated in the University Bulletin.

These guidelines are in accordance with those required by federal regulations for recipients of federal grant, work, and loan programs. These standards also apply to state aid or state-funded financial aid programs in accordance with the State of California.

Recipients of LMU tuition benefits who are not receiving any other federal, state, or University funds are not bound by these guidelines.

Graduate students must:

- maintain a minimum semester and cumulative grade point average of 3.00
- if enrolled full-time, complete a minimum of three (3) semester hours per semester
- not exceed the five (5) year maximum timeframe to complete a graduate degree.

## Grades

Grades of F, NC, AU, and W do not count in calculating the minimum grade point average. Grades of I (Incomplete) or IP temporarily will not be counted until the final grade is posted. Students must comply with the requirements to convert an incomplete to a permanent grade according to the requirements as stated in the University Bulletin.

## Withdrawals

Students who withdraw from all coursework or take a leave of absence and later enroll in a subsequent term retain the SAP status held during their last term of enrollment.

## Repeat Coursework

A student who receives federal financial aid (Title IV funds) must follow Repeat Coursework rules in order to be considered as meeting enrollment requirements for financial aid eligibility and satisfactory academic progress. The federal regulations are listed below:

- A student may repeat a previously passed course once.
- A student may repeat a failed course until the student passes the course.
- A student who passes a course but does not meet the grade requirement established by the college or school may only repeat the course one time.
- A student who earns a passing grade in a course and chooses to retake the course a second time earning a grade of "F" or "W" may not take the course a third time.
- A student may repeat a course as an independent study, special topics, film genre, etc., as long as the subject matter is different for each course and the institution awards new credit each time.

## Maximum Time Frame to Complete Program

The normal time allowed for the completion of graduate degree programs is five (5) years. A student who has not completed the degree within five (5) years must request an extension of time. If the extension is granted by the Program Director or Dean of the student's college or school, the student may be required to undertake additional coursework. Some departments have a shorter limit for the completion of the program. A minimum of 30 graduate semester hours (500 and 600 level) and a minimum of 3.0 ("B") cumulative grade point average are necessary to qualify for completion of a program. See individual program descriptions for specific and additional graduation requirements.

**Important:** The maximum time frame to complete degree requirements does not override institutional, federal or state financial aid programs that have a maximum period of eligibility. For example, Cal Grant TCP is available for a maximum of one (1) year.

Students should refer to the Academic Degree Requirements and Policies section of the University Bulletin for information on the recommended course load required to complete their degree requirements in five (5) years.

## Satisfactory Academic Progress Review Process

All students receiving financial aid are reviewed for satisfactory academic progress at the end of each term of enrollment.

## SAP Warning

Students enrolled for the summer are reviewed after the end of the second summer session. Students failing to meet these requirements for the first time receive a "SAP Warning" notice. Students are eligible for financial aid for their next term of enrollment while on Warning status.

## Financial Aid Probation

If the student does not meet the minimum requirements after his or her next term of enrollment, he or she is not eligible to receive financial aid. Students may submit a **Satisfactory Academic Progress Appeal** to the Financial Aid Office. This appeal must detail why the student was unable to meet minimum satisfactory academic progress requirements and the steps being taken to meet the minimum requirements and regain eligibility. If the appeal is approved, the student is placed on **Financial Aid Probation** for one

term. Students who cannot meet the minimum requirements within one (1) term are encouraged to meet with an academic advisor to prepare an academic contract which outlines the terms and period that will allow the student to meet the minimum requirements.

### **Withdrawal Calculations**

When students receiving financial aid are eligible for a refund or a cancelation of LMU charges, their financial aid funding will also be adjusted. A refund is calculated when a student withdraws from the University, drops out, takes an unapproved leave of absence that will exceed 60 days, is expelled or otherwise does not complete the period of enrollment for which he or she was charged. The financial aid award will be recalculated based on federal refund requirements, and the Controller's Office will be notified. Any resulting charge will be added to the student's account. Any resulting refund, due to a federal financial aid program will be made by LMU for the student.

### **Fraud**

Any fraudulent use of financial aid funds is cause for immediate suspension or dismissal and criminal prosecution, as well as discontinuance of future financial aid. This includes, but is not limited to, fraudulent statements on financial aid forms or submitted documentation, inaccurate tax returns, and student time cards for both hours worked and signatures obtained.

## **Programs of Assistance for Graduate Students**

### **LMU Graduate Division**

Please visit us on the web at <http://www.lmu.edu/gradfinancialaid> to explore the various scholarship, employment, and loan opportunities available for graduate students at LMU through the Division.

### **Scholarships**

#### **Departmental Graduate Scholarships**

Each graduate program at LMU awards its own departmental scholarships based on financial need and merit. Applications are available online at <http://financialaid.lmu.edu>.

Some departments may require that students complete the Free Application for Federal Student Aid (FAFSA), in addition to the department's Graduate Scholarship Application, in order to be considered. Information on how to complete the FAFSA can be found online at <http://financialaid.lmu.edu>.

Inquiries about the application and/or selection process should be directed to a program's Graduate Director.

#### **Catholic Teacher/Ministry Fund**

Students who work full-time as Catholic school teachers, administrators, or parish administrators are eligible to apply. Students must submit their department's Graduate Scholarship Application with proof of employment attached (e.g., last pay stub, letter from your supervisor on official letterhead) in order to be considered. Additional instructions can be found online at <http://financialaid.lmu.edu>.

Contact the Director of your program if you have questions about the application and/or selection process.

#### **Endowed and Donated Scholarships**

Some programs have additional scholarships available. Consult the Director of your program for information about additional scholarships and the application process.

#### **Developing Countries Scholarships**

Catholic clergy or members of Catholic religious communities from developing countries may apply for full tuition assistance in order to obtain one (1) master's or doctoral degree in any field of study at

LMU. Interested applicants should submit a copy of their R-1 visa to the Graduate Division, along with a one (1) page statement of intent. Please contact the Graduate Division at 310.338.2721 or [graduate@lmu.edu](mailto:graduate@lmu.edu) for more information on how to apply for this scholarship.

### **Religious Scholarships**

Catholic Clergy or members of Catholic religious communities are eligible to receive a scholarship equal to 25% of their total tuition costs. Please contact the Graduate Division at 310.338.2721 or [graduate@lmu.edu](mailto:graduate@lmu.edu) for more information on how to apply for a Religious Scholarship.

### **Student Employment**

Program assistantships are available through individual programs on a competitive basis. Consult the Director of your program for information about available assistantships.

There are also jobs on campus for which graduate students may apply. Visit us on the web at <http://financialaid.lmu.edu> for application information, or contact the Graduate Division at 310.338.2721 directly for more information.

### **LMU Financial Aid Office**

The Financial Aid Office at LMU administers federal, state, and private financial aid programs. Additional information can be found online at <http://financialaid.lmu.edu>.

### **Federal Grants**

#### **PELL Grant**

Non-degree credential students that have not exhausted their undergraduate lifetime PELL Grant eligibility and who qualify for a PELL Grant will be automatically awarded.

The Federal PELL Grant program is a federal aid program designed to provide financial assistance to eligible students for postsecondary studies. The amount of the PELL Grant is determined based on financial need as determined from the FAFSA, cost of attendance and enrollment status.

### **State Grants**

#### **Cal Grant TCP**

Students who received a Cal Grant A or B as an undergraduate and begin an Elementary or Secondary teaching program within 15 months of their last Cal Grant payment, may apply to renew their Cal Grant for one (1) additional year. School of Education students participating in a specialized cohort program who receive a Cal Grant A or B extension will be awarded Cal Grant first, not to exceed their specialized cohort's total scholarship commitment. Complete a G-44 renewal form available at <http://www.calgrants.org>.

### **Federal Student Employment**

#### **Federal Work-Study**

LMU employs students each year to work on campus in a variety of jobs. To receive Federal Work-Study, you must complete the FAFSA and meet financial need and eligibility requirements. Funding to hire students is limited, and eligible students are awarded upon request as funding permits.

### **Federal Direct Loan Programs**

#### **Federal Direct Unsubsidized Stafford Loans**

All students who complete the FAFSA and meet federal eligibility requirements will be offered an Federal Direct Unsubsidized Stafford loan. This means that the borrower is responsible for the interest from the time the loan is disbursed. While enrolled at least half-time, a borrower may defer interest payments and capitalize the interest.

#### **Federal Direct Parent and Graduate/Professional Student PLUS Loan**

The Federal Direct PLUS Loan program is designed to help bridge the gap between the financial aid a student is awarded and the cost of attendance. In order to apply for a PLUS Loan, borrowers must complete the FAFSA and be creditworthy. Students may borrow up to the LMU standard cost of attendance, minus all other financial aid a student has received.

**Reminder:** A graduate student must be enrolled at least half-time, as determined by his/her program level, in order to receive federal financial aid. Students may not borrow in excess of the annual Federal Direct Loan borrowing limits as determined by the federal government.

For information on loan terms and the application process for these loan programs, visit <http://financialaid.lmu.edu>.

For more details on all federal loan programs visit the Federal Student Aid Web site at <http://www.studentaid.ed.gov>.

### **Private (Alternative) Loan Programs**

Private loans are educational loans available from the private sector. The interest rate on these loans varies by lender, and eligibility is based on creditworthiness of the student or student's co-borrower. Eligible students are encouraged to apply for all federal and institutional financial aid programs including the Federal Direct Graduate PLUS Loan, **before** considering a private educational loan. The maximum a student may borrow in a private loan is LMU's standard cost of attendance, minus all other financial aid a student has received.

All students interested in borrowing a private loan must meet with a Financial Aid Counselor to complete Alternative Loan Counseling.

For more information regarding the loans available to graduate students at LMU, please visit the Financial Aid Office online at <http://financialaid.lmu.edu>.

### **Federal and State Teacher Loan Forgiveness Programs**

#### **Federal Perkins Loan Cancellation**

Borrowers may qualify for cancellation (discharge) of up to 100% of a Federal Perkins Loan if they have served full-time in a public or nonprofit elementary or secondary school system as a

- Teacher in a school serving students from low-income families; or
- Special-education teacher, including teachers of infants, toddlers, children, or youth with disabilities; or
- Teacher in the fields of mathematics, science, foreign languages, or bilingual education, or in any other field of expertise determined by a state education agency to have a shortage of qualified teachers in that state.

For more information or to obtain an application, contact the office that administers the Federal Perkins Loan program at the school that holds your loan.

#### **Teacher Loan Forgiveness (TLF)**

TLF is a federal program to assist teachers in repayment of Federal Stafford and Direct Loans. Eligible loan borrowers must have been employed as teachers for five years in a qualified teaching service area. For more information, visit <http://studentaid.ed.gov>.

#### **AmeriCorps Education Award**

Students who participate in the AmeriCorps service program must request their AmeriCorps Education Award payment online at <http://my.americorps.gov>. The Education Award will be electronically transferred to their student account at LMU, 7-10 business days from the date payment is requested.

## Tuition and Fees

The tuition charge supports the instructional program and general operating and administration of the University, such as ordinary health services, various counseling services, lectures, intercollegiate athletic events, and the library. Tuition is charged based on primary curricula.

Other fees may exist that are not listed within each heading. Fees are subject to change without notice. Generally, fees are indicated

based on enrolled status. The University reserves the right to change, delete, or add to this pricing schedule as deemed appropriate.

For further information, please contact the Controller's Office at 310.338.2711 or at [studacct@imu.edu](mailto:studacct@imu.edu).

The following is information for the 2017-2018 academic year.

### Regular Tuition

#### Undergraduate Full-Time Students

(programs of 12 or more semester hours):

per academic year	\$45,460
per semester	\$22,730

#### Graduate Tuition per Semester Hour

Engineering	\$1,214
Engineering Production Management and Systems Engineering Leadership (SELP)	\$1,408
Marital and Family Therapy	\$1,214
MBA - Continuing Students	\$1,408
MBA - 2017-2018 Cohort	see MBA Program
MS in Accounting	\$990
Doctorate School of Education	\$1,520
School of Education	\$1,219
School of Film and Television	\$1,214
All Other Graduate Programs	\$1,160

### Special Tuition

#### Part-Time Undergraduate Students

(Semester hour rate for 11 semester hours or less):

#### Undergraduate Students

per semester hour	\$1,897
Auditors, per semester hour	\$476

### Residence Hall Fees

Housing Processing Fee/Deposit	\$400
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This mandatory deposit is applied to the room charge but is forfeited by those who fail to register and complete their Housing Arrangements.

#### Desmond, Doheny, Huesman, Rosecrans, Sullivan, and Whelan Halls

per academic year	\$9,855
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#### McKay Hall

double rooms with adjoining baths,  
per academic year \$9,995

McCarthy and Rains Halls

double rooms with adjoining baths,  
per academic year \$10,290

Del Rey North/South Halls

per academic year \$9,855

Housing cost applies to the academic year only. Additional costs may be associated with non-standard living accommodations. Students who live on campus during recess periods will be charged a daily rate as indicated in their lease agreement. Summer Session Housing fees are additional.

**Apartment Fees**

The University has beds in completely furnished apartment-style residence halls on campus. Each apartment accommodates four students in two bedrooms with adjoining bath and a living room with a pullman-style kitchen.

Tenderich Apartments

Fall semester \$6,271

Spring semester \$5,569

Hannon, O'Malley/Leavey IV, V, and VI Apartments

Fall semester \$6,348

Spring semester \$5,637

Apartments are open during recess and semester breaks.

**Board Programs**

The various plans are referred to as LION Dollar Plans. All students living in non-apartment residences are required to purchase a plan. Special dietary food may be obtained by arrangement. Four plans are offered by Sodexo Food Services. Each plan contains LION dollars, which are declining balance accounts. The L, I, and O plans also offer LION points per semester.

LION Dollar Plans are not refundable.

Plan L, per academic year \$4,400

Plan I, per academic year \$3,800

Plan O, per academic year \$3,400

Plan N, per academic year \$3,000

L, I, O, and N plans can be changed only during the third week of classes in Fall. New students only entering in Spring may change their meal plan during the third week of the Spring semester.

Meal plans are managed by the Student Housing Office. Please visit their website: <http://studentaffairs.lmu.edu/housing/studenthousing/> for more information.

(These rates are subject to change.)

**Other Fees**

Admission Application Fee

(undergraduate) \$60 mandatory

Admission Application Fee

(graduate) \$50 mandatory

Commitment Deposit

\$250 mandatory

The commitment deposit is a one-time non-refundable fee required by all new freshmen and transfer students admitted.

#### Commitment Fees, Graduate

(non-refundable)	varies per department
Health Service use per semester, graduate students (optional)	\$50
MBA Student Associate Fee (including SELP), per semester	\$75 mandatory
(The CBA graduate student activity fee supports student and alumni social events, professional development, clubs and organizations, and MBASA governance activities.)	
Orientation Fee (non-refundable mandatory for entering freshmen and transfers)	
Fall entry	\$250
Spring entry	\$125
Registration Fee, per semester (mandatory) assessed each term to all students	\$64
School of Education Comprehensive	
Exam Fee	\$300
School of Education ePortfolio	
(one-time fee)	\$128
School of Education TPA Fee	\$100
Accident Insurance Year (mandatory for 7 or more semester hours)	\$114
Health Insurance (mandatory for 7 or more semester hours, unless proof of coverage provided)	\$2,430
Tuition Refund Insurance	\$119
Student Activity Fee (mandatory for full-time undergraduates)	
per academic year	\$200
part-time enrollment	\$8 per semester hour
Student Recreation Facility Fee (mandatory for all full-time undergraduate students, voluntary for all part-time and graduate students)	
per academic year	\$150
per semester	\$75
guests of students	\$5 per visit
Media Fee	
(mandatory for full-time undergraduates)	\$84
International Student Fee	
(per semester)	\$60
Graduate Student Activity Fee	
(per semester)	\$20
Parking Fees	

Fall and Spring	\$686
per semester	\$343
Summer only	\$205

Please visit the LMU Parking and Transportation website at <http://www.lmu.edu/parking> for more information.

### Miscellaneous Fees

*Generally all miscellaneous fees are non-refundable unless stated otherwise and due when charged to your Student Account.*

Collection Cost	\$100 minimum to a maximum of 40% of the outstanding balance charged to your Student Account and interest up to 10% per year.
Credit by Examination	\$75
5-Month Check Mailing Payment Plan Fee per semester	\$150
5-Month Auto-Deduct Payment Plan per semester	\$50
Degree Application Fee	\$145
Directed Teaching Fee, per semester hour:	
Elementary	\$25
Secondary	\$25
Equipment Insurance Fee	\$5
Late Payment Plan Enrollment Fee	\$100
Late Payment Fee (monthly)	\$100
Replacement Charge for OneCards	\$15
Returned Check Charge	\$35
Rush Transcript	\$10
Teacher Placement Fee	\$30
Thesis or Project Binding Fee, Graduate	\$26 mandatory

Certain courses may also require mandatory laboratory fees. Check with departments.

Any unpaid fines or charges (such as parking, library, property damage) or any miscellaneous charges incurred by a student while in attendance at the University will be charged to the student's account. Certain fees deemed optional are required to obtain that good or service.

The tuition, fees, and other charges described above are good faith projections for the academic year. They are, however, subject to change from one academic term to the next as deemed necessary by the University in order to meet its financial commitments and to fulfill its role and mission.

There are other fees and charges unique to certain programs that are dependent upon a student's matriculation at the University. These fees or charges may be determined by contacting the University offices that administer those programs or activities in which the student intends to enroll or engage.

### 2017-2018 Undergraduate Estimated Cost of Attendance

Since each student may elect various services with associated charges, it is not possible to determine precisely all student charges before registration. However, the following schedule estimates the charges for one academic year for a typical freshman undergraduate resident exclusive of entertainment, injury insurance, or other personal costs. Your actual cost may vary.

Full-time Undergraduate Students	Living On Campus	Living Off Campus, NOT with Parents or Relatives	Living Off Campus with Parents or Relatives
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Estimated Tuition and Fees	\$46,136	\$46,136	\$46,136
Estimated Average Room and Board	\$14,066	\$13,293	\$5,247
Estimated Direct Loan Fees	\$0	\$0	\$0
Estimated Parking and Transportation	\$837	\$1,233	\$1,098
Estimated Books and Supplies	\$1,854	\$1,854	\$1,854
Estimated Personal Expenses	\$2,403	\$3,006	\$3,276
<b>Total Estimated Cost</b>	<b>\$65,296</b>	<b>\$65,522</b>	<b>\$57,611</b>

Note: Refer to your specific program for actual costs and fees.

Estimate assumptions for illustration: Assumes Lion Dollars Plan I or Lion Dollars S Plan for apartments. (Average apartment rate used for apartment residents.) Actual Financial Aid Budget may vary due to individual economic circumstances.

### Payment of Student Charges

To make a payment or enroll in a payment plan, please visit the Student Accounts Center accessible via MyLMU, PROWL, or through the Student Accounts website: <http://www.lmu.edu/StudentAccounts>. Tuition, fees, and board charges are payable by the semester. **Financial clearance is necessary and subject to Late Financial Fee after the deadline.** Clearance may be obtained from the Office of Student Financial Services at the time of payment or by making arrangements for the payment plan described below.

Registration for classes may be canceled for any student whose payment for tuition or fees is returned unpaid from the bank or who has defaulted on payment arrangements.

Financial clearance cannot be granted, and registration will not be permitted, if a student's account is delinquent.

Failure to pay tuition and other outstanding debts will result in the withholding of the academic transcript. The student diploma will not be released until all debts are satisfied in full. Students are prohibited from future registrations due to delinquent accounts.

In the event of payment default of non-payment of charges, the account may be submitted to an external collection agency. The student is responsible for the expenses of collection, including, without limitation, reasonable attorney's fees and collection costs. Unpaid accounts are also reported to national credit bureaus.

### Health Insurance

The annual Health Insurance fee of \$2,430 is mandatory for students who are taking 7 or more semester hours. Students may waive coverage by completing the online waiver at <http://www.aetnastudenthealth.com>, beginning July. Please visit the Student Accounts website at: <http://www.lmu.edu/StudentAccounts> for specific dates. Students entering for the first time or returning to the University during the Spring semester and taking 7 or more semester hours will be charged a prorated amount for the Spring semester unless a waiver form is submitted to the Office of Student Financial Services by the deadline listed on our website.

International (Visa) students must have health insurance coverage regardless of the number of semester hours in which they are enrolled.

Please refer to the Aetna Student Health brochure for additional major medical, dependent and spousal coverage.

(Accident Insurance is mandatory for all students registered for 7 or more semester hours and may not be waived.)

### Tuition Refund Insurance

LMU has arranged with A.W.G. Dewar, Inc. to provide a Tuition Refund Insurance Plan that will provide coverage for tuition costs if medical problems, including mental health, require withdrawal from school before a semester ends.

All undergraduate students will be automatically enrolled in the Tuition Refund Insurance Plan. The charge for the Plan is \$119 per semester and will be included in the first bill of each Fall and Spring semester. The Plan does not cover Summer sessions.

Students who do not wish to participate in the Tuition Refund Insurance Plan can opt out by waiving coverage for the entire academic year through the online Tuition Refund Insurance Plan waiver process beginning in July. Students need to log on to <http://tuitionprotection.com/lmu> and click on the tuition insurance waiver icon. The deadline for opting out of the Tuition Refund Insurance Plan is August 27, 2017, by 5:00 p.m. PST.

Graduate students who wish to purchase the plan may do so by visiting the Dewar's website at <http://www.collegerefund.com>.

### Payment Plan Options

#### Full Payment by Year

This payment plan is only available to undergraduate students and only those undergraduate students who would like to make one payment, in full, for the entire academic year including the Fall and Spring semesters. Payment in full must be received by the published payment deadlines.

#### Full Payment by Semester

This payment plan is a semester plan open to all students, undergraduate and graduate, who would like to make one payment, in full, for the entire semester minus any incoming financial aid. Students enrolling in this plan will need to pay in full prior to the start of each term by the published payment deadlines.

#### 5 Month—Automatic Checking Deduction

This payment plan is a semester plan open to all students, undergraduate and graduate, who would like to make five monthly payments via automatic deduction from a checking/savings account. Automatic deductions are required for this payment plan. This plan is subject to a setup fee of \$50.00 per semester, which will be charged once the student enrolls in the plan.

### 5 Month—Check Mailing

This payment plan is a semester plan option to all students, undergraduate and graduate, who would like make five monthly payments by mail, in-person at the Student Accounts Office, or online through the Student Account Center. This payment plan is subject to a setup fee of \$150.00 per semester, which will be charged once the student enrolls in the plan.

### TFA and PLACE

TFA and PLACE students have mandatory payment plan options in which they must enroll. Students should see their advisor or the Student Accounts Office for more information.

### Certificate of Eligibility for Veterans

All expenses incurred by a veteran that have not been properly authorized by the Veterans Administration must be paid by the veteran. Therefore, it is the responsibility of every veteran to see that papers are in proper order at the time of the first and each subsequent registration. Also, all veterans who are receiving benefits for educational expenses are required to contact the Office of the Registrar.

The University is required by the Veterans Administration to report failure on the part of the student to complete 75% of the semester hours attempted in any given term. Benefits to a veteran who fails to complete 75% of the semester hours originally enrolled in may be suspended. Failures, withdrawals, and NCs are not recognized as making satisfactory progress.

### Refunds/Cancellation

Refunds for tuition and/or housing are made only after a complete withdrawal or leave of absence from the University (dropping all courses) has been processed by the Office of the Registrar and, in the case of a resident student, also by the Housing Office. For resident students, if the official withdrawal dates from the Office of the Registrar and the Housing Office are different, the respective dates will be used for tuition or housing refunding purposes. See the accompanying table for the allowable refund percentage.

Meal plans are non-refundable. A student should complete the Withdrawal/Leave of Absence form in the Office of the Registrar and, if a resident student, the withdrawal form in the Housing Office.

The University strives to meet the expectations of its students and tries to act compassionately in a time of crisis that interrupts a student's semester studies so that she/he cannot or should not finish the semester. In an attempt to ease the cost of tuition, the refund policy is in place to allow for a sliding refund for those who withdraw from all courses in a given semester according to the following schedule. This policy applies to, but is not limited to, the following leave or withdrawal reasons: hospitalization, illness, moving out of the area, employment changes/relocation, and family-related emergencies.

No refund may be given for registered courses which a student did not attend and did not withdraw from within the full refund period. No refund or cancellation is granted to a student who withdraws from a portion of his/her program after the end of the 100% Drop/Add period. Consult the following refund schedule for the academic category corresponding to your enrollment and type of program.

Students, whether undergraduate, graduate, or non-degree, who have paid tuition by the semester hour are eligible for tuition refunds

per semester hour, based on the published sliding scale. Full refunds for all other students are contingent upon withdrawal from all classes or from the University. The published sliding scale still applies to this type of refund.

### Fall 2017

#### Withdrawal % All Students

100% through	Sep. 1, 2017
90% through	Sep. 8, 2017
70% through	Sep. 15, 2017
50% through	Sep. 22, 2017
25% through	Oct. 20, 2017
0% on or after	Oct. 21, 2017

### Spring 2018

#### Withdrawal % All Students

100% through	Jan. 12, 2018
90% through	Jan. 19, 2018
70% through	Jan. 26, 2018
50% through	Feb. 2, 2018
25% through	Mar. 9, 2018
0% on or after	Mar. 10, 2018

The University's Federal Aid refund policy complies with the Higher Education Amendments Act.

### Refund Payments

Refund credits are applied to the student's account. Refunds of credit balances will be made in accordance with Federal guidelines. Refunding of credit balances is subject to a holding period until verification that funds received have cleared the University's bank. Refund payments are issued in the name of the student unless written authorization from the student is received to the contrary.

### Financial Clearance and Issuance of Student Records

A student will not be issued a diploma, certificate of completion, or an official transcript until all accounts, current or otherwise, have been settled in accordance with University requirements. Students with delinquent accounts will also be prohibited from future registration until all balances are resolved to the University's satisfaction.

If a student defaults on payment of a Federal Perkins Student Loan, a Federal Family Educational Loan, or an Institutional Loan, or if a student fails to satisfy finance-related exit interview requirements, a financial hold will remain in effect until all University debts and related requirements are satisfied. Unpaid accounts are reported to the three major credit reporting agencies. Exit interviews are administered through the Student Loan Office and the Financial Aid Office.

# University Core Curriculum

## Philosophy and Goals of the Core Curriculum

The University Core reflects the values of its founding and partnering communities—the Society of Jesus (Jesuit), Religious of the Sacred Heart of Mary (Marymount), and the Sisters of St. Joseph of Orange (CSJ). Rooted in the traditional Jesuit emphasis on classics, philosophy, theology, the liberal arts, and faith that does justice, the Core also reflects the Marymount commitment to faith, culture, and the arts. Moreover, the CSJ work for unity and reconciliation pervades the Core's emphasis on integration. The Core encourages students to value learning, and to carry that love of learning into their future lives. Valuing learning has two key components: a distinctively Catholic, humanistic vision of intellectual inquiry as well as the cultivation of particular skills. Both are necessary for students to be thoughtful, critical, and engaged citizens of the world. The Core values and educates the whole person. The LMU University Core therefore emphasizes the formation of students as whole persons, integrated in thinking, feeling, and action. As such, the Core includes intellectual, creative/artistic, and moral development. The Core invites students to analyze their relationship with themselves, others, the world, and God. The Core serves faith by bringing students to a critical and appreciative understanding of religious traditions, and to see the search for God as intrinsic to the human condition. The Core recognizes LMU's special role in creating men and women who will be discerning and active members of diverse communities, local and global. The Core includes the study of ethical theories and moral development, in which students come to recognize the value of acting rightly and using knowledge mindfully in the promotion of justice.

## Core Learning Outcomes

### Through the LMU Core, students will know...

- Ideas concerning the origins and nature of existence—e.g., various accounts of human existence; the existence of God.
- The dominant arguments concerning what is just.
- The prevalent methodologies and traditions for approaching human knowledge.
- Theories and models of the physical world.
- The formative influences, dynamics, social impacts, and ethical consequences of scientific and technological development.
- The historical processes that have produced the modern world.
- The intertwined development of western and other world cultures, ideas, institutions, and religions.
- The diversity of human experiences, identities, and interpretations of social life within societies.
- The critical role that power, race, ethnicity, class, religion, gender, and sexuality play in determining social relations.
- The modes of creative expression used to explore and shape culture.

### Through the LMU Core, students will be able to...

- Engage fundamental questions of faith and justice analytically, critically, and creatively.
- Identify, reflect upon, integrate, and apply different arguments to form independent judgments.
- Collect, interpret, evaluate, and use evidence to make arguments and produce knowledge.

- Apply knowledge and tools from various disciplines in order to identify and address intellectual, ethical, and practical problems of relevance to the contemporary world.
- Communicate ideas and arguments through clear writing and speech.
- Use quantitative reasoning skills to make informed, analytical decisions.
- Identify information needs, locate and access information, and critically evaluate sources.
- Collaborate intellectually and creatively with diverse people.
- Engage in the creative process and think critically about that process, its products, and its cultural traditions.
- Use imagination and informed intuition to ask questions and solve problems.

### Through the LMU Core, students will value...

- Spirituality and intellectually informed service to a local and global community.
- The experiences, cultures, and traditions of diverse peoples of the world.
- The role of continuing intellectual and creative experience and growth in leading a full life.
- Just and ethical behavior in pursuit of a more just world.
- Contemplation of questions of ultimate reality.

## Developmental Pattern of the Core

The Core moves from Foundations, to Explorations, to Integrations, carefully educating mindful women and men for others.

**Foundations courses** introduce students to the intellectual life of LMU; guide them to confront important issues about values, faith, justice, race, gender, sexuality, and culture; and emphasize fundamental communication and reasoning skills. **Exploration courses** build on the skills and knowledge gained in the Foundations courses, refining them through the different disciplinary methods and perspectives of the humanities, arts, natural sciences, and social sciences. **Integrations courses** challenge students to take the skills and knowledge from the Foundations and Explorations courses, as well as their majors, and apply them to interdisciplinary consideration of thematic questions. In addition, **Flagged courses** in writing, oral skills, quantitative reasoning, information literacy, and engaged learning build on and reinforce the skills and critical thinking that students obtain in the Foundations courses.

## Summary of the Area Requirements of the University Core Curriculum

Students fulfill One Area Requirement per course. Courses in a student's major may also satisfy Core requirements, so the total number of courses required outside of a student's major will typically be fewer than 13 listed below. Flagged courses will typically be courses that also satisfy other Core or major requirements so they do not add to the total course requirements for most students.

### Foundations (Years 1-2)

#### Students fulfill One Area Requirement per course in each of these Areas:

First Year Seminar (Fall)  
Rhetorical Arts (Spring)  
Quantitative Reasoning  
Theological Inquiry

Philosophical Inquiry  
Studies in American Diversity

**Explorations (Years 2-3)**

**Students fulfill One Area Requirement per course in each of these Areas:**

Creative Experience  
Historical Analysis and Perspectives  
Nature of Science, Technology, and Mathematics  
Understanding Human Behavior

**Integrations (Years 3-4)**

**Students fulfill One Area Requirement per course in each of these Areas\*:**

Faith and Reason  
Ethics and Justice  
Interdisciplinary Connections

**Flagged Courses**

Writing 2 Flags

Oral Skills 1 Flag

Information Literacy 1 Flag

Quantitative Reasoning\*\*1 Flag\*\*

Engaged Learning 1 Flag

\* Students enrolled in a Bachelor of Science in Engineering or Engineering Physics program are required to take only two Integrations courses: Faith and Reason and Ethics and Justice. For these students, there are a total of 12 required Areas.

\*\* The Quantitative Reasoning Flag is met by the curriculum of the majors in the Frank R. Seaver College of Science and Engineering.

The University Core Curriculum provides a common foundation for every undergraduate student at LMU. The power to develop additional core requirements will reside with Major and Minor programs rather than Colleges and Schools.

## Graduate Division

The mission of the Graduate Division is to promote transformative graduate education at Loyola Marymount University, to celebrate the accomplishments of graduate students and the faculty who educate them, and to provide leadership in the establishment and communication of policies, standards, and processes related to graduate education and to the quality of life for graduate students.

Since its creation in 1950, the Graduate Division has worked closely with the University's colleges and schools to create innovative programs that meet the personal, academic, and professional needs of its students. As life-long learning becomes even more integral to individual success and social welfare, the Graduate Division remains committed to providing an array of forward-looking programs of great distinction and to creating an environment that enables students to realize their full potential.

The University's graduate programs are characterized by outstanding faculty, academic excellence, small class size, and attention to individual students. Though the graduate programs span a diverse array of academic disciplines and professions, they are uniform in their attention to education of the whole person, to

conscious exploration of ethical issues, and to developing leaders in service to society.

Across its various schools and colleges, the University offers curricula leading to the degrees of Doctorate in Education (Ed.D.), Education Specialist (Ed.S.), Master of Arts (M.A.), Master of Business Administration (M.B.A.), Master of Fine Arts (M.F.A.), Master of Science (M.S.), Master of Science in Accounting (M.S.A), and Master of Science in Engineering (M.S.E.), as well as to a variety of graduate certificates and credentials.

The Graduate Studies Office is located in University Hall, Suite 1840. Telephone: 310.338.2721 or 888.946.5681; fax: 310.338.6086.

*All communication concerning Graduate Studies should be addressed to:*

Graduate Division  
Loyola Marymount University  
1 LMU Drive, Suite 1840  
Los Angeles, CA 90045-2659

# Academic Degrees and Programs

## University Honors Program

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### University Honors Program

#### Bellarmine College of Liberal Arts

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#### African American Studies

- African American Studies, B.A.
- African American Studies Minor

#### Asian and Asian American Studies

- Asian and Pacific Studies, B.A.
- Asian and Pacific Studies Minor
- Asian Pacific American Studies Minor

#### Bioethics

- Bioethics, M.A.
- Bioethics Graduate Certificate

#### Catholic Studies

- Catholic Studies Minor

#### Chicana/o Studies

- Chicana/o Studies, B.A.
- Chicana/o Studies Minor

#### Classics and Archaeology

- Classics and Archaeology, B.A.
- Classics and Archaeology Minor

#### Economics

- Economics, B.A.
- Economics, B.S.
- Economics Minor

#### English

- English, M.A.
- English, B.A.
- English Minor
- Journalism Minor
- Screenwriting Minor for English Majors

#### Environmental Studies

- Environmental Studies Minor

#### Ethics

- Ethics Minor

#### European Studies

- European Studies, B.A.

#### Geography

#### History

- History, B.A.
- History Minor

#### Humanities

- Humanities, B.A.

#### Irish Studies

- Irish Studies Minor

#### Jewish Studies

- Jewish Studies Minor

#### Liberal Arts

#### Liberal Studies

- Liberal Studies, B.A.

#### Modern Greek Studies

- Modern Greek Studies Minor

## Modern Languages and Literatures

- French, B.A.
- Modern Languages, B.A.
- Spanish, B.A.
- Chinese Minor
- French Minor
- German Minor
- Italian Minor
- Spanish Minor

## Peace Studies

- Peace Studies Minor

## Philosophy

- Philosophy, M.A.
- Philosophy, B.A.
- Philosophy Minor

## Political Science

- International Relations, B.A.
- International Relations Minor
- Political Science, B.A.
- Political Science Minor

## Psychology

- Psychology, B.A.
- Psychology Minor

## Sociology

- Sociology, B.A.
- Sociology Minor

## Theological Studies

- Pastoral Theology, M.A.
- Theology, M.A.
- Theology, B.A.
- Theology Minor

## Urban Studies

- Urban Studies, B.A.
- Urban Studies Minor

## Women's and Gender Studies

- Women's and Gender Studies, B.A.
- Women's and Gender Studies Minor

## Yoga Studies

- Yoga Studies, M.A.

## College of Business Administration

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- Business Administration Minor

## Accounting

- Accounting, M.S.A.
- Accounting, B.S.A.
- Accounting Minor

## Finance, Computer Information Systems and Operations Management

- Applied Information Management Systems (AIMS), B.B.A.
- Applied Information Management Systems (AIMS), B.S.
- Finance, B.B.A.

## Management

- Entrepreneurship, B.B.A.
- Management, B.B.A.
- International Business Concentration

## Marketing and Business Law

- Marketing, B.B.A.
- Business Law Concentration

### **MBA Program**

- J.D./M.B.A. Dual Degree Program: Doctor of Jurisprudence and Master of Business Administration Degrees
- Executive MBA
- Business Administration MBA

### **College of Communication and Fine Arts**

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#### **Art and Art History**

- Art History, B.A.
- Studio Arts, B.A.
- Art History Minor
- Studio Arts Minor

#### **Communication Studies**

- Communication Studies, B.A.

#### **Interdisciplinary Applied Programs**

##### **Marital and Family Therapy**

- Marital and Family Therapy, M.A.

##### **Music**

- Music, B.A.
- Music Minor

##### **Theatre Arts and Dance**

- Dance, B.A.
- Theatre Arts, B.A.
- Dance Minor
- Theatre Arts Minor

### **Frank R. Seaver College of Science and Engineering**

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- General Engineering

#### **Biology**

- Biology, B.A.
- Biology, B.S.
- Biology Minor

#### **Chemistry and Biochemistry**

- Biochemistry, B.S.
- Chemistry, B.S.
- Biochemistry Minor
- Chemistry Minor

#### **Civil Engineering and Environmental Science**

- Civil Engineering, M.S.E.
- Environmental Science, M.S.
- Civil Engineering, B.S.E.
- Water Quality Management Certificate
- Water and Wastewater Treatment Certificate
- Groundwater Management Certificate
- Sustainability Certificate

#### **Electrical Engineering and Computer Science**

- Electrical Engineering, M.S.E.
- Computer Science, B.S.
- Electrical Engineering, B.S.E.
- Computer Science Minor
- Electrical Engineering Minor

#### **Environmental Science**

- Environmental Science, B.S.
- Environmental Science Minor

#### **Health and Human Sciences**

- Health and Human Sciences, B.S.

#### **Mathematics**

- Applied Mathematics, B.S.
- Mathematics, B.A.
- Mathematics, B.S.

- Mathematics for Teaching, M.A.T.
- Applied Mathematics Minor
- Pure Mathematics Minor
- Secondary Education Mathematics Minor

#### **Mechanical Engineering**

- Mechanical Engineering, M.S.E.
- Mechanical Engineering, B.S.E.

#### **Physics and Engineering Physics**

- Engineering Physics, B.S.
- Physics, B.S.
- Physics Minor

#### **Systems Engineering and Engineering Management**

- Healthcare Systems Engineering, M.S.
- Systems Engineering, M.S.
- Lean Healthcare Systems Certificate
- Systems Engineering Certificate
- Program Leadership Certificate
- M.B.A./M.S. Dual Degree: Systems Engineering Leadership Program

### **School of Education**

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#### **Educational Leadership**

- Educational Leadership for Social Justice, Ed.D.
- Catholic School Administration, M.A.
- Higher Education Administration, M.A.
- School Administration, M.A.
- Catholic School Administration Certificate
- Charter/Small School Leadership Certificate
- Charter School Leadership Certificate
- Online Charter School Leadership Certificate
- The CA Preliminary Tier I Administrative Services Credential

#### **Educational Support Services**

- Educational Psychology, M.A./School Psychology, Ed.S. and PPS
- Counseling, M.A.
- Guidance and Counseling, M.A.
- School Counseling, M.A. with Pupil Personnel Services Credential, P.P.S.

#### **Elementary and Secondary Education**

- Bilingual Education, M.A. with a Preliminary 2042 Multiple Subjects Credential and Bilingual Authorization
- Bilingual Education, M.A. with a Preliminary 2042 Secondary Credential and Bilingual Authorization
- Educational Studies, M.A.
- Reading Instruction, M.A.
- Special Education, M.A. with a Preliminary 2042 Education Specialist Credential.
- Catholic Inclusive Education, M.A. (Not admitting at this time)
- Elementary Education, M.A. with a Preliminary 2042 Multiple Subjects Credential
- Online Literacy Development for Urban Schools, M.A.
- Elementary Education Minor
- Secondary Education Minor
- Special Education Minor
- Bilingual Certificate Program
- California Teachers of English Learners Certificate
- Reading and Literacy Added Authorization
- Bilingual Authorization
- Professional 2042 Induction/Clear Credential
- Reading and Literacy Leadership Specialist Credential
- Secondary Education M.A. with a Preliminary 2042 Single Subject Credential
- Undergraduate Teacher Preparation-Combined Program Requirements: Education Specialist Credential: Mild/Moderate Disabilities with the 2042 Multiple Subject/Elementary Emphasis
- Undergraduate Teacher Preparation-Elementary Education

- Undergraduate Teacher Preparation-Secondary Education

#### **Specialized Programs in Urban Education**

- J.D./M.A. Dual Degree: Doctor of Jurisprudence and Master of Arts in Urban Education (with a Teaching Credential) Degrees
- Urban Education, M.A.
- CMAST Teacher Leader (TL) Certificate
- CMAST-Center for Math and Science Teaching
- Intern/Practitioner Program
- LMU/LA CAST: Los Angeles Catholic Archdiocesan School Teachers
- LMU Teach for America Partnership
- PLACE Corps-Partners in Los Angeles Catholic Education

#### **Center for Undergraduate Teacher Preparation**

- Mathematics Bachelor of Arts with Major in Mathematics Secondary Teacher Preparation Program

#### **School of Film and Television**

##### **Animation**

- Animation, B.A.
- Animation Minor

##### **Film and Television Arts and Enterprises**

##### **Film, Television, and Media Studies**

- Film, Television, and Media Studies Minor

#### **Film and Television Studies**

##### **Film and Television Production**

- Film and Television Production, M.F.A.
- Film and Television Production, B.A.

##### **Recording Arts**

- Recording Arts, B.A.

##### **Screenwriting**

- Writing and Producing for Television, M.F.A.
- Writing for the Screen, M.F.A.
- Screenwriting, B.A.
- Screenwriting Minor

##### **Aerospace Studies**

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- Aerospace Studies

##### **Center for Undergraduate Teaching Preparation**

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- Secondary Teacher Preparation Program for English
- Secondary Teacher Preparation Program in Social Science (History)
- Secondary Teacher Preparation Program in Social Science (Political Science)
- Secondary Teacher Preparation in Art
- Teacher Preparation Programs in Biology, Chemistry, and Mathematics

## Academic Degree Requirements and Policies

**Students are held individually responsible for information contained in these pages. Failure to read and understand these regulations will not excuse a student from their observance.**

All regulations and rules or procedures contained in this official University Bulletin apply to undergraduate and graduate programs. Questions in individual cases should be presented through written petition to the appropriate dean.

A student is held responsible for academic regulations in effect at the time of entrance, provided the student maintains continuous enrollment. Similarly, a student who changes programs or majors after being admitted to the University is held responsible for the academic regulations in effect at the time the program or major is changed. A student who interrupts academic enrollment is subject to the academic regulations in effect in the University Bulletin at the time enrollment is resumed.

For non-academic matters, all students are governed by the Loyola Marymount University Student Conduct Code found in the Community Standards booklet. The booklet can be found on MyLMU (<http://my.lmu.edu>).

### Academic Advising

Students are assigned a faculty academic advisor within their major or college. LMU offers an advising model based on a close student/faculty advisor relationship. This relationship offers assistance to students in achieving educational, career, and personal goals through the use of the full range of institutional resources.

In order to make the best of advising appointments, students are encouraged to become familiar with the degree requirements, coursework within the major, and other information about academic policies. LMU students must be pro-active in understanding the academic requirements, policies, and procedures which affect their studies and path to graduation. Students are further encouraged to come with well-developed questions for the advisor.

As part of the registration process, students meet with their advisors, who may conduct degree audits to assess progress toward completing degree requirements. Exceptions to University policy and changes to established degree coursework must be approved as exceptions by the Chairperson of the Department or Director of the Program and documented on a Petition for CAPP Adjustment (change to the student's degree audit). This form must then be signed by the student's Associate Dean's Office and submitted to the Office of the Registrar.

### Academic Calendar

The University offers two fifteen-week semesters plus a week of final examinations for each semester and two six-week summer sessions that include final examinations.

### Academic Program

An academic program is a combination of courses and related activities organized for the achievement of specific learning outcomes as defined by the University. This includes programming at the undergraduate and graduate levels and consists of degrees, majors, minors, concentrations, and certificates.

A degree program is an academic program of study leading to a Bachelor's, Master's, or Doctoral degree. All degree programs require a minimum number of semester credit hours in addition to the requirements of the University, College, or School, and the academic major Department. (See Degree Requirements.)

### Academic Major

An academic major indicates a particular curriculum which leads to a degree. Students must complete the requirements for a primary academic major, including the University Core Curriculum and college or school requirements, to be eligible for a degree. Requirements for academic majors can be found under the departmental listings in the chapters for each respective college or school. Some academic majors have concentrations which are a sub-set of a discipline, organized in clusters, of focused courses taken within a major.

Students normally declare a major at the time of application to the University. If a student is unsure about choosing a major, some colleges may allow for an undeclared status within that College. This option is at the discretion of the College or School. Under normal conditions, an undergraduate student has decided on a particular major prior to earning 60 semester hours of credit.

### Second Academic Major

Students may declare a second academic major in addition to their primary major by obtaining the approval of the department chair of the major and the Associate Dean in that college. Students in the College of Business Administration may not choose a second academic major within the college.

A second academic major may be earned only while the student is concurrently completing the requirements for the baccalaureate degree in the primary academic major. A student must successfully complete all requirements for the second academic major prior to, or in the same term as, the primary major. A second major may not be granted after a degree has been posted. If a student decides to drop a second academic major, the student must submit a Change of Program to the Office of the Registrar.

### Academic Minor

Undergraduate students may declare an academic minor from among the LMU departmental minors. Students who wish to declare an academic minor must obtain the approval of the department chair or program director of the minor and submit a Change of Program to the Office of the Registrar. Some minors may require an application process and are limited based on space available; some may also require the signature of the Associate Dean of the College or School.

To earn an academic minor, a student must complete all requirements of the minor as prescribed either before or at the time of the awarding of the degree in the primary major. Minors may not be earned after the awarding of the primary degree. If a student decides to drop a minor, he or she must submit a Change of Program with the relevant signatures to the Office of the Registrar.

In addition to the requirements of the department of the minor, a student must also meet the following for an academic minor:

1. At least half of the upper division semester hours of the minor program must be completed in residence at LMU.
2. A student who declares a minor is held responsible for the academic regulations specified in the Bulletin and in effect at the time the minor is declared. Each department offering a minor program lists specific semester hour requirements.
3. A student must have a minimum cumulative grade point average of C (2.0) for courses taken in the minor program.
4. Courses may not count as fulfilling both a major and minor program, unless both programs require the specific course.

### Non-Degree Status Undergraduate

- Undergraduate non-degree students wishing to take undergraduate courses at the University on a non-degree basis during the Fall or Spring semester must file an application with the Office of Undergraduate Admission in accordance with regularly stated deadlines. Proof of eligibility to study at the University will be required, including transcripts or other appropriate documents. Non-degree students must meet all course requirements for registration and will be allowed to study for a period of no more than three semesters or a total of 18 semester hours, whichever occurs first.
- Non-LMU students and incoming freshmen and transfer students who wish to take undergraduate courses at the University during one or both Summer terms must submit an Application for Summer Registration with the Office of the Registrar. Although these students have non-degree status for summer, incoming freshmen and transfer students may apply these courses towards LMU degree requirements. Non-degree students must meet all course requirements for registration; proof of eligibility, such as transcripts or other appropriate documents, may be required.
- Undergraduate non-degree students may register only in courses numbered 100-599 and courses numbered 1000-4999. An undergraduate may not register in the School of Education.
- Admission to the Undergraduate non-degree status does not guarantee admission to undergraduate degree programs or credential recommendation.
- Graduates must maintain a B average (3.0) in term, major, program, and cumulative GPA. The calculation is based upon courses taken in Fall, Spring, and Summer semesters.

### **Academic Disqualification**

Undergraduate and graduate students are subject to disqualification if, in two consecutive semesters on probation, their term, major or cumulative grade point average on all courses falls below the stated career requirement. The first semester in which an undergraduate or graduate student is placed on probation is the first of the consecutive semesters used to determine the student being subject to disqualification.

- Undergraduate disqualification is based upon two consecutive semesters (Fall or Spring) in which work of less than a grade of C (2.0) average is earned or in which the student fails to meet conditions imposed by the Dean or other academic entity. Summer sessions are not used to calculate if an undergraduate is subject to disqualification.
- Graduate disqualification is based upon two consecutive semesters (Fall, Spring, or Summer Sessions) in which work of less than grade of B (3.0) average is earned or in which the student fails to meet conditions imposed by the Dean or other academic entity. Summer sessions are used to calculate if a graduate student is subject to disqualification.
- Executive MBA Program: a student who receives a failing grade in any of the prescribed courses will be subject to immediate dismissal.

### **Graduate**

- Graduate non-degree students wishing to take graduate courses at the University must file an application with the Office of Graduate Admission in accordance with regularly stated deadlines. Proof of eligibility to study at the University will be required, including transcripts or other appropriate documents.
- Non-degree graduate students may take more than two courses while in the non-degree status; however, only two courses taken in the non-degree status may apply toward a degree or credential. A student should consult the appropriate Graduate Program Director about the applicability of non-degree courses to a degree program. Non-degree students must meet all course requirements for registration; proof of eligibility, such as transcripts or other appropriate documents, may be required. Graduate non-degree students may register for 500-, 600-, 5000-, 6000-, and 7000-numbered courses. Non-degree students must meet all course requirements for registration.
- Admission to the Graduate non-degree status does not guarantee admission to degree candidacy or credential recommendation.

Disqualification terminates a student's relationship with the University for a minimum of one year. A disqualified student may not register in any division or session of the University and is denied all privileges of the University and of all organizations or activities in any way connected with it.

### **Appeal of Disqualification**

- Undergraduate students who wish to appeal a disqualification must submit a written request to the Dean of the College. The decision of the Dean is final.
- Graduate students who wish to appeal a disqualification must submit a written request to the Chair, Program Director, or Dean of the student's college or school. If the appeal process cannot be resolved, an impartial three-person faculty panel will be assigned by the Chair of the Graduate Council to review the request. The panel will individually interview the faculty person and the student. After the interviews, review, and discussion, the panel will submit a formal decision to the Chair of the Graduate Council, whose decision will be final.
- Graduate students in the School of Education should appeal directly to the Program Coordinator. If the appeal cannot be resolved, the issue will then be submitted to the Associate Dean, and if necessary, the Dean.

## **Academic Standing**

### **Good Standing**

A student must maintain in each semester the stated minimum cumulative grade point average for each of the requirements in the degree program and may not be on academic probation or subject to disqualification. The calculation of standing is based on all courses taken at LMU:

- Undergraduate students must maintain a C average (2.0) in term, major, program, and cumulative GPA. The calculation is based upon courses taken in Fall and Spring semesters only.

### **Readmission after Disqualification**

Disqualified undergraduate and graduate students are not eligible for readmission to the University until one calendar year has elapsed since the disqualification. Undergraduate and graduate students who wish to return to LMU after disqualification must make an appointment with their Dean. The Dean will determine if a student is eligible to return and either grant or deny permission to seek readmission to the University. If allowed to attend LMU after a disqualification, the student must submit an application for admission through the appropriate Admission Office.

1. A disqualified student who is readmitted will be on strict probation, which requires that the student must satisfactorily complete all requirements set by the Dean in the initial semester after readmission.
2. A student who has been disqualified a second time may not apply for readmission.

### **Academic Probation**

Undergraduate and graduate students are subject to academic probation if their term, major, program, or cumulative grade point average on all courses taken at LMU is lower than the following:

- Undergraduates: C average (2.0) in term, major, program, or cumulative GPA
- Graduates: B average (3.0) in term, major, program, or cumulative GPA

Academic probation constitutes a serious warning to students that their academic performance is unsatisfactory and continued failure to improve this record may result in being disqualified from the University. Additionally, a student who does not make satisfactory progress in the course of study is subject to probation. Academic probation does not prohibit the student from returning as an enrolled student for the subsequent semester, nor does it necessarily prohibit the student from participating in University-sanctioned events. However, the Dean or Director may impose restrictions on students on probation regarding the program of study and their participation in extracurricular activities at LMU.

### **Attendance**

Class attendance expectations and consequences for absences from class are left to the discretion of individual instructors and shall be announced by the faculty member at the first class meeting or listed on the class syllabus. Students are accountable for all course assignments, whether or not the assignments were announced during an absence.

In order for a student to earn academic credit for a course, he/she must be enrolled officially in the course. Students who are not registered in a class are not allowed to attend a course, submit coursework, or take an exam including the final exam.

### **Change of Academic Major/Concentration/Minor Undergraduate**

Entering freshmen and transfer students are admitted to the University in their academic major of choice at application. A change of academic major or emphasis/concentration in the major within the same school or college may be limited by the availability of space within the requested major and requires the approval of the department chair and the Associate Dean of the College or School.

A student must also be signed out of the current major by obtaining the approval of the department chair of the current major as well as the Associate Dean of the College or School. If a student decides to change an academic minor, he/she must submit a Change of Program to the Office of the Registrar.

Changes in majors, which involve the changing of a School or College, may be limited by the availability of space within the school and/or the specific academic major. Students wishing to change colleges or schools must meet the respective admittance criteria and complete the application process specified by that College or School. The decision of the Associate Dean of the College or School is considered final. Upon acceptance into the new major, emphasis, or minor, the student must submit a completed Change of Program to the Office of the Registrar.

### **Graduate**

Graduate students are admitted to a specific program consisting of a degree and major within a College or School. Graduate students

who wish to change a degree program must apply for the new program through Graduate Admissions. A student who wishes to change from one emphasis/concentration to another within a program before completing a degree must request approval from the Program Director. Students must submit a completed Change of Program to the Office of the Registrar.

### **Change of Address**

Students may change their permanent, mailing, and billing addresses through PROWL. Students must update their emergency contact information through PROWL. International students are required to notify the Office of International Students and Scholars if wishing to change their permanent address. The University assumes no responsibility for materials sent through the mail or email not received.

### **Commencement**

#### **Ceremonies**

The University grants degrees three times per year: at the end of the Summer (August 31), Fall (December 31), and Spring (May) terms. LMU celebrates its Commencement Ceremonies only at the end of the Spring semester.

LMU honors at the Commencement Ceremonies its newest graduates with a celebration of achievement for family and friends. Participation is granted to those students who will be receiving their degrees in one of five terms: the previous Summer and Fall as well as Spring, Summer, and Fall of the Commencement year. Participation in the honorary ceremony does not mean that a degree has been awarded.

### **Classification of Undergraduate Students**

The classification of undergraduate students is determined by the number of semester hours completed at LMU with passing grades and, if applicable, accepted transfer work.

Lower-division students are considered:

- Freshmen if they have satisfied entrance requirements and completed fewer than 30 semester hours
- Sophomores when they have completed at least 30 but fewer than 59 semester hours

Upper-division students are considered:

- Juniors when they have completed at least 60 but fewer than 89 semester hours
- Seniors when they have completed at least 90 semester hours

### **Concurrent Enrollment**

Concurrent term enrollment by LMU degree-seeking undergraduate students at another institution for the purpose of transferring credits is not permitted.

### **Course Information**

#### **Classification of Courses**

This section contains a list of symbols for all courses offered at the University.

#### **Undergraduate Courses**

- 000-099: Courses offered in this number range do not carry degree-granting credit.
- 100-299: Lower division undergraduate courses with degree-granting credit
- 300-499: Upper division undergraduate courses with degree-granting credit

- 500-599: Upper division undergraduate courses in which graduate students may enroll and receive graduate credit. Undergraduate students may not enroll in 500-level courses offered by the School of Education.
- 1000-2999: Lower division undergraduate courses with degree-granting credit
- 3000-4999: Upper division undergraduate courses with degree-granting credit

### Graduate Courses

Only students accepted into the Graduate Division may register for these courses.

- 600-699: Graduate courses with degree-granting credit
- 5000-6999: Graduate courses with degree-granting credit
- 7000-7999: School of Education Doctor of Education courses with degree-granting credit
- 8000: School of Education required course for credential program

### Extension Courses

- 800-999: LMU Extension courses. Courses offered in this number range do not carry LMU degree-granting credit.

### Course Audit

After the registration period and space permitting, enrolled students may be permitted to register as auditors only for exceptional reasons and with the authorization of the Dean of the college or school of the course. Not all courses are open to auditors. Auditors are not held responsible for the work expected of regular students and receive no grade or credit for the course. Regular attendance at class is expected.

A student who has previously enrolled as an auditor may not take the course for credit in the subsequent term except by special permission of the Dean of the college or school in which the course is offered. Individuals may not be formally admitted to the University to audit courses only. Enrolled LMU students may not enroll as auditors in a regularly scheduled LMU course through LMU Extension.

### Course Challenge

A student may request credit by examination for selected courses provided that the student meets all eligibility requirements of the course. It is the responsibility of the student to arrange for a credit by examination, including a faculty member willing to administer the challenge, as then approved by the course Chairperson and student's Dean. A course may be challenged only once.

### Undergraduate

- To challenge an undergraduate course by examination, a student must be regularly enrolled and a full-time student. Students may not challenge a course that is at a level more elementary than one in which they are currently enrolled or for which they have already received credit. Students may not challenge a course for which they have previously registered until a period of one year has elapsed from the time of their original registration in the course. A challenge examination once failed may not be repeated. 1000- and 2000-level courses in the Department of Modern Languages and Literatures may not be challenged.

### Graduate

- If the student passes the challenge exam, that is equivalent to waiving the course requirement but not the total unit requirement for the degree. MBA students may

challenge MBA core courses only during the first semester of enrollment.

### Course Load

In a Fall or Spring semester, the normal load for full-time, degree-seeking undergraduate students in good standing from the previous semester is 15-18 semester hours. For summer, undergraduate students in good standing may register for up to eight semester hours per session; six semester hours is considered full-time for summer.

### Course Terminology

- Core courses are identified as fulfilling the University Core requirements.
- Major courses are identified as fulfilling the academic major requirements.
- Minor courses are identified as fulfilling the academic minor requirements.
- Elective courses are identified as not fulfilling core, major, or minor requirements, but do fulfill overall semester hours requirements.

### Cross-Listed Courses

A cross-listed course is one that carries credit in more than one department or program. Students may not enroll in more than one section of a cross-listed course and may receive credit in one department only.

### Special Studies/Independent Studies/Tutorial Courses

#### Special Studies

Courses whose numbers have as the last two digits "98" are Special Studies. These courses have a special syllabus and description not listed in the Bulletin. They can be held in a lecture, discussion, or seminar format at a specified or arranged time and place for a group of students. Each department sponsoring Special Studies courses maintains these course descriptions.

#### Independent Studies

Courses whose numbers have as the last two digits "99" are Independent Studies. This is an individualized study arranged by a student with a full-time faculty member and approved by the Chairperson of the Department and the Dean. An Independent Studies course is considered part of the student's semester program. Registration for such courses takes place only during the regular registration periods.

These courses are for the educational enrichment of the student particularly qualified for the kind of experiences that are beyond the scope of a regular course. Under the supervision of a faculty member, the work will be of research or similarly creative nature and will normally culminate in a project or examination. Freshmen, first-semester transfer students, and part-time undergraduates are not eligible.

Most graduate programs will allow graduate students to take no more than two classes as independent study. Consult the individual Program Director for future information and limitations.

#### Tutorials

A course tutorial is an option to register for an LMU course which is not otherwise offered in the term. Students may individually arrange with a faculty member to take the course as a tutorial. The tutorial must be based on an existing LMU course and all arrangements for the tutorial are the responsibility of the student. A tutorial course is considered part of a student's semester program. Registration for it takes place during the regular registration periods. Only full-time students are eligible, and approval will be given for only one tutorial course per semester. Freshmen and first-semester transfer students

are not eligible. Approval of the Department Chair and Dean's Office is required.

## **Degree Requirements**

### **Baccalaureate Degree Requirements**

Candidates for an undergraduate degree at Loyola Marymount University must complete all requirements for a bachelor's degree as set forth by the University, their college or school, and academic departments or programs. Failure to understand those requirements does not relieve a student of his or her responsibility.

All candidates for a baccalaureate degree at LMU must fulfill the following requirements:

1. For the primary academic major complete a minimum of 120 semester hours, including core curriculum, program requirements, and 45 semester hours of upper-division course work. Certain programs require more than 120 semester hours and are under the appropriate department listings.
2. All courses taken at LMU must have a cumulative grade point average of C (2.0). All courses taken in the major, minor, or area of concentration must have a cumulative grade point average of C (2.0). To satisfy a Core requirement (other than a flag requirement), a course must be completed with a grade of C- or better. To satisfy a flag requirement, a course must be completed with a grade of D or better.
3. Fulfill the requirements for any declared academic secondary major or primary or secondary minor, including those set forth by the department and/or College or School.
4. At least 30 of the last 36 semester hours for the bachelor's degree must be taken in residence at LMU. At least two-thirds of the upper division semester hours of the major must be taken in residence at LMU, unless, for programmatic purposes, the Dean and the Chair of the major department deem an exception appropriate.
5. Fulfill the academic regulations printed in the University Bulletin in effect at the time of entrance or for those in effect in the senior year provided the student maintains continuous enrollment for the length of the degree program. A student who changes his or her program of study subsequent to admission to the University may be held responsible for the academic regulations in effect at the time of the declaration or change. A student who interrupts LMU enrollment for more than two years is subject to the academic regulations in effect in the University Bulletin at the time of readmission.
6. Fulfill the requirements specified in Baccalaureate Graduation Requirements and Degree Conferral.

### **Baccalaureate Graduation Requirements and Degree Conferral**

The date of degree posted on a student's diploma is the one by which all graduation requirements are completed or documents are submitted—specifically the respective Commencement Weekend dates, August 31, or December 31. These requirements include:

1. Submitting an Application for Degree form to the Office of the Registrar by the stated deadline in the term in which all academic and graduation requirements will have been met. If a student is canceled for graduation in a given term, the student must submit a new Application for Degree form for a subsequent graduation term.
2. The completion of all incomplete work required for the degree prior to the degree date of that term. A grade of Incomplete in a required course at the time of degree posting renders the student ineligible for that degree date.

3. Students who have taken coursework at other institutions must submit an official transcript showing the graded course(s) and transfer course approval form (if not previously submitted) to the Office of the Registrar no later than 30 working days after the end of the LMU semester. The transfer course(s) must be completed in a term which ends prior to the degree date.

### **Second Baccalaureate Degree Requirements**

1. The pursuit of a second baccalaureate degree is not allowed unless a student already possesses an earned bachelor's degree prior to commencing the second bachelor's program.
2. An LMU student may not be enrolled in a primary degree program and concurrently begin a second bachelor's program.
3. The major program of the second bachelor's degree must be different from the first major.

All candidates for a second baccalaureate degree at LMU must fulfill the following requirements:

- Already possess an awarded bachelor's degree from an accredited institution.
- Complete a minimum of 30 semester hours at LMU beyond those required for the first degree; these must include at least 24 semester hours of upper division work and at least 20 semester hours of upper division work in the major field of study.
- Fulfill the core requirements of the College or School in which the major is offered.
- Satisfy all the requirements for the major.
- Fulfill the requirements specified in the Baccalaureate Graduation Requirements and Degree Conferral.

### **Graduate Degree Requirements**

Candidates for a graduate degree at Loyola Marymount University must complete all requirements for a master's or doctoral degree as set forth by the University, their college or school, and academic departments or programs. Failure to understand these requirements does not relieve a student of his or her responsibility. All candidates for a graduate degree at LMU must fulfill the following requirements:

1. For a master's degree, complete a minimum of 30 graduate semester hours (500, 600, 5000, and 6000 level) beyond an earned baccalaureate degree. A minimum B (3.0) cumulative grade point average is necessary to qualify for completion of a program. See individual program descriptions for specific and additional graduation requirements.
2. For a doctoral degree in Education, complete a minimum of 52 graduate semester hours (7000-level courses) beyond an earned master's degree. A minimum B (3.0) cumulative grade point average is necessary to qualify for completion of a program. See individual program descriptions for specific and additional graduation requirements.
3. The normal time allowed for the completion of graduate degree programs is five years. A student who has not completed the degree within five years must request an extension of time. If the extension is granted by the Dean of the student's college or school, the student may be required to undertake additional coursework. Some departments have a shorter limit for the completion of the program; see individual program descriptions for further information.
4. Fulfill the requirements specified in Graduate Graduation Requirements and Degree Conferral.

## Graduate Graduation Requirements and Degree Conferral

The date of degree posted on a student's diploma is the one by which all graduation requirements are completed or documents are submitted, specifically the respective Commencement Weekend dates, August 31, or December 31. These requirements include:

- Submitting a completed Application for Degree to the Office of the Registrar by the stated deadline in the term in which all graduation requirements will have been met. If a student is canceled for graduation in a given term, the student must submit a new Application for Degree for the appropriate graduation term.
- The completion of all incomplete work required for the degree prior to the degree date of that term. A grade of Incomplete in a required course at the time of graduation renders the student ineligible for that degree date.
- Students who have taken coursework at other institutions must submit an official transcript showing the graded course(s) and transfer course approval form (if not previously submitted) to the Office of the Registrar no later than 30 working days after the end of the LMU semester. The transfer course(s) must be completed in a term which ends prior to the degree date.

## Diplomas

Diplomas are granted and mailed to students who have completed all academic degree requirements and who have no outstanding financial obligations to the University.

## Double Credit Undergraduate

- A student may not count a course as fulfilling both a major and minor program, unless both programs require the specific course. A student may not count the same course to meet the requirements for both an undergraduate and graduate degree.

## Graduate

- A student who wishes to enroll for a second Master's degree in the School of Education may apply up to three core courses towards a second Master's degree. For other graduate programs, no more than two courses may be counted toward a second degree upon prior approval from the respective Deans' offices.

## Enrollment

Students must be officially registered via PROWL for all classes in accordance with the regulations, procedures, and dates published in the Schedule of Classes and the University Bulletin. Registration is subject to full payment of tuition, room and board charges, and other fees associated with enrollment. The University reserves the right to deny registration to any student for reasonable cause.

## Final Examinations

Students are required to take all scheduled examinations. Final examinations are to be held at the time published by the Office of the Registrar. No student is allowed to take a final examination before the scheduled time.

## Full-Time Standing

An undergraduate student enrolled for 12 or more semester hours in a Fall or Spring semester or 6 or more semester hours in a Summer session is considered a full-time student. Students taking fewer than the stated amount above are considered part-time and may not qualify for all University activities and benefits, such as eligibility for

financial aid, on-campus housing, and intercollegiate athletic competition.

A graduate student enrolled for 6 or more semester hours in a Fall, Spring, or a single Summer session is considered a full-time student. Graduate students taking fewer than 6 semester hours are considered part-time. Doctoral students completing the dissertation are full-time with at least 2 semester hours per term.

Please refer to the Financial Aid full-time/part-time standing for an explanation of how that department defines full-time standing and the impact on financial aid awards.

## Grades and Grading

### Credit/No Credit Grading Undergraduate

Students may take courses which are offered on a Credit/No Credit basis for up to 20% of their total semester hours requirement for graduation. For undergraduate courses, a grade of CR may be given for performance equal to or greater than a grade of "C." A CR/NC course will not affect the grade point average. Courses offered on a CR/NC basis will count toward fulfilling requirements of the academic major, academic minor, or University Core. Courses offered on a graded basis which a student elects to take on a CR/NC basis will NOT fulfill the above requirements.

If a course is offered on a CR/NC basis only and the student wishes to receive a standard grade, the student must petition the instructor for that standard grade before the end of the third week of the semester. After submitting an approved form to the Office of the Registrar requesting CR/NC grading for a course, the student may not rescind the request.

### Graduate

Graduates may take courses on a CR/NC basis only with the permission of the Program Director and/or Dean of the College or School.

## Grade Appeals

It is understood that, except in rare instances, only the Instructor may change the final grade using the Correction of Grade form through the Office of the Registrar and then only with the approval of Department Chairperson's, Program Director's, or equivalent (hereafter called Department Chairperson), and the approval of the Dean of the Instructor's college or school. The Dean may, however, change the grade if all of the following processes of appeal have been followed. The Dean must notify the Instructor, in writing, of the change in final grade.

1. No later than three weeks into the semester following the issuance of a disputed grade, the student must meet face-to-face with the Instructor to review the reasons for the grade.
2. No later than the following week, if the Instructor is not available for discussion or if discussion fails to resolve the problem, the student may ask the appropriate Department Chairperson (see above) to meet with both the Instructor and the student within five class days. If the Chairperson and the Instructor are in agreement about the validity of the grade, the student may appeal to the appropriate Dean. If the Chairperson cannot agree with the Instructor, the Chairperson will refer the student to file a written appeal to the Dean.
3. The student who appeals beyond the department level must file a written appeal to the appropriate Dean within five class days of the meeting with the Instructor and Chairperson, and no later than the end of the sixth week of classes. The Dean, upon receipt of the written appeal, will work with all parties in an attempt to resolve the matter

by mutual agreement. If agreement cannot be reached, the Dean may appoint a committee of three impartial persons to investigate the matter and make a recommendation to the Dean. The Dean will normally follow the recommendation of the committee; however, the decision of the Dean is final.

### Grading System

The work of all students at LMU is reported in terms of grades. Instructors are required to assign a final grade for each student registered in a course. The Office of the Registrar via PROWL issues a grade report to the student at the end of each term.

#### Undergraduate

The following grades are used to report the quality of undergraduate student work at LMU:

- A** Superior
- B** Good
- C** Satisfactory
- D** Poor
- F** Failure
- CR** Credit—Equivalent to grade of C or higher
- NC** No Credit—Equivalent to grade of C- or lower
- NR** Not reported by instructor
- AU** Audit
- I** Work incomplete
- W** Official withdrawal from course

A grade of A may be modified by a minus (-) suffix, and grades B and C may be modified by a plus (+) or minus (-) suffix. Grades A, B, C, and CR denote satisfactory progress toward the degree, but a C- or D grade must be offset by higher grades in the same term for students to remain in good academic standing. An F or NC grade yields no semester hour or course credit. Note that a "C-" grade is not a passing grade in courses requiring a minimum grade of "C." A student must maintain a 2.0 GPA in order to remain in good academic standing.

#### Graduate

The following grades are used to report the quality of graduate student work at LMU:

- A** Superior
- B** Satisfactorily demonstrated potential for professional achievement in field of study
- C** Passed the course but did not do work indicative of potential for professional achievement in field of study
- F** Failure
- CR** Credit—Equivalent to grade of B or higher
- NC** No Credit—Equivalent to grade of B- or lower
- NR** Not reported by instructor

### AUAudit

#### I Work incomplete

Work in progress (A grade assigned to the first semester of a **IP** scheduled two-semester course. The final grade is posted to the second semester of the course.)

#### W Official withdrawal from course

A grade of A may be modified by a minus (-) suffix, and grades B and C may be modified by a plus (+) or minus (-) suffix. Grades A, B, and CR denote satisfactory progress toward the degree, but a B-grade must be offset by higher grades in the same term for students to remain in good academic standing. Courses in which a grade of B- through C- is received may be applied toward graduate degrees unless otherwise prohibited by the program requirements. A student must maintain a 3.0 GPA in order to remain in good academic standing. Graduates may only take courses on a CR/NC basis with approval from the Dean.

### Grade Point Average

Grade points are a measure of the quality of the academic work completed, just as semester hours are a measure of the quantity of this work. The University uses a letter grade to indicate the level of individual student achievement. Each letter grade has a point value assigned for the grade achieved. The point value assigned to each letter grade is as follows:

A	4.0 grade points	C+	2.3 grade points
A-	3.7 grade points	C	2.0 grade points
B+	3.3 grade points	C-	1.7 grade points
B	3.0 grade points	D	1.0 grade points
B-	2.7 grade points	F	0.0 grade points

The LMU grade point average is determined by dividing the total number of LMU grade points by the number of LMU semester hours completed with a letter grade.

The grades of AU, CR, NC, I, IP, and W have no point value and are not used in calculating the grade point average.

### Change of Grades

Grades, once submitted to the Office of the Registrar, will be changed only in case of error. An instructor desiring a change of grade must present a written explanation to the Chairperson and the Dean with a Correction of Grade form from the Office of the Registrar. No grade changes will be made after the fourth week of instruction of the next full term.

A student's permanent record reflects the coursework upon which the University awarded the degree or recommended a credential. Therefore, no grade or other changes are permitted either after awarding the degree or recommending the credential.

### Incomplete Course Work

An incomplete grade may be assigned by the professor only if a student has completed at least 80% of the coursework.

The student must speak to the professor prior to final exam week to determine if the completed course work meets the minimum requirement for a grade of Incomplete and to discuss what further work is required to complete the course. The professor may or may not agree to the assignment of a grade of Incomplete. If the professor agrees to assign the grade of Incomplete, s/he will enter a grade of "I" on the Final Grade Roster.

The student's deadline for submitting all outstanding coursework for undergraduate level courses is three weeks after the first scheduled class day of the next full semester. Graduate students who received a grade of Incomplete in graduate level courses have one academic year to complete and submit all outstanding coursework, unless an earlier deadline is set by the professor.

An incomplete grade not removed by the deadline will default to an "F" or to the default grade as submitted by the instructor on the Final Grade Roster.

If a student requires an extension to the deadline, the student must petition to obtain an extension to the deadline for removal of the grade of Incomplete. The petition, approved by the instructor, must be submitted to the Office of the Registrar.

Graduate students carrying any grades of Incomplete are not permitted to take a comprehensive examination until all "I" grades have been removed.

Graduate students enrolled in undergraduate level courses and who have received a grade of Incomplete in the undergraduate level course must submit outstanding coursework no later than three weeks after the first scheduled class day of the next full semester.

### Mid-Term Deficiencies

Mid-term deficiencies are assigned to students whose work thus far in the semester has been evaluated by the instructor as unsatisfactory. Notifications are sent to undergraduate students who are performing at the level of C- (1.7) or less; to graduates who are performing at the level of B- (2.7) or less. These notices, advisory in nature and sent to the student's LMU email and posted to PROWL prior to the last day to withdraw in a term, are not used in any calculation and do not appear on either the CAPP report or the University transcript. Students who receive a mid-term deficiency are advised to speak to the instructor and/or their advisor.

### Graduation Rate

The completion or graduation rate by August 2016 for undergraduate students who entered Loyola Marymount University in Fall 2010 on a full-time basis was 83.2%.

### Leave of Absence/Withdrawal

#### Leave of Absence (LOA)

A Leave of Absence (LOA) may be granted to a student who applies for a temporary break from studies for up to two years or four semesters. A student on a processed LOA retains their admitted status; however, they do not have the rights and privileges of registered students as they are currently not attending classes. A student on a LOA may complete course work for which the grade of Incomplete was submitted in the prior term and must comply with the policies, including all deadlines, concerning a grade of Incomplete.

#### Withdrawal (WD)

A Withdrawal (WD) from the University is the permanent termination of the academic program, course of study, and the rights and privileges offered to currently registered students. A student who wishes to return to the University must reapply to the appropriate Admissions Office. A student who withdraws is responsible for outstanding financial obligations with the University. A student who used deferred payment plans to secure student loans during their attendance at the University must clear their financial obligations with the Financial Aid and Student Financial Services Offices. A student who has unpaid bills or other unsettled financial obligations with the University and is not current with payments will not receive academic transcripts.

### Choosing to Withdraw or Take a Leave of Absence

A student has four options when considering a LOA or WD from the University:

1. **For a LOA or WD in a semester which has not yet begun or before the end of the first week of the term**, the student must drop all courses via PROWL. Under these circumstances, no courses will appear on the student's transcript. The student must then fill out the LOA/Withdrawal form available on the Office of the Registrar website.
2. **For a LOA or WD in a semester for which final grades have been posted and for a student who has registered for a subsequent semester**, see #1 above. For a student who has had no subsequent registration(s), the student must complete the LOA/Withdrawal form indicating the LOA or WD is effective at the end of the term that has just finished. The LOA/Withdrawal form is available on the Office of the Registrar website.
3. **For a LOA or WD in a semester which has already begun but it is not past the last day to withdraw as published in the Academic Calendar**, the student must withdraw from all courses via PROWL prior to the deadline. Under these circumstances, each course will remain on the student's transcript and receive a grade of W. In addition, the student must fill out the LOA/Withdrawal form available on the Office of the Registrar website.
4. **For a LOA or WD after the last day to withdraw from all courses within a semester as published in the Academic Calendar**, due to an illness or emergency, a student may petition for a LOA or WD through the Dean of Student's Office. Prior to petitioning for a LOA or WD, the student must:
  1. Consult with their Dean's Office, Financial Aid, Student Financial Services, and Student Housing (for residential students).
  2. An international student must consult with the Office of International Students and Scholars to ensure that visa requirements will be satisfied.
  3. In regards to a petition due to an illness, appropriate documentation is required to support the student's petition to take a LOA or WD. The medical and or mental health documentation must be current and provide information as to the health-related concern that prevents the student from completing the semester. Documentation must be from a licensed professional, such as a medical doctor, physician's assistant, nurse practitioner, psychologist, psychiatrist, or social worker. All documentation should be sent to the Dean of Student's Office and include the following information:
    4. For an emergency petition, the student must make an appointment to meet with the Dean of Students (or designee). A petition for an emergency LOA could include, but is not limited to, instances such as family illness or death, natural disaster, and military deployment. Leave of Absences for emergency purposes, other than military deployment, are granted at the discretion of the Dean of Students.
    5. To process this information in a timely manner, the student should submit a Release of Information (ROI) to the Dean of Students (or designee) allowing the Dean of Students (or designee) and the Student Health Services and/or Student Psychological Services, hereafter referred to as the

- Appropriate Health Service, to review the documentation.
6. The Dean of Students (or designee) may confer with the directors of the Student Health Service and/or Student Psychological Service to request a diagnostic explanation(s) and or to confirm the appropriateness of the medical or mental health information.
  7. The Dean of Student's Office is responsible for granting and communicating in writing to the student regarding the petition for LOA or WD after the last day in the semester, as published in the Academic Calendar, and developing individualized recommendations for the student to guide them while on leave and to better prepare them to return to university life. Upon receiving a recommendation for LOA or WD, the student must complete and submit the LOA/WD form available on the Office of the Registrar website.
  8. If the petition is approved for a LOA after the last day in the semester, ALL courses will remain on the student's transcript and receive a grade of W.
  9. If the petition is not approved, the student may request an appeal within five business days of the written decision to the Dean of Students. The Dean of Students may request additional information from the student. The decision of the Dean of Students is final.
  10. If the petition is not approved and the student does not appeal or complete all coursework, the grade earned in the class will be recorded on the student's transcript.
  11. A student granted a LOA or WD after the last day in the semester to withdraw, as published in the Academic Calendar, should check with their Dean's Office, Financial Aid, Student Financial Services, and Student Housing regarding financial obligations.
  12. A Dean of Student's hold will be placed on the student's record once the petition is granted.
  13. The extension of University-sponsored student health insurance may be available during a leave of absence. Consult the student health insurance webpage for more information.
6. A student with disabilities may be eligible for reasonable accommodations and/or special services in accordance with the Rehabilitation Act of 1973 and the Americans with Disability Amendments Act (ADAA) of 2008. The student is responsible for communicating his or her requests for academic accommodations to the Office of Disability Support Services.
  7. A student returning from an approved LOA after the last day in the semester to withdraw from classes must also submit a return to academic studies letter to the Dean of Students and his or her academic Dean's office. This letter should outline how the student's LOA was spent and must include a personal assessment for their readiness to return. The student will then meet with a representative from the Dean of Student's Office to discuss and offer recommendations for further support. Recommendations for support will be made in writing to the student by the Dean of Student's Office after the meeting with the student. This meeting must occur by January 1 for consideration for Spring semester return, May 1 for Summer session return, and August 1 for Fall semester return.

## LMU Academic Honesty Policy and Procedures

### I. Statement of Policy

#### A. The LMU Academic Honesty Policy

Loyola Marymount University is a community dedicated to academic excellence. Academic honesty in scholarship and creative work stands at the center of LMU's academic life, and is essential for true learning and creation of knowledge to take place. As a university in the Jesuit and Marymount traditions, this community expects its members to act in accordance with the highest standards of honesty and ethics at all times. Violations of academic honesty undermine the fundamental educational mission of the University and cannot be tolerated. Students are responsible for understanding the standards of academic honesty and determining how they apply to their academic work and behavior. Students are responsible for contacting their instructor(s) before assignments are due to proactively resolve any questions they may have.

#### B. Definitions of Academic Honesty and Dishonesty

*Academic honesty* requires that all members of the LMU community act with integrity, respect their own intellectual and creative work as well as that of others, acknowledge sources consistently and completely, act honestly during exams and on assignments, and report results accurately.

*Academic dishonesty* is any violation of the standards of academic honesty. Examples of academic dishonesty are defined below. These examples are intended to provide guidance but not to constitute an exhaustive list of the forms that academic dishonesty might take.

##### 1. Plagiarism

- a. Presentation or appropriation of another's ideas, words, images, work, materials, results, etc. as one's own, including but not limited to: omission or improper use of citations; copying another's work without attribution.
- b. Inappropriate use of an Internet or digital source, including but not limited to: inappropriate copying in whole or part; submission of a paper or other work, or any part thereof, obtained via the Internet or a digital source, as one's own work; inappropriate sampling of images or sound; the use of online solutions typically made available as instructor resources for a course.

### Returning from a Leave of Absence

When returning from a LOA and prior to registering:

1. A student must fill out the Return from LOA form available on the Office of the Registrar website.
2. A student must contact the Chair of his or her academic department or Dean's Office to inform the department of his or her intent to return and the expected semester of return. The student must meet with their Dean's Office prior to registering for classes.
3. The student must meet all financial aid deadlines for the academic year of his or her expected return and clear any financial holds.
4. The student should check PROWL for any other holds on their account that need to be addressed, and contact the appropriate office for assistance in their removal.
5. If the student wishes to reside on campus, the student must contact the Student Housing Office and submit all the necessary forms to apply for housing and meet all deadlines.

- c. Unauthorized presentation or partial or complete resubmission of one's own previous academic work for additional academic credit.

## 2. Fraud

- a. Representing oneself as another person in relation to an academic assignment or course, or allowing another to represent oneself in relation to an academic assignment or course. For example, signing an attendance sheet in class or at an extracurricular event on behalf of an absent student, representing oneself as someone else in the context of an online course, or permitting another person to complete an assignment or take an examination on one's behalf in the context of an online course.
- b. Presenting forged signatures or documents as authentic.
- c. Altering or fabricating data.
- d. Submitting false or fabricated citations.

## 3. Cheating and Facilitating Cheating

- a. Possession, distribution, and/or use of materials or technology for the purpose of cheating or facilitating cheating.
- b. Coercing or attempting to coerce a classmate to facilitate cheating.
- c. Using resources and materials prohibited by the Instructor.
- d. Collaboration on coursework that violates an Instructor's stated policies or instruction.
- e. Misrepresenting contributions to group projects.

## 4. Unauthorized Access to or Alteration of Privileged and Proprietary Information

- a. Unauthorized access to and/or use of privileged University documents, files, or information and/or alteration thereof by electronic or any other means.
- b. Unauthorized access to and/or use of proprietary information. For example, the unauthorized dissemination of research prior to publication.
- c. Unauthorized access to and/or use of University course resources and materials. For example, distributing any course materials (syllabus, assignments, exams, etc.) without explicit permission from the instructor.

## 5. Other Academic Dishonesty

- a. Acts of academic sabotage. For example, the purposeful theft, vandalism, or unauthorized access of library books, academic records, equipment, or materials, or the theft or destruction of other Students' work.
- b. Any other means of violating the standards of academic honesty set out above, existing or yet to be invented.

## C. Student Protections

1. The burden shall be upon the Instructor to provide evidence that it is more probable than not that the Student has committed the alleged academic honesty violation.
2. A Student has the right to appeal the Instructor's decision concerning an allegation of academic dishonesty.
3. Access to materials, files and records alleging and documenting a Student's violation of the Academic Honesty Policy will only be authorized for disclosure to individuals necessary for the processing of the Academic Honesty Policy violation (such as the Student, Instructor, Chair, Dean, Provost, Academic Honesty Review Committee [AHRC]).
4. A Student has the right to petition the AHRC to have records of his/her violation of the Policy expunged. The AHRC shall review the petition and make its recommendation to the Provost. Factors to be considered

include: (1) severity of the violation; (2) time that has elapsed since the violation; (3) present demeanor and contrition of the Student; (4) demonstrated conduct since the violation; and (5) the severity of any damage, injury, or harm resulting from the violation. Decisions on such petitions are at the discretion of the Provost, whose decision is final.

## D. Instructor Protections

1. Instructors are expected to apply academic integrity standards consistently across all of their students in all of their classes and pursue all cases of academic dishonesty.
2. Instructors may attempt to stop suspected cheating in progress when appropriate (for example, during and examination). Instructors must then follow the procedure outlined in this policy prior to imposition of any academic dishonesty sanction.
3. For each incident of academic dishonesty, a record identifier that does not identify the student is generated that the Instructor may make reference to or include in retention, merit, rank, and promotion decisions (if applicable).
4. Should an instructor require legal assistance during any proceedings related to the charge of academic dishonesty, having followed the procedures outlined in the Policy, LMU will provide the faculty member with the assistance of University counsel. In addition, it is recognized that faculty have the right to be indemnified for all necessary expenditures or losses incurred in direct consequence of the discharge of their duties under California Labor Code section 2802.

## E. Sanctions

Factors to be considered in applying sanctions for determinations of academic dishonesty under this policy shall include the nature and severity of the violation and whether there is a pattern of violations. Sanctions for violations of the Academic Honesty Policy may include the following:

1. Instructor-Imposed Sanction. Imposed at the sole discretion of the Instructor of record and may include (but is not limited to): a requirement to re-do the assignment; a reduced or failing grade on an assignment, or part of an assignment; a reduced or failing grade in the course. If the Instructor imposes a failing grade sanction in the course, a failing grade will appear on the transcript even in the case of subsequent withdrawal.
2. Suspension from the University. The sanction of suspension requires recommendation by the AHRC and approval of the Provost.
3. Dismissal from the University. The sanction of dismissal requires recommendation by the AHRC and approval of the Provost.

## II. Definitions

1. Academic Honesty Violation Form: the official form on which the Instructor reports a violation of academic honesty.
2. AHRC: the Academic Honesty Review Committee, the body that provides a ruling the Provost concerning appeals and other matters related to violations of the Academic Honesty Policy.
3. Day: a regular University business day. It shall not include Saturdays, Sundays, or administrative holidays.
4. Dismissal: the permanent separation of the Student from the University. Permanent notification may appear on the

- Student's transcript. The Student will also not be permitted on campus or University premises. Any alteration, deferral or suspension of this sanction may be subject to conditions.
5. Institution/University: Loyola Marymount University.
  6. Instructor: any LMU faculty member, librarian, or other individual authorized to evaluate students' academic work.
  7. NR: Not Reported. NR will be used as a placeholder at the time of a final grade submission or recordation while an academic honesty violation appeal is in process.
  8. Policy: the Academic Honesty Policy.
  9. Provost: the Provost or the Provost's designee for managing the day-to-day operations of the Academic Honesty Policy.
  10. Record/Student Record: the permanent documentation kept by the University concerning the student's matriculation and performance. Files are all relevant physical or digital documentation of a case.
  11. Student: a person enrolled in any University program or class.
  12. Supervisor: the person to whom an Instructor reports directly in teaching-related matters. In most cases, the "Supervisor" is the Instructor's Department Chair or Program Director; for most Department Chairs and Program Directors it is the Dean or Associate Dean.
  13. Suspension: the separation of the Student from the University for a stated period with an opportunity for reinstatement consideration. Permanent notification of suspension may appear on the Student's transcript. While suspended, the Student is ineligible for and shall not participate in any University sponsored activities and may be prohibited from a presence on campus and University premises. Suspended time will not count against any time limits of graduate schools or programs for completion of a graduate degree. Any alteration, deferral or suspension of this sanction may be subject to conditions.
  14. Violation: a determined violation of the University's Academic Honesty Policy.
  15. The terms "will" and "shall" are used in the imperative sense. The term "may" is used in the permissive sense.
- a. If the Instructor determines that no violation of the Academic Honesty Policy has occurred, no further action or steps will be taken. The Instructor will notify the Supervisor of the determination.
  - b. If the Instructor determines that a violation of the Academic Honesty Policy has occurred, a sanction within the purview of the Instructor will be imposed. A completed Academic Honesty Violation Form (with supporting evidence) will be forwarded to the Provost (with a copy to the Instructor's Supervisor and to the Student).
3. If the Student does not respond to the initial email from the Instructor within five days, a determination shall be made by the Instructor and if a determination of an Academic Honesty Policy violation is made, a sanction within the purview of the Instructor will be imposed. A completed Academic Honesty Violation Form with the supporting evidence will be forwarded to the Provost (with a copy to the Instructor's Supervisor and to the Student).
  4. The Student may submit an appeal of the Academic Honesty Policy violation determination and/or sanction within five days of the Instructor's emailing of the Academic Honesty Violation Form.
    - a. If no appeal is filed, then the Academic Honesty Policy violation determination becomes final. The Provost will file the paperwork, with a copy to the Student's Dean's Office, and apply the sanction determined by the Instructor. This terminates the process.
    - b. If the Student files an appeal, then the grade on the relevant assignment, or in the course, will be converted to "NR" within five days of receipt of the appeal, and remain as such until the final resolution of the appeal process.
    - c. In the case of a Student appeal, the Provost will submit the case to the AHRC for reconsideration and will notify the Student and Instructor thereof.

### III. Procedures

#### A. Process

1. An Instructor who has reason to believe that a student has violated the Academic Honesty Policy will inform the Student of the suspected academic dishonesty in an email sent to the Student's LMU email address (with a copy to the Instructor's Supervisor) within five days of discovering evidence of the academic dishonesty. This message should include a statement of the nature of the suspected violation, the evidence supporting the suspected violation and a deadline of five days for the Student to respond by email. Because at this point in the process there is only a suspicion or allegation of a policy violation, no determination has been made and there should not be any mention of a prospective sanction in the message. The communication should also include a request to meet (or confer) with the Student within five days after the student's response to the email.
2. The Instructor's meeting with the Student shall take place after receipt of the Student's email reply and provides an opportunity for the Instructor and the Student to discuss the suspected academic honesty violation, the evidence, and the prospective sanction (e.g., a failing grade on an assignment or a failing grade in a course), and any concerns the Student may have.
5. When a determination becomes final, the Provost shall review the Student's record to determine if there is a prior history or pattern of academic dishonesty. For cases in which the Provost determines that such a history or pattern exists and therefore the Student's record and pattern of behavior warrants further review, the Provost will submit the Student's record of proceedings under the Academic Honesty Policy to the Academic Honesty Review Committee (AHRC) for consideration of additional action and will so notify the Student thereof.
6. If the AHRC determines that a violation merits a different result or sanction (in cases of appeal) or that the Student's pattern of behavior warrants an additional sanction, up to and including the Student's suspension or dismissal (in cases where the Provost requests further review), it shall communicate its decision to the Student and to the Provost within 15 days of the Provost's request for consideration.
  - a. In cases of a ruling for additional sanction based on a pattern of behavior, the Student has 10 days to

respond to the AHRC ruling; the response shall be submitted directly to the Provost.

- b. The Provost shall make the final decision within 5 days after the window for the Student's response to the AHRC ruling closes. Upon making the final decision, Provost shall add appropriate documentation to the Student's record, with a copy to the Student's Dean's Office, and apply the sanction. The Provost's decision is final and terminates the process.
7. All deadlines apply during the semester - that is, from the first day of classes to five days after final grades are due. Attempts will be made to conclude pending cases in May before the end of the academic year. All unresolved cases will be considered and determined in the next regular semester.
8. A Student charged with an Academic Honesty Policy violation prior to graduation may not receive a diploma/degree until any pertinent proceedings regarding that Student have been completed. A student who has been suspended cannot graduate unless and until he/she is reinstated.
9. The Provost's office will provide an annual report, without identifying Students, detailing the number and type of violations reported in different areas of the LMU community, as well as the number and type of AHRC rulings and Provost decisions, if applicable.

## B. Appeals

1. A Student has the right to appeal the Instructor's decision concerning an allegation of academic dishonesty.
2. A Student may appeal on one or more of the following grounds:
  - a. The violation determination is not supported by substantial evidence.
  - b. New relevant evidence is available.
  - c. The sanction is substantially disproportionate to the offense.
  - d. The procedures detailed in this document were not materially followed, resulting in significant disadvantage or prejudice to the Student.
3. The Student must make his or her appeal in writing no later than five days following the Instructor's emailing of the Academic Honesty Violation Form to the Student.
4. All appeals must be submitted by email to the Provost (with a copy to the Instructor and the Instructor's Supervisor).
5. The Provost will inform the Instructor of the receipt of an appeal request within five days, and will submit the appeal request to the AHRC. At the request of the AHRC, the Instructor will be given the opportunity to provide additional evidence or argument should the Student present new arguments or evidence. The Student shall have a right to know of and respond to the AHRC respecting any new or additional evidence or argument provided by the Instructor to the AHRC.
6. The AHRC shall determine whether or not the evidence supports the allegation, if so, whether the sanction is appropriate taking into account all available evidence related to the academic dishonesty as well as, during the sanctions deliberations, any evidence provided by the

Provost regarding any prior offenses, and whether the correct procedures were followed.

7. The AHRC will communicate its findings and ruling to the Provost.
8. In cases of an AHRC ruling for suspension or dismissal, the Student has 10 days to respond to the AHRC ruling about the propriety of the sanction; the response shall be submitted directly to the Provost.
9. The Provost shall make the final decision, in light of the recommendation of the AHRC and after consideration of any submission from the Student, and will communicate this decision to the Student and Instructor, with a copy to the Student's Dean's Office. The Provost's decision is final and terminates the process.

## C. Documentation: Files and Records

1. A digital copy of the Academic Honesty Violation Form, with supporting evidence, will remain on file in the Provost's Office.
2. Records will have a protected status, with access only as authorized by law and permitted by the Provost.

## Privacy Rights of Students in Education Records (FERPA)

### Loyola Marymount University Policy on Confidentiality of Education Records (FERPA Policy)

The Family Educational Rights and Privacy Act of 1974, as amended ("FERPA"), is a Federal law which governs student privacy and confidentiality of student education records. Loyola Marymount University ("LMU") recognizes, abides by and enforces the confidentiality of student records under FERPA.

#### Definitions

For the purposes of this policy, the following definitions apply:

Student—any person who attends or has attended LMU.

Education records—any record (in handwriting, print, tapes, film, electronic, or other medium) maintained by LMU or any agent of LMU which is directly related to a student, except:

A personal record kept by a staff member if it is kept in the sole possession of the maker of the record and is not accessible or revealed to any other person except a temporary substitute for the maker of the record.

An employee record of an individual whose employment is not contingent on the fact that he or she is a student, provided the record is used only in relation to the individual's employment.

LMU Department of Public Safety records created and maintained by LMU's Department of Public Safety for Department of Public Safety purposes.

Counseling records which are created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional, acting in his or her professional capacity or assisting in a paraprofessional capacity, used solely in connection with the provision of treatment to the student and not disclosed to anyone other than individuals providing such treatment, so long as the records can be personally reviewed by a physician or other appropriate professional of the student's choice. "Treatment" in this context does not include remedial educational activities or activities which are part of the program of instruction at the institution.

Health records maintained by the Student Health Center, if the records are used only for treatment of a student and made available only to those persons providing the treatment.

Alumni records which contain information about a student after he or she is no longer in attendance at the University and which do not relate to the person as a student.

### **Annual Notification**

Current students are notified annually of their rights under the Family Educational Rights and Privacy Act (FERPA) by publication in the University Bulletin and by posts on the LMU website.

### **Procedure to Inspect Education Records**

Students may inspect and review their official academic or other education records (with certain limited exceptions) within 45 days of the day LMU receives the student's written request for access. A student should submit any such request in writing, identifying the record(s) the student wishes to inspect, to the appropriate LMU official or department. LMU will make arrangements for access and notify the student of the time and place where the records may be inspected.

### **Right of University to Refuse Access**

LMU reserves the right to refuse to permit a student to inspect the following records:

- The financial statements of third parties.
- Letters and statements of recommendation for which the student has waived his or her right of access, or which were created before January 1, 1975.
- Records connected with an application to attend LMU, or any LMU program, after acceptance but prior to enrollment, or if that application was denied.
- Those records which are excluded from the FERPA definition of education records.

### **Refusal to Provide Copies**

Unless required by FERPA or other law, LMU reserves the right to deny a student's access to academic transcripts or copies of records in any of the following situations:

The student has any unpaid financial obligations to LMU.

There is an unresolved disciplinary action against the student.

Copies of disciplinary records will only be made available when a student is unable to come to the office to inspect the record.

### **Disclosure of Education Records**

LMU will disclose information from a student's education record only with the written consent of the student, except:

- To school officials who have a legitimate educational interest in the records.
- A "school official" is any person employed by LMU in any administrative, supervisory, academic or research, or support staff position (including public safety and health services staff); any person or company with whom LMU has contracted to provide a service to or on behalf of LMU (such as attorneys, auditors, or collection agents); any person serving on LMU's Board of Trustees; or any student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.
- A school official has a "legitimate educational interest" if the official needs to review an education record in order to fulfill the official's professional responsibilities.
- To officials of another school, upon request, in which a student seeks or intends to enroll. A reasonable attempt will be made to notify the student prior to the release of such records.
- To certain officials of the U.S. Department of Education, the Controller General, Attorney General, and the state

and local educational authorities, in connection with certain state or federally supported education programs.

- In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid. Parents' financial information, including statements submitted in connection with financial aid applications, is excluded from inspection.
- If required by a state law requiring disclosure that was adopted before November 19, 1974.
- To organizations conducting certain studies for or on behalf of the University.
- To accrediting organizations to carry out their functions.
- To parents of a dependent student, as defined in the Internal Revenue Code. The parents must provide a copy of their most recent federal income tax return establishing the student's dependency. Full rights under the act shall be given to either parent, unless LMU has been provided with evidence that there is a court order, state statute or legally binding document relating to such matters as divorce, separation or custody that specifically revokes those rights. LMU does not have an obligation to disclose any financial information about one parent to another. If a parent claims a student as a dependent and does not want his/her financial information disclosed to his/her spouse or former spouse, the parent may make that request to the institution.
- To comply with a judicial order or a lawfully issued subpoena.
- To appropriate parties in a health or safety emergency.
- To an alleged victim of a sexual assault of the final results of any institutional disciplinary proceeding against the alleged perpetrator of that crime with respect to that crime or offense.
- To courts for a legal proceeding brought by a parent or student against the university or by the University against a parent or student.
- To parents and legal guardians of students under age 21 if the student violated LMU policies, state or federal laws relating to the use or possession of alcohol or a controlled substance.
- To the public the final results of a disciplinary proceeding only if it has been determined that:
  - the student is an alleged perpetrator of a crime of violence or nonforcible sex offense; and
  - the student has committed a violation of the university's rules with respect to the allegation.
- To state and local juvenile justice systems or their officials.
- If designated as "Directory Information."

### **Directory Information**

LMU is permitted under provisions of FERPA to release "Directory Information" upon request to anyone within the LMU community and to the general public without a student's consent. Students who wish to have their directory information withheld must notify the Office of the Registrar in writing each semester by the close of official registration. (Please note that such withhold notification will prevent LMU from providing your directory information to friends, prospective employers, organizations and others with whom a student may wish to share such information, so a student should make any withhold notification carefully.)

Directory Information consists of a student's:

- Name
- Address(es)
- Email address(es)
- Telephone numbers
- Date and place of birth
- Fields of study
- Enrollment status
- Dates of attendance
- Anticipated degree and degree date
- Degrees, honors, and awards received
- Participation in officially recognized activities
- Weight and height of members of athletic teams
- A student's personal identifier used by the student for purposes of accessing or communicating in electronic systems
- Class-related information necessary for classroom/student collaboration
- Most recent educational institution attended
- Photograph

### **Correction of Education Records**

Students have the right to ask to have records corrected that they believe are inaccurate, misleading, or in violation of their privacy rights. A student should submit any such request to LMU in writing, clearly identifying the records that the student believes are inaccurate and specifying the reasons the student believes them to be inaccurate. LMU will notify the student of its decision, and if the decision is negative, of the student's right to a hearing regarding his or her request for amendment. Additional information regarding the hearing procedures will be provided at that time.

### **Notice of Student Rights with Respect to Education Records (FERPA)**

The Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) ("FERPA") affords students certain rights with respect to their education records. These rights include:

(1) The right to inspect and review the student's education records (with certain limited exceptions) within 45 days of the day LMU receives the student's written request for access. A student should submit any such request in writing, identifying the record(s) the student wishes to inspect, to the appropriate LMU official or department. LMU will make arrangements for access and notify the student of the time and place where the records may be inspected.

(2) The right to request the amendment of the student's education records that the student believes to be inaccurate. A student should submit any such request to LMU in writing, clearly identifying the records that the student believes are inaccurate and specifying the reasons the student believes them to be inaccurate. LMU will notify the student of its decision, and if the decision is negative, of the student's right to a hearing regarding his or her request for amendment. Additional information regarding the hearing procedures will be provided at that time.

(3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One such exception permits disclosure to "school officials" with "legitimate educational interests" without a student's consent. A "school official" is any person employed by LMU in any administrative, supervisory, academic or research, or support staff position (including public safety and health services staff); any person or company with whom LMU has contracted to provide a service to or on behalf of LMU (such as attorneys, auditors, or

collection agents); any person serving on LMU's Board of Trustees; or any student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a "legitimate educational interest" if the official needs to review an education record in order to fulfill the official's professional responsibilities.

Another such exception permits LMU to disclose a student's "directory information," consisting of a student's name, address(es), email address(es), telephone numbers, major field of study, enrollment status, dates of attendance, anticipated degree and degree date, degrees, honors and awards received, participation in officially recognized activities; a student's personal identifier used by the student for purposes of accessing or communicating in electronic systems; most recent educational institution attended; and photograph, to anyone within the LMU community and to the general public. Students who wish to have their directory information withheld must notify the Office of the Registrar in writing each semester by the close of official registration. (Please note that such withhold notification will prevent LMU from providing your directory information to friends, prospective employers, organizations and others with whom a student may wish to share such information, so a student should make any withhold notification carefully.)

Upon request, LMU also discloses education records without consent to officials of another school in which a student seeks or intends to enroll or where the student is already enrolled so long as the disclosure is for purposes related to the student's enrollment or transfer.

Information on other exceptions to FERPA's requirements is available through the Office of the Registrar.

(4) The right to file a complaint with the U.S. Department of Education concerning LMU's compliance with the requirements of FERPA. The name and address of the Office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202.

### **Registration**

The days of registration are listed in the University Calendar. All students must follow the registration procedures as established by the Office of the Registrar. A student is not considered registered until official clearance has been obtained from the Controller's Office and successful registration has been processed in and posted to PROWL. The student's official academic program consists of the courses in which the student is enrolled at the close of official registration.

Students register for classes via PROWL during the times assigned by the Office of the Registrar. Through the first week of each term, students may register or change their registration schedule by adding and dropping classes without a grade of "W" in accordance with the procedures established by the Office of the Registrar. Registration for a term or registration changes are not accepted after the last day of the registration period.

Students may withdraw from a course (and receive a grade of "W") until the date published in the Academic Calendar. Students who do not complete a course and/or do not withdraw from a class in accordance with the required procedures will receive an appropriate grade in the class as assigned by the instructor.

LMU does not allow a student who is not registered for a course to attend the class. Registration must be completed in accordance with the regulations, procedures, and dates in the University Bulletin. Sitting in a class or obtaining an instructor's signature on a petition form does not constitute enrollment.

The University does not remove courses for those students who stop attending a course. It is the sole responsibility of the student to ensure that his/her class schedule is correct, including dropping or withdrawing from any courses prior to the respective deadlines in the semester. Failure to withdraw officially from a course will result in a grade of "F" or other as assigned by the instructor.

### Registration Restrictions

Courses may have registration restrictions, and students wishing to register for these courses must have met the criteria of the restriction. Restrictions and other registration considerations are enforced in PROWL and are identifiable in the Schedule of Classes.

Students who have not earned 60 units, including transfer credit, may not enroll in upper division courses without the approval of the instructor and the chair of the department of the course. This restriction does not apply to upper division foreign language courses for which a student has demonstrated sufficient proficiency.

Any holds on the student's record for academic, financial, student conduct, or other reasons may inhibit eligibility for registration. A student is not considered registered until official clearance has been obtained from Student Accounts and successful registration through PROWL has been processed by the Office of the Registrar.

### Repeat Courses

Certain courses such as special studies and performance courses are repeatable for credit. Please consult the University Bulletin and your advisor in order to confirm that a given course may be repeatable for credit.

Students may repeat a non-repeatable LMU course once, including withdrawals, in order to improve academic performance in that course. The prior occurrence is excluded from the cumulative grade point average and earned hours but remains on the transcript. The grade of the latest occurrence of the repeated course will be the one calculated into the GPA and earned hours. The third and final time a course is taken requires approval from the Dean.

- A repeat course must be taken on the same grade basis as the original occurrence. A course taken for a grade may only be excluded by the same course with a grade. Similarly, a course taken on a CR/NC basis may only be excluded by the same course taken on a CR/NC basis.
- Undergraduate students may not repeat an elementary or intermediate foreign language course after successful completion of a more advanced course in the same language.
- Courses taken at LMU after a degree has been granted will not change the graduation GPA.

### Unit Overload

Undergraduate students are limited to enrolling in a maximum of 17 semester hours up until the third week prior to the first week of classes. Beginning the third week prior to classes and running through the first week of the term, undergraduate students are eligible to enroll in 18 or more semester hours with the approval of their Dean's Office.

In order for an undergraduate student to enroll in 19 or more semester hours, the following criteria must be met:

1. A 3.50 overall GPA
2. A minimum of 15 semester hours completed during the prior full semester
3. A General Petition to adjust hours signed by the Associate Dean's office and submitted to the Office of the Registrar.

The maximum load for graduate students during a Fall or Spring semester is 15 semester hours.

### Transcripts

Transcripts show all Loyola Marymount University work completed as of the date of the transcript request. Work in progress is noted on the transcript. Requests for transcripts to show end of current semester's work are held until all grades are recorded. Transcript requests are processed in accordance with the date of filing. Transcripts will not be issued when a student has outstanding financial obligations to the University. In this case, the student will be notified by the Controller's Office. Official transcripts of courses taken at the University are issued only with the permission of the student concerned. Unofficial or partial transcripts are not issued.

Transcripts from other institutions, which have been presented for admission or evaluation, become a part of the student's permanent academic file and are not returned to the student. Students desiring transcripts covering work attempted elsewhere should request them from the appropriate institutions.

### Transfer Credit and Articulation

Credit for work completed at institutions accredited by one of the six regional associations of the Accrediting Commission for Senior Colleges and Universities may generally be accepted toward the satisfaction of degree and credential requirements at Loyola Marymount University.

Course work completed at non-U.S. institutions must be documented on an official academic record from an international institution recognized by the Ministry or Department of Education of that country. A foreign credentials evaluation may be required. International transcripts submitted without appropriate evaluations may not be considered for eligible transfer work to LMU.

### Articulation

The articulation services at LMU help undergraduate students to identify courses completed at other academic institutions that are transferable to LMU degree programs. Courses taken at other academic institutions may fulfill University core requirements, Program (academic major/minor) requirements or transfer in as electives. LMU has established articulation agreements with its major feeder community colleges.

View these transfer agreements on the Registrar's website, and click on "Transfer Agreements."

Graduate students should consult their Dean's Office in their College or School.

### Transfer Grades

Only LMU semester hour value is granted to transfer courses. LMU does not list grades from transfer courses nor does it use those grades in calculation of the LMU GPA.

### Transfer Work

#### Undergraduate

Any undergraduate student regularly enrolled as a degree candidate who elects to take courses at a college or university other than Loyola Marymount University must obtain a Transfer Course Approval form signed by the Associate Dean of the student's College or School prior to enrollment in such courses and submit it to the Office of the Registrar. Courses taken without this approval may not be counted toward the degree. Entering transfer students generally receive credit after admission to LMU for courses from other colleges and universities.

Approved undergraduate courses with a grade of C (2.0) or higher may be counted for LMU credit. Credit will not be accepted for courses which

1. Are taken at colleges not accredited, trade schools, extension programs, or correspondence programs or have been identified as being remedial or in other ways as being non-transferable.

2. Are taken on a CR/NC or Pass/Fail basis where the CR or Pass grade is not equivalent to a grade of C or higher.
3. Are identified as duplicates to course work already completed (excludes courses that may be taken multiple times for degree credit).
4. Exceed the limitations of resident requirements.
5. Exceed the 60 semester hour maximum allowed for undergraduate course work from community colleges, or exceed the 90 semester hour maximum allowed for undergraduate course work from four-year institutions.

### **Graduate Transfer Work**

At the time of admission to a program, and if approved by his/her Department, Program Director, and/or Dean of the student's college or school, a student may transfer a maximum of two applicable courses of approved graduate credit, six (6) semester units total, from an accredited institution for work completed no more than five years ago.

1. A course credit may be transferred when the grade received was at least a "B" (3.0), and if taken on a CR/NC or Pass/Fail basis, where the CR or Pass grade is equivalent to a grade of B (3.0) or higher.
2. If a course was used to satisfy a degree requirement, it usually cannot be used for transfer credit, with the exception of core or prerequisite requirements.

### **VA Certification**

Students must apply for educational benefits through the Department of Veterans Affairs. Qualified students will receive from the VA a Certificate of Eligibility indicating the educational benefits to which they are entitled. Once committed to LMU and registered in classes, students must submit their Certificate of Eligibility to the Office of the Registrar for enrollment certification processing. Enrollment certification will be performed prior to each semester of

enrollment until the University is notified that benefits have been exhausted or the student is no longer enrolled at LMU.

The Office of the Registrar acts as liaison between the student and the Veterans Administration. Any student eligible to receive educational benefits under one of the various Veterans Administration programs must, at the beginning of each term for which he or she is registered, complete and/or submit the appropriate application for certification of educational benefits. Information or consultation regarding Veterans educational benefits is available at any time during regular office hours. For more information regarding how to apply for Veterans' educational benefits, visit <http://academics.lmu.edu/registrar/services/veteranbenefits/>.

LMU participates in the Yellow Ribbon Program; which is a Post-9/11 GI Bill enhancement program for students who qualify for 100% of the Post-9/11 GI Bill. This program allows institutions of higher learning in the United States to voluntarily enter into an agreement with the VA to fund tuition expenses that may exceed the higher of the actual tuition and fees for a private school. The number of student sponsored for Yellow Ribbon Program benefits is limited. For additional information on this and other Chapter financial considerations, please see the Financial Aid website.

Federal Law requires that educational assistance benefits to Veterans and other eligible persons be discontinued when the student ceases to make satisfactory progress toward their degree objective. Individuals who qualify, and wish to receive veterans' educational benefits, must meet the published academic standards and requirements of the University in order to be certified for Veterans educational benefits.

## Academic Programs and Services

### University Honors Program

Created in 1958, the University Honors Program at Loyola Marymount University seeks to offer an intellectually creative and rigorous academic community for outstanding students. Because the program serves students from all undergraduate majors, across colleges and schools, it is housed outside of individual colleges and schools and instead is overseen through the Office of the Provost. The University Honors Program offers interdisciplinary Core courses and extra-curricular activities designed to create life-long love of learning and the intellectual habits required to serve others. Although academic excellence is the hallmark of the program, the University Honors Program is equally committed to the education of the whole person, the service of faith, and the promotion of justice.

Students in the University Honors Program take the Honors Core instead of the general LMU core. Our seminar-style courses are taught by talented faculty members from across the University. Our faculty use innovative teaching strategies to create engaging and academically rigorous learning environments.

The University Honors Program also offers co-curricular and extracurricular activities and events that create intellectually stimulating experiences beyond the classroom. A signature of our program is that all Honors students complete independent research or scholarship under a faculty member's mentorship. Some students' projects are funded through competitive grants, through the Honors Program. These grant opportunities allow our students to conduct their research in locations around the world. And almost all of our students present their work, either at LMU's Undergraduate Research Symposium or at national and international conferences.

The University Honors Program is open to students from any school or college of Loyola Marymount University, regardless of major. The Program is administered by the Honors Director, the Honors Associate Director, and the Honors Program Coordinator with the assistance of the Honors Advisory Council. Faculty members of all disciplines are encouraged to be involved with the University Honors Program.

Students in the University Honors Program must maintain a 3.50 cumulative GPA and attend a majority of Honors-sponsored events in order to continue in the program. Graduating students receive an Honors medallion to be worn with their academic regalia at Commencement.

Admission to the University Honors Program is open to all incoming and current first year students. The program is interested in students who display a sense of academic adventure, high motivation, academic rigor, personal responsibility, social awareness, and the constant pursuit of excellence. Incoming first year students must complete a special University Honors Program application (in addition to their application for admission to Loyola Marymount). Current first year students must schedule an interview with the Honors Director, presenting a writing sample from a class taken at Loyola Marymount and a letter of recommendation from a faculty member. Only a limited number of students who apply will be invited to join the University Honors Program. Application materials are available at <http://academics.lmu.edu/honors>.

Further details on requirements are continued under "University Honors Program" in the University Bulletin.

### Academy of Catholic Thought and Imagination

The Academy for Catholic Thought and Imagination at Loyola Marymount University is a community of scholars who work in dialogue with the Catholic intellectual tradition by developing, critically examining, communicating, or otherwise engaging the rich

resources of Catholic thought and imagination, especially as it is informed by Jesuit and Ignatian vision. The Academy serves as a hub for scholarship, interdisciplinary research, innovative pedagogy, and creative outreach across LMU's campus, in the southwest United States and beyond.

ACTI supports a diverse array of activities:

- Producing scholarship
- Collaborating with other Jesuit and Catholic institutions
- Nourishing LMU's intellectual vitality
- Collaborating and facilitating interaction with and between existing LMU centers and institutes whose missions overlap that of the Academy
- Contributing to the development of curricula across schools and departments
- Engaging wider local, national, and global communities through lectures, symposia, workshops and collaborative events.

The ACTI is located on the fourth floor of University Hall, in Suite 4404. For additional information on ACTI services, please call 310.338.3711 or visit the website at <http://academics.lmu.edu/acti>.

### Academic Resource Center

The Academic Resource Center at Loyola Marymount University provides academic support for all LMU students. It is the mission of the ARC to promote engaged academic citizenship and to provide opportunities for students to become more fully integrated into the rich and diverse culture of the university.

Our office offers content tutoring for gateway courses in subjects such as Chemistry, Economics, and Modern Languages. Certified ARC peer tutors provide one-on-one writing support for papers in any class and lead a wide variety of writing workshops on topics including researching tools, addressing audience, citing sources, quoting and paraphrasing, and written argumentation.

Students who need assistance locating, understanding, and utilizing their academic planning tools may meet with an ARC University Advisor. Students looking for an academic boost may receive access to the ARC online video library by signing up for Kickstart, where they will find tips on how to develop productive study habits, time management skills, critical reading, note-taking strategies, and much more.

The ARC also supports a variety of programs for special populations, such as First to Go, which serves first-generation college students on campus, and programs for the entire campus community, such as the LMU Common Book, which brings faculty, students, and staff together for a shared academic experience.

The ARC is located on the second floor of Daum Hall, and all services are included in the cost of tuition. For additional information on ARC services, please call 310.338.2847 or visit our website at [www.lmu.edu/arc](http://www.lmu.edu/arc).

### Air Force ROTC

Air Force ROTC at Loyola Marymount University provides an opportunity for students to become commissioned officers in the United States Air Force. The program is typically completed in four years, but there is some flexibility for students to finish the requirements on an accelerated timeline. The program seeks to better develop students in the areas of character, leadership, physical fitness, and academic performance. In addition, AFROTC provides opportunities for scholarships and other financial aid. More

information can be found under the "Aerospace Studies" section of this University Bulletin.

### **Basil P. Caloyeras Center for Modern Greek Studies**

The Caloyeras Center for Modern Greek Studies provides students with an opportunity to study the culture of contemporary Greece. Courses are offered in Modern Greek history, the Greek Orthodox tradition and spirituality, Modern Greek literature, language and culture, theater, and film. Every summer the Center organizes the Odyssey Program, a four-week travel and study program in Greece. The program is open to all LMU students.

The Center has the following goals:

- To offer courses in modern Greek language, post-classical and modern literature and history, the Greek Orthodox tradition, theatre, cinema, dance, music, and the fine arts
- To encourage students to pursue a minor in Modern Greek Studies
- To sponsor lectures on subjects pertaining to Greece which are of interest to the academic community and to the public at large
- To encourage students and faculty to pursue studies and research projects in Greece.

The Center supports the courses that lead to a minor in Modern Greek. (See "Classics and Archaeology" in this Bulletin.)

The Center also sponsors and organizes lectures, readings, film screenings, concerts, symposia, and exhibitions on topics of interest to the university and the community at large.

The Caloyeras Center for Modern Greek Studies is located in University Hall. For more information, call 310.338.4463 or visit the website at <http://bellarmine.lmu.edu/moderngreek>.

### **LMU Extension**

#### **Center for Religion and Spirituality**

Established as the Center for Pastoral Studies in 1977, the Center for Religion and Spirituality is one of Loyola Marymount's interdisciplinary centers, and an embodiment of the University's commitment to serve the Archdiocese of Los Angeles, neighboring dioceses, and religious communities throughout Southern California. The purpose of the Center is to provide educational opportunities for adult learners that strengthen their religious and spiritual formation as ministers, educators, and leaders who are committed to the pursuit of service and justice in their own communities.

In collaboration with University faculty, the local Church, and religious leaders, the Center carries out this purpose in three ways: continuing education in theology, religion, and spirituality with an emphasis on pastoral leadership; theological research that is interdisciplinary, intercultural, and interreligious; and outreach to individual parishes, religious institutions, and faith-based organizations.

The Center for Religion and Spirituality is located in University Hall, Suite 1840e. For more information please call 310.338.2799 or visit the website at <http://extension.lmu.edu/crs>.

#### **Continuing Education**

LMU Extension is the continuing education unit of Loyola Marymount University. Utilizing both in-class and online platforms, LMU Extension offers transformative learning opportunities by means of professional certificate programs, coursework and special events in business and nonprofit development, counseling, education, ministry, the arts and humanities, and other fields of study that support the academic and professional goals of nontraditional students and lifelong learners.

LMU Extension offers certificates, courses, programs, institutes, conferences, and lectures which provide a variety of educational experiences to members of the community. There are three types of classifications of such offerings.

The first of these is Professional Development courses in a certificate or professional development program with identifiable subject areas or in particular disciplines, e.g., teacher education. These are offered under a departmental rubric and carry University semester hours of continuing education/professional development credit. The second type are those courses with academic content falling outside the normal undergraduate or graduate offerings. Such courses and programs are offered under the rubric CNTX. Credit is recorded in semester hours; 1.0 semester hour represents 10 continuing education contact hours. The third type is personal enrichment programs covering a variety of activities that might include dance, martial arts, or yoga, to name but a few.

Regular Loyola Marymount undergraduate students may enroll in "For Credit" LMU Extension courses with permission of their College or School Dean, at the fees quoted for such courses, above and beyond regular full-time tuition. Enrollment in other LMU Extension offerings is unrestricted unless otherwise specified, also at the fees quoted.

LMU Extension is located in University Hall, Suite 1863. For more information, please call 310.338.1971 or visit the website at <http://academics.lmu.edu/extension>.

#### **Disability Support Services**

The Disability Support Services (DSS) Office provides specialized assistance and resources that enable students with documented physical, perceptual, learning, ADD/ADHD, psychiatric disabilities and students on the autism spectrum to achieve maximum independence while pursuing their educational goals. Services are offered to students who have established documented disabilities under federal and state law. Staff specialists constantly interact with all areas of the University to eliminate physical and attitudinal barriers. Please visit our website for more details: <http://www.lmu.edu/dss/> or contact us at 310.338.4216. Please note that all information is confidential.

#### **Individualized Study Program**

The Individualized Study Program involves a select number of creative and highly motivated students within all colleges and schools of the University whose educational needs and goals cannot fully be met by individual departments or majors. The program is thus designed to offer each participant greater responsibility in determining the content of his or her major program, based upon the goals to which that major is directed. Students may wish to construct their programs or areas of concentration from interdisciplinary, independent study, field work alternatives, or a combination thereof.

The program is open to freshmen and sophomores who have completed at least one semester in the participating colleges or school. Once accepted into the program by the Dean of the student's college or school, the student selects a counselor who assists in designing the specific content of the major in line with the student's objectives.

The student's program is then formalized into a contract signed by the student, advisor, and Dean. Upon completion of the contracted course of studies, the student is issued a degree in Individualized Studies.

#### **Orientation**

The Freshman Orientation Program welcomes new students to the Loyola Marymount community. During Orientation, students are introduced to the academic and co-curricular programs of the University, meet with faculty for individual academic advisement, and are assisted in registering for courses. Students also become

familiar with all of the services, activities, and resources available to them. Throughout the Orientation Program, students interact in small groups, led by current LMU students. Since Orientation provides a useful introduction to the people, programs, and opportunities LMU offers. All incoming freshmen are required to participate in the program. For additional information, please contact the Orientation office at 310.338.7429 or [orientation@lmu.edu](mailto:orientation@lmu.edu).

The Transfer Orientation Program is the best way to acclimate to life at LMU. Orientation helps students become familiar with their new campus, learn about student life, and introduce them to current and other new students as well as helpful and friendly faculty and staff. Some of the activities that take place at orientation include: opportunities to meet faculty and discuss questions about the University; introductions to LMU's wide-ranging events, clubs, and organizations; discussions with current students about various involvement opportunities on campus; and a chance to speak with representatives from all administration areas (Registrar, One Card, Financial Aid, etc.). For additional information regarding Transfer Orientation, please contact the Transfer Programs office at [transferprograms@lmu.edu](mailto:transferprograms@lmu.edu) or 310.338.5252.

### **Postbaccalaureate Premedical Program**

The Loyola Marymount University Postbaccalaureate Premedical Program is for those who received a bachelor's degree from an accredited four-year institution in an unrelated field, and have completed less than four of the prerequisite courses for admission to medical or dental school. A minimum undergraduate GPA of 3.2 is required to qualify for the program. The ideal candidate will have had sufficient experience in the medical field, either through volunteer work or previous employment, to serve as a basis for an informed, mature, and committed decision to enter the field of medicine or dentistry.

The program is designed to prepare students for the challenges of medical and dental school by offering intensive, full-time study in the classroom and in the community over a 13-month period. The program enrollment is set at 14-16 students to give individual attention, support, advising, and resources that meet students' needs.

LMU offers a structured and comprehensive curriculum that gives students the opportunity to prepare for the MCAT or DAT in five terms.

To remain in the program, students will need to successfully complete a full-time load (minimum 12 semester hours Fall and Spring semesters, and 6 semester hours in two 6-week Summer sessions) and maintain a minimum of 3.2 term GPA.

Individuals interested in applying to this program should check the program website for application materials and timeline: <http://cse.lmu.edu/centerforstudentsuccess/healthprofessionsadvising/pre-medicalpost-baccalaureateprogram>.

For questions about the program, please send an email to [pre-health@lmu.edu](mailto:pre-health@lmu.edu).

### **Preparation for a Career in Law**

The University offers several curricula that are appropriate for students who plan to enter law school upon the completion of their undergraduate degree. The prelaw student should select a course of study that insures the development of the skills essential to the successful study of law: 1) the ability to use language and communicate effectively and 2) the ability to think critically and creatively. In addition, the prelaw curriculum must provide a broad understanding of basic human institutions and values.

To insure they follow an appropriate course of study, prelaw students are advised to select their classes in consultation with the University Prewal Advisor. The Prewal Advisor also serves as a

resource person for students during the law school application process.

### **Preparation for the Health Professions**

The Health Professions Information Program provides the student with regular informational meetings. The Director of the Program serves as a resource person and is available for individual consultation. The Director's Office distributes relevant materials to prospective applicants and maintains their files for the Health Professions Advisory Committee. The Committee assists students in completing the application process to health professional schools.

The University offers pre-health professional curricula for those students who plan to apply for admission to the following programs: Medicine, Dentistry, Optometry, Pediatric Medicine, Veterinary Medicine, Pharmacy, Medical Technology, Occupational Therapy, Physical Therapy, and Public Health. These curricula are not degree programs, and students who wish to complete the requirements for a Bachelor's degree before admission to a professional school should select a major within the University. Students usually select a biology, biochemistry, or other science major. Students in other majors should consult with the director early in their college career about blending pre-health profession courses with their chosen major. In addition to fulfilling the requirements of the chosen major, specific requirements of the professional programs should be satisfied. The following lower division courses are usually required: BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, BIOL 202; CHEM 110, CHEM 111, CHEM 112, CHEM 113, CHEM 220, CHEM 221, CHEM 222, CHEM 223; English (6 semester hours); MATH 122, MATH 123; PHYS 253, PHYS 254; and PSYC 1000. In addition, other specified upper division biology, biochemistry, and statistics courses and electives from Liberal Arts, Fine Arts, and the Sciences may be required.

Students should be aware that many health professional schools do not recognize some AP credits and that alternative coursework may need to be completed to meet admission requirements. Please discuss with the Director.

### **Study Abroad**

#### **Semester Study Abroad Models**

Semester programming listed as "featured" indicates federal, state, and institutional aid travels with the student.

#### **LMU Semester Programs**

LMU Semester Study Abroad programs provide unparalleled opportunities to learn in a distinctive setting, experience a new culture and become a global citizen. Spending three to four months abroad is the perfect way to really get to know a new city, a new country, and potentially a new language. Students will study with LMU classmates and learn from LMU faculty and local instructors. LMU semester programs offer a range of core and specialized courses, for which students will earn LMU credit and grades. All courses are taught in English with the exception of foreign language courses.

Students apply for the program one semester before they would like to participate, register for courses via PROWL, pay LMU tuition and program fee, and keep their financial aid package including any grants and scholarships already awarded. A comprehensive list of LMU semester programming can be found on the LMU Study Abroad website.

#### **LMU Exchange Programs**

Exchange programs allow LMU students to spend a semester studying at carefully selected institutions of higher education around the world. An exchange program is an exceptional opportunity to enhance one's college experience and become fully immersed in another culture. LMU students live and study with students from the host country. Academically, they will be challenged by learning a

new language, if they choose, or exploring an array of unique course offerings that count as transfer credit toward their LMU degree. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher.

Students apply for the program one semester before they would like to participate, pay LMU tuition, and keep their financial package including any grants and scholarships already awarded. Housing and Board costs vary by location and are paid directly to the host institution. At most institutions, LMU students take courses taught in English as well as any applicable foreign language courses. Exchange Programs in Spanish speaking countries require that students have an intermediate level of Spanish, as they will take classes taught in Spanish as well as any available courses taught in English. A comprehensive list of reciprocal exchange programming can be found on the LMU Study Abroad website.

### **Other Featured Programming**

Loyola Marymount University highlights other programming offered by other U.S. or international institutions. One such organization is the Association of Jesuit Colleges and Universities, which has a common mission and belief in the development of the whole person and a commitment to social justice, service, and leadership development. The LMU Study Abroad Office offers several AJCU semester study abroad programs, which have been selected to meet LMU standards. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher.

Students apply for the program one semester before they would like to participate, pay LMU tuition and program fee, and keep their financial package including any grants and scholarships already awarded. A comprehensive list of other featured programming can be found on the LMU Study Abroad website.

### **Non-LMU Study Abroad Programs**

A list of other academically approved programs may be found on the Study Abroad website. If a student chooses to study abroad in one of the approved programs, he or she must follow the administrative procedures below in order to receive prior approval. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher. Schedule an advising appointment with the Study Abroad Advisor who advises for Non-LMU programs.

- In addition to the host institution application materials a student must submit directly to the host institution, he or she must complete an LMU Study Abroad Application by the deadline. Students will go through the Study Abroad Transfer of Credit Approval (TCA) process to determine how the courses will transfer towards their degree as part of their LMU Study Abroad Application.
- Students are strongly encouraged to speak with their departmental advisor about their study abroad plans and discuss how they fit with their academic plan.
- Students who do not complete the above full administrative procedure starting with the Study Abroad office will not be approved to receive academic credit for their Study Abroad program.

### **Summer Semester Study Abroad Models**

#### **LMU Summer Programs**

LMU Summer Study Abroad programs, typically four to five weeks, provide a rich academic experience complemented by short cultural excursions. Students can take core and specialized courses for which they will receive LMU credit and grades. Each program is led by LMU faculty members whose expertise in the country and subject matter give a lasting perspective of the host country and provide a strong academic foundation.

Students apply for the program through the Study Abroad Office, register for courses via PROWL and pay for the program cost via the

Student Account Center. A comprehensive list of programming can be found on the LMU Study Abroad website.

#### **Non-LMU Summer Programs**

Non-LMU Summer Study Abroad programs, typically four to five weeks, provide a rich academic experience complemented by short cultural excursions. The LMU study abroad office has selected a small number of non-LMU summer programs to highlight and offer to our students in conjunction with our own programming. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher.

Students apply for the program through the Study Abroad Office and pay for the program cost as indicated on the LMU study abroad website, via the Student Account Center. A comprehensive list of programming can be found on the LMU study abroad website.

### **Study Abroad Administrative Procedures and Forms**

#### **Study Abroad Transfer Course Approval Form**

The Study Abroad Transfer Course approval form is used for all study abroad programming models aside from the full LMU semester or summer programs. The Study Abroad Transfer Course Approval (SATCA) form is part of the application process for study abroad. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher.

Students who wish to receive transfer credit towards their degree must:

- Complete a Study Abroad Transfer course approval form listing all courses. If you are taking courses which are part of your academic major program, you must obtain the approval of the Department Chair for each course. Take the approved form to your Dean's Office for approval and then submit it to the Study Abroad Office for further processing.
- Courses which have not received prior approval on the SATCA form generally do not earn LMU credit. Students seeking to transfer credit from overseas program experiences that does not follow the full pre-approval process may find that credit is not transferable.
- All Study Abroad work completed through a sponsoring institution must be documented on an official transcript from a U.S. Institution accredited by one of the six regional associations of the Accrediting Commission for Senior Colleges and Universities.
- Study Abroad work completed at an international institution must be documented on an official academic record from an institution recognized by the Ministry or Department of Education of that country. Work completed at institutions which do not have official recognition by the Ministry or Department of Education of that country are not eligible for transfer.
- Order an official transcript from the University attended and have it sent directly to the LMU Office of the Registrar. LMU course credit will not be granted without an official transcript.

#### **Study Abroad Petitions**

Students who would like participate in a semester program that is not pre-approved must petition the Study Abroad Office for a one-time program approval. This process must be started at least one year before the study abroad semester. Students wishing to petition for summer programming must submit a similar petition by March 1 in advance of any non-LMU summer program of that same year. Students must demonstrate a compelling academic reason to attend and follow the full administrative procedure starting with the Study Abroad Office. The petition must be pre-approved by the Study Abroad Office, the student's Associate Dean and the institution

accreditation must be verified and approved by the Office of the Registrar.

The Study Abroad Office strongly recommends that the full administrative petition process be completed before the student makes any payment to a non-approved program.

For more information regarding Study Abroad opportunities, please consult the Study Abroad website (<http://www.lmu.edu/studyabroad>) or contact the Director of Study Abroad, Adrian Doyle, at [Adrian.Doyle@lmu.edu](mailto:Adrian.Doyle@lmu.edu), 310.338.1973.

### **Thomas and Dorothy Leavey Center for the Study of Los Angeles**

The Thomas and Dorothy Leavey Center for the Study of Los Angeles is one of the leading undergraduate research centers in the nation. It is a respected leader in public opinion surveys, exit polling, and leadership and community studies.

Founded in 1996, the Center conducts groundbreaking research through its LA Votes exit poll project, LA Riots Anniversary Studies, and LA Region Public Opinion and Leaders Surveys. It provides rigorous, mentored research experiences for undergraduate students with an emphasis on hands-on field research.

The Leavey Center for the Study of Los Angeles is located in University Hall, Suite 4119. For more information, please call 310.338.4565 or visit the website at <http://academics.lmu.edu/studyla>.

### **University Library**

Since 2009, the William H. Hannon Library—a modern LEED Gold certified building located centrally on campus overlooking the bluff and the city of Los Angeles—has served as the cultural and intellectual heart of the LMU Campus. The librarians and staff at the Hannon Library contribute to the success of each LMU student and faculty member by providing outstanding information resources, expert research assistance, and access to advanced technology in a beautiful and comfortable setting. Through services and collections both physical and digital, we support the learning and research needs of our community 24 hours a day.

Our collections include 500,000+ books in print, 67,000+ online journals, 450,000+ e-books, and 200 online research databases. The Department of Archives and Special Collections houses rare books, manuscripts, art, and the University Archives. Notable holdings include the St. Thomas More, Oliver Goldsmith, and the

Helena and John Weadock Collection of rare English and American first editions. Other important collections are the papers of the motion picture producer Arthur P. Jacobs, best known for the Planet of the Apes series, and the Werner Von Boltensstern postcard collection, which contains over a million cards. The department also houses the Research Collection of the Thomas and Dorothy Leavey Center for the Study of Los Angeles which collects research materials relating to local public officials, post-World War II developers, late twentieth-century reformers, and prominent Catholic families.

The Digital Library Program currently comprises the Digital Collections and Digital Commons @ Loyola Marymount University and Loyola Law School, and Digital Scholarship. The Digital Collections showcase digitized materials from the Department of Archives and Special Collections, contain materials in various formats, and cover a variety of subject areas including the history of Southern California, Catholicism in Los Angeles, and Loyola Marymount University; postcards from around the world; medieval manuscripts and more. Digital Commons is an initiative of the William H. Hannon Library and the William M. Rains Library. The repository serves faculty and institutional interests by collecting, organizing, preserving, and disseminating faculty and student scholarship and creative works in a digital, open-access environment. It also serves as the platform for the publication of the university's law and other academic journals. The Digital Library Program also supports and facilitates digital scholarship and digital humanities on campus.

Information literacy—the ability to identify information needs, locate and access relevant information, and critically evaluate a diverse array of sources—is a key skill embedded throughout all four years of the LMU Core Curriculum. Our librarians collaborate closely with LMU faculty to offer expert, customized instruction to help LMU students develop and hone their research and critical thinking skills in every discipline. In addition to library instruction integrated into the classroom, expert help is available from a librarian in person at our Information Desk, and 24/7 via chat, text-message, email, or phone.

The library also contributes to the education of the whole person through a robust and diverse lineup of cultural and intellectual programming and exhibitions. We team up with campus partners throughout the academic year to offer entertaining and educational author talks, discussions, receptions, installations, and performances designed to highlight our library collections and the research and creative works of our LMU students and faculty.

## Academic Awards and Commencement Honors

### Dean's List

The Dean's List is an honorary academic acknowledgment for undergraduate students which is printed on the transcript at the end of the Fall and Spring semesters. The list consists of full-time, degree-seeking undergraduate students who must have in a term:

- Completed all courses, with minimum of 14 semester hours at LMU
- Received letter grades in at least 12 semester hours of which none is an "F"
- Earned a cumulative term grade point average of 3.50 or higher

### Latin Honors

Honors at commencement are determined by the LMU cumulative grade point average at the time the degree is granted. Only honors earned by merit of academic performance at LMU will appear on the student's record. These honors are entered on the transcript and are inscribed on the diploma.

To be eligible for academic honors at commencement, an undergraduate student must have completed at least 60 semester hours toward the baccalaureate degree on a graded basis (Credit/No Credit courses are excluded) at LMU.

The following grade point averages are required for the honors indicated:

3.9	Summa Cum Laude
3.7	Magna Cum Laude
3.5	Cum Laude

Eligible students for honors at May commencement received a degree on the previous August 31 or December 31 degree date, or must be a degree candidate for honors in May. An indication of honors pending at graduation printed in the commencement program is unofficial. The final determination will be made after a review of all completed undergraduate courses counted toward the degree.

### University Academic Awards

For undergraduate students to be eligible for academic awards presented at the May Commencement ceremony, they must have either graduated in the previous Summer or Fall term or be a candidate for graduation for May.

#### The University Scholar of the Year Award

Presented to the student who, in the four-year undergraduate program at LMU, is determined to have achieved the best overall academic record in the graduating class.

#### The Ignatian Award

Awarded to the graduating senior man who has achieved well academically and who has distinguished himself in leadership and service to the student body and the University.

#### The Marian Award

Awarded to the graduating senior woman who has achieved well academically and who has distinguished herself in leadership and service to the student body and the University.

#### The Valedictorian Award

Presented to the student who, in the four-year undergraduate program, is chosen after a presentation to the Valedictorian Committee to give the Valedictorian Address at the Undergraduate Commencement Exercises.

### Presidential Citations

Presented to outstanding graduating seniors who have combined excellence in the classroom with effective service and leadership in the University community.

### University Honor Societies

Loyola Marymount University sponsors numerous honor societies to recognize significant academic achievement of its students.

#### Alpha Kappa Delta Sociology Society

Established at LMU in 1997, Alpha Kappa Delta is an academic organization dedicated to the study of sociology, the research of social problems, and other social and intellectual activities. It promotes the development of scholastic and leadership skills within the framework of a national honor society and the Department of Sociology. It was founded in 1920 at the University of Southern California.

#### Alpha Sigma Nu Jesuit Honor Society

Alpha Sigma Nu is a national honor society for men and women founded in 1915 at Marquette University. The society was organized to honor students from Jesuit colleges and universities who have distinguished themselves in scholarship, loyalty, and service to the University. A limited number of juniors and seniors is selected for membership each year. The society offers its services to the University, particularly in an effort to stimulate intellectual interest and accomplishment. It was established at LMU in 1939.

#### Beta Beta Beta Biology Society

Since its inception at Oklahoma City University in 1922, Beta Beta Beta has been a society for students dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. The society has been at LMU since 1999.

#### Beta Gamma Sigma Business Society

The establishment of the first national honor society for business students was the result of the 1913 merger of three separate societies from the University of Wisconsin, University of Illinois, and University of California. Beta Gamma Sigma is an international honor society recognizing the outstanding academic achievements of students enrolled in collegiate business and management programs. LMU's chapter started in 1982.

#### Eta Sigma Phi Classics Society

Established at the University of Chicago in 1914, Eta Sigma Phi became recognized as a national honors society in 1924. The LMU chapter was established in 2007. Eta Sigma Phi is the national honorary collegiate society for students of Latin and/or Greek intended to develop interest in classical study among the students of colleges and universities and promote closer relationships among students who are interested in classical study.

#### Gamma Kappa Alpha National Italian Honor Society

Gamma Kappa Alpha acknowledges superior scholastic performance in the field of Italian language, literature, and culture, and is open to membership at institutions of higher learning in the United States and Canada. The Society encourages college students to acquire a greater interest in, and a deeper understanding of, Italian culture, art, and history. It was founded at Nazareth College in Rochester, NY, in 1983 and established at LMU in 1998.

#### Kappa Delta Pi International Honor Society in Education

The Kappa Delta Pi International Honor Society in Education was founded in 1911 at the University of Illinois and established at LMU in 1996. It is dedicated to recognizing scholarship and excellence in

education, promoting development and dissemination of worthy educational ideas and practices, and enhancing the continuous growth and leadership of its diverse membership.

#### **Lambda Pi Eta Communication Studies Society**

Founded at the University of Arkansas in 1985, this society later became the official honor society of the National Communication Association. Taking its name from the three elements of persuasion as described in Aristotle's Rhetoric, it functions to foster development among students and professionals in the field.

#### **Omicron Delta Epsilon Economics Society**

Omicron Delta Epsilon is an international honor society for economics that was created in 1963 through the merger of two honor societies, Omicron Delta Gamma and Omicron Chi Epsilon. The LMU chapter was established in 1990. This society recognizes scholastic attainment and honor outstanding achievements in economics and intends to establish of closer ties between students and faculty in economics within colleges and universities.

#### **Phi Alpha Theta History Society**

Established at the University of Arkansas in 1921, Phi Alpha Theta is a professional society whose mission is to promote the study of history through the encouragement of research, teaching, publication, and the exchange of learning and ideas among historians. The LMU chapter started in 1968.

#### **Phi Sigma Tau Philosophy Society**

The purpose of Phi Sigma Tau is to serve as a means of awarding distinction to students having high scholarship and personal interest in philosophy and to promote student interest in research and advanced study in this field. It was founded at Muhlenberg College in 1930, incorporated in 1955, and became active at LMU in 1987.

#### **Pi Delta Phi French Honor Society**

This society was established in 1906 at the University of California at Berkeley, with the goals of recognizing outstanding scholarship in French language and literature and increasing knowledge of the contribution of French-speaking countries to world culture. LMU's chapter began in 1969.

#### **Pi Mu Epsilon Mathematics Society**

Pi Mu Epsilon is an honorary national mathematics society founded at Syracuse University in 1914, with the purpose of promoting scholarly activity in mathematics among the students in academic institutions. The society was established at LMU in 1975.

#### **Pi Sigma Alpha National Political Science Honor Society**

Pi Sigma Alpha was founded in 1920 at the University of Texas at Austin. Its goal is to stimulate scholarship and intelligent interest in the field of political science. LMU's chapter was established in 1998.

#### **Psi Chi Psychology Society**

Psi Chi Psychology Society was established in 1929 at Yale for the purposes of encouraging, stimulating, and maintaining excellence in scholarship and advancing the science of psychology. LMU started a chapter of the society in 1979.

#### **Sigma Delta Pi Hispanic Society**

Sigma Delta Pi, the National Collegiate Hispanic Honor Society, was established in 1919 at the University of California at Berkeley. Its goals include honoring those who attain excellence in the study of the Spanish language and encouraging university students to acquire a greater interest in and a deeper understanding of Hispanic culture. LMU's chapter became active in 1972.

#### **Sigma Pi Sigma National Physics Honor Society**

Founded at Davidson College, North Carolina, in 1921, Sigma Pi Sigma exists to honor outstanding scholarship in physics, to encourage interest in physics among students at all levels, to promote an attitude of service of its members towards their fellow

students and colleagues and to the public, and to provide a fellowship of persons who have excelled in physics. The society was established at LMU in 1979.

#### **Sigma Tau Delta English Society**

Founded at Dakota Wesleyan College in 1924 and established at LMU in 1994, Sigma Tau Delta members are expected to have superior creative talent and to have an interest in literature and language beyond the classroom. They are dedicated to providing cultural and intellectual enlightenment in a community of others who have similar talents and interests.

#### **Sigma Xi Scientific Research Society**

At LMU since 1967, Sigma Xi endeavors to encourage support of academic achievement and original work in science and technology and to promote an appreciation within society at large for the role research has played in human progress. Founded at Cornell University in 1886, it is among the oldest such societies in the nation.

#### **Tau Beta Pi Engineering Society**

This national engineering honor society was founded at Lehigh University in 1885 to honor students displaying excellence in scholarship and exemplary character as undergraduates in engineering and to foster a spirit of liberal culture in engineering colleges. The LMU chapter was established in 1974.

#### **Theta Alpha Kappa Religious Studies Society**

Founded in 1976 at Manhattan College, Theta Alpha Kappa is the only national honor society recognizing excellence of students involved in the study of religion and theology. The society was established at LMU in 1981.

### **College, School, Departmental, and Program Awards**

#### **The College or School Scholar Awards**

Presented to the top graduating senior who has achieved the highest academic record in the Bellarmine College of Liberal Arts (The Erlandson Award), the College of Business Administration, the College of Communication and Fine Arts, the Frank R. Seaver College of Science and Engineering, the School of Education, and the School of Film and Television.

#### **The Clinton J. Albertson, S.J., University Honors Program Award**

Presented to an outstanding graduating student in the University Honors Program.

#### **The American Chemical Society Analytical Division Award**

Given to the third-year student who has demonstrated excellence in analytical chemistry and displays an aptitude for a career in the field.

#### **The American Chemical Society Organic Division Award**

Given to the outstanding student of two semesters of organic chemistry.

#### **The American Institute of Chemists Award (Biochemistry and Chemistry)**

The gift of the Western Chapter of the American Institute of Chemists presented to the graduating senior who, in the opinion of the faculty of the Department of Chemistry, is deserving of special recognition for leadership, character, and excellence in scholarship.

#### **The Samuel Z. Arkoff Awards**

The gift of Samuel Z. Arkoff, awarded annually in two categories of achievement: best film and best full-length film script by an undergraduate student.

#### **The Virginia Barnelle Theatre Arts Award**

Given to a continuing senior who has demonstrated superior academic achievement, outstanding service to the program and University at large, and in recognition of excellence in the field of Theatre Arts.

#### **The Leonard Simon Blenkiron English Award**

The gift of Mrs. Mae Emma Blenkiron, in memory of her husband, Leonard Simon Blenkiron, awarded to a senior English major for excellence in English.

#### **The Sister Regina Buchholz, S.C.R.H., Art and Art History Award**

Presented in honor of Sister Regina Buchholz, S.C.R.H., former Professor of Art, by the Department of Art and Art History, to a senior Studio Arts major in recognition of excellence in the field of art and of service to the University.

#### **Sr. Martin Byrne Award in Business Administration**

#### **The Caloyeras Center Summer Scholarship**

This all-expenses-paid summer scholarship to study in Greece is awarded to a student in the Modern Greek Studies Program who has demonstrated superior academic achievement.

#### **The Peter B. Caloyeras Scholarships**

The Basil P. Caloyeras Center offers five annual scholarships for the Odyssey Summer Study in Greece Program. The scholarships are a gift to LMU by Basil P. Caloyeras in memory of his father, Peter, and are awarded based on academic excellence and financial need.

#### **The Stanley Chan Political Science Award**

Given to the outstanding graduate of the Political Science Department who demonstrates superior academic achievement, outstanding service to the University, and commitment to Judeo-Christian values.

#### **The CRC Press First-Year Chemistry Award**

Given to the outstanding student of two semesters of first-year general chemistry.

#### **The Delta Sigma Pi Scholarship Key**

The gift of the local chapter of Delta Sigma Pi to a business student for academic excellence and leadership potential.

#### **The Dockweiler Gold Medal for History**

The gift of Mrs. Henry I. Dockweiler awarded annually to the graduating senior who has achieved general excellence in the field of history and in service to the University.

#### **The Jerome K. Doolan Endowed Engineering Award**

The gift of Mr. and Mrs. Jerome K. Doolan, awarded to the graduating senior engineer, who, by reasons of his or her scholarship, participation in student activities, and promise of future success in his chosen profession, shall have been judged deserving of special recognition.

#### **The Financial Executives Medallion Awards**

Presented by the Financial Executives Institute, recognizing the top student in the field of finance for the four years of study.

#### **The Finnegan-Reiland Education Award**

Named in honor of two former professors of the School of Education, the award recognizes distinction in student teaching, superior scholastic achievement, and service to others.

#### **Garvin Marketing Scholarship**

#### **The St. Genisius Theatre Arts Performance Award**

Given to a graduating senior who has demonstrated outstanding achievement in theatre arts performance exemplifying the University ideals of faith, action, and the education of the whole person.

#### **The Graham Alumni Award**

#### **The Barbara and Hugh Gray Award for Greek Studies**

Presented by the Basil P. Caloyeras Center for Modern Greek Studies to the author of the best paper on Modern Greek Studies.

#### **Greek Scholar of the Year**

#### **The Jack Haley, Jr., Film Award**

Originally created by Jack Haley, Sr., and now supported by a grant from Jack Haley, Jr. Designed to foster and encourage excellence in student film production.

#### **History Department Chair's Award for Non-Majors**

#### **The Carl G. Kadner Biology Award**

Presented to the graduating senior who has achieved academic excellence, exhibited strong leadership, and provided dedicated service to the Biology Department.

#### **Kalbfleisch Award in Physics**

#### **The Jerome J. Korth Award**

Presented to the graduating senior in the Frank R. Seaver College of Science and Engineering with the highest grade point average in the University's core curriculum.

#### **Fr. Terrance Mahan, S.J., Award in American History**

#### **The Marketing Student Award**

Presented by the Loyola Marymount Collegiate Chapter of the American Marketing Association to the senior with outstanding participation, academic achievement, and career potential in marketing.

#### **The Marie Anne Mayeski Award in Theological Studies**

#### **Noyce Scholars**

#### **The John O'Neill, S.J., Department of Classics and Archaeology Award**

#### **Dr. Thomas D. Pitts Biology Award**

A gift of the alumni, honoring Dr. Thomas D. Pitts, Professor of Biology from 1948-1974, to a graduating senior in the Department of Biology who has shown a growth to academic excellence and provided service to the University.

#### **Sr. Margaret A. Renehan, RSHM, Award in World History**

#### **Paul Salamunovich Choral Excellence Award**

#### **The Alan Seydoux Memorial Biology Award**

Given to a graduating senior who has achieved excellence in the area of field or marine biology and who has provided service to the University.

#### **Richard Trame, S.J., Music Award**

Presented to the outstanding senior woman and man graduating from the Department of Music for outstanding musical, academic, and professional development and contribution.

#### **The Mary Tsassis European History Award**

Presented by the Basil P. Caloyeras Center for Modern Greek Studies to the graduating senior who has demonstrated excellence in European history.

#### **Anthony F. Turhollow Award for Distinguished Leadership**

#### **The Wall Street Journal Student Achievement Economics Awards**

The gift of Dow Jones & Company, publishers of the *Wall Street Journal*, to be given to the senior who ranks highest in finance and in economics.

### **Special Awards**

#### **The AFROTC Award**

The gift of the President of Loyola Marymount University to the graduating senior in the Air Force ROTC who exemplifies the high ideals of the University through leadership and service to AFROTC, the school, and the community.

#### **Eugene Escallier Foreign Study Scholarship Award**

An endowed gift of Lucien Escallier to a full-time junior or senior student for educational enrichment through travel and foreign study within the area where western culture was born.

#### **Rev. James N. Loughran, S.J., Award for Community Service**

Presented to the outstanding graduating senior in good academic standing who, through his/her leadership, activities, and involvement

with the community beyond the campus and throughout his or her years at Loyola Marymount University, has improved relations between the community and the University and has created a positive view of Loyola Marymount University. The recipient has exemplified Jesuit and Marymount ideals of hard work and generosity, has had a significant impact in off-campus service, and has given promise of selfless and effective leadership in the years ahead.

#### **Sr. Raymunde McKay, R.S.H.M., Service and Leadership Award for Seniors**

Presented to graduating seniors in good academic standing who, during their years at Loyola Marymount, have excelled as leaders and servants. The recipients of the McKay Award have: been instrumental in initiating change; taken on leadership roles that have motivated their peers to challenge themselves and others; enriched the quality of University life by building school spirit and by creating a positive and respectful community; and given selflessly of their time and energy in an attempt to make the world—that of the University, local community, and nation—a better place.

# University Honors Program

All University Colleges

## Director

Vandana Thadani

## Associate Director

John David N. Dionisio

## Senior Program Coordinator

Sara Alongi

## Objectives

The University Honors Program at Loyola Marymount University seeks to offer academically outstanding students with intellectually creative, rigorous courses that promote a life-long love of learning and the intellectual habits required to serve others. The sequence of courses culminates in a Senior Thesis project (either HNRS 4100 or a Senior Thesis/Project completed through a course in their major), prepared under the guidance of a faculty mentor. Honors students are strongly encouraged to present their work either at the LMU Undergraduate Research Symposium or at national conferences in their discipline. Selected students will have the opportunity to attend and present work at the annual conferences for the National Collegiate Honors Council (NCHC) and the Association of Jesuit Colleges and Universities (AJCU).

For more on the program, including how to apply, please consult the description of the University Honors Program in the Academic Programs and Services section of the Bulletin, or look at the program's website at <http://academics.lmu.edu/honors>.

## Program Requirements

Students in the University Honors Program replace the University Core with the University Honors Core. Where sections are designated as "Honors" (indicated also with an asterisk), Honors students must enroll in courses with HNRS course numbers.

### For Students from All Colleges EXCEPT Frank R. Seaver College of Science and Engineering

#### Foundations (Years 1-2)

\* Honors Colloquium: Introduction to Honors (1 semester hour)

First Year Seminar (must enroll in a section restricted to Honors)

\* Honors Philosophical Inquiry

\* Honors Theological inquiry

Studies in American Diversity (taken from the University Core)

University Honors students must demonstrate proficiency in a foreign language. This requirement is met through coursework at the intermediate level of a foreign language (e.g., completion of 203 or 1102/2102 level courses in the Modern Languages), AP credits toward language courses as determined by the Office of the Registrar, or by examination. International students fulfill this requirement by TOEFL proficiency in English as a Second Language.

#### Explorations (Years 2-3)

\* Honors Colloquium: Research and Exhibition (1 semester hour)

\* Honors Literary Analysis

\* Honors Historical Analysis

\* Honors Nature of Science, Technology, and Mathematics

Creative Experience (taken from the University Core)

Understanding Human Behavior (taken from the University Core)

#### Integrations (Years 3-4)

\* Honors Colloquium: Post-Baccalaureate Success Seminar (1 semester hour)

\* Honors Ethics and Justice

Faith and Reason (taken from the University Core)

\* Honors Thesis (or thesis/capstone project developed through a capstone course in the major). Note that a capstone *course* in the major will not satisfy the thesis requirement unless it culminates in a thesis or project. Students fulfilling the thesis requirement through a course in the major must obtain prior approval from the Honors Director or Associate Director.

\* Honors Portfolio and Assessment (0 semester hours)

### For Students from Frank R. Seaver College of Science and Engineering

#### Foundations (Years 1-2)

\* Honors Colloquium: Introduction to Honors (1 semester hour)

First Year Seminar (must enroll in a section restricted to Honors)

\* Honors Philosophical Inquiry

\* Honors Theological inquiry

Studies in American Diversity (taken from the University Core)

University Honors students must demonstrate proficiency in a foreign language. This requirement is met through coursework at the intermediate level of a foreign language (e.g., completion of 203 or 1102/2102 level courses in the Modern Languages), AP credits toward language courses as determined by the Office of the Registrar, or by examination. International students fulfill this requirement by TOEFL proficiency in English as a Second Language.

#### Explorations (Years 2-3)

\* Honors Colloquium: Research and Exhibition (1 semester hour)

\* Honors Literary Analysis

\* Honors Historical Analysis

#### Integrations (Years 3-4)

\* Honors Colloquium: Post-Baccalaureate Success Seminar (1 semester hour)

\* Honors Ethics and Justice

Faith and Reason (taken from the University Core)

\* Honors Thesis (or thesis/capstone project developed through a capstone course in the major). Note that a capstone *course* in the major will not satisfy the thesis requirement unless it culminates in a thesis or project. Students fulfilling the thesis requirement through a course in the major must obtain prior approval from the Honors Director or Associate Director.

\* Honors Portfolio and Assessment (0 semester hours)

### AP and IB Equivalencies

The University Honors Program offers HNRS credit for AP and IB tests in the appropriate areas in accordance to LMU's AP and IB equivalences. However, Honors sections of courses—specifically Honors Literary Analysis; Honors Historical Analysis; and Honors Nature of Science, Technology, and Mathematics—may not be satisfied through AP credit. AP credit in a foreign language may be used to fulfill the Honors language requirement.

### Liberal Studies Students

Students who are working toward elementary education credentials need to meet with the Honors Director to determine the best coursework path. Decisions about courses will be made in consultation with the Center for Undergraduate Teacher Preparation.

### Additional Notes

The University Honors Program does not require flags or courses in Rhetorical Arts, Quantitative Reasoning, and Interdisciplinary Connections.

# Bellarmino College of Liberal Arts

## Administration

**Dean:** Robbin D. Crabtree

**Associate Deans:** Jennifer Eich, Richard Fox, Michael Horan

**Assistant Deans:** Shannon Pascual, Emily Schlam

## Mission of the Bellarmine College of Liberal Arts (BCLA)

The Bellarmine College of Liberal Arts embodies the wider University goals of liberal education and commitment to Roman Catholicism and the Judeo-Christian traditions. Our courses represent the heart of the University's core curriculum for all undergraduates. Our curriculum liberates the mind, nourishes the spirit, and cultivates creativity for the challenges of today and tomorrow.

## The Inherent, Enduring, and Practical Value of the Liberal Arts

BCLA is the oldest and largest school at LMU and the liberal arts is at the heart of the LMU undergraduate education for all our students. We have 25 degree programs and 31 minors that will help you sharpen your intellectual capacity, gain deep content knowledge, and practice the marketable skills—such as critical thinking, writing, diversity awareness, and teamwork—that are highly valued by employers. In fact, the overwhelming majority of employers prefer to hire people who demonstrate the outcomes from a liberal arts education. Liberal arts graduates have similar peak earnings as business and pre-professional majors, and are more likely to pursue graduate degrees.

- Think about the ideas, traditions, and institutions that influence our culture and society
- Engage in exciting community-based and experiential learning opportunities
- Prepare to work in the widest range of professions and become career-ready
- Build your capacity for citizenship and engagement with the world
- Be able to personalize your studies by combining majors and minors.

The liberal arts will stimulate your curiosity, broaden your horizons, deepen your self-awareness, enhance your moral principles and ethical reasoning, and develop habits for lifelong learning.

## BCLA Student Learning Outcomes

By virtue of their liberal arts courses, LMU students should understand:

- The various ways in which knowledge is established and integrated
- The broad outlines of human history and the interconnectedness of the world
- The philosophical and theological dimensions of our intellectual traditions.

By virtue of their liberal arts courses, LMU students should be able to:

- Demonstrate written and oral competencies
- Synthesize and apply knowledge to solve problems, personal and social
- Interact cross-culturally and pursue justice, locally and globally.

By virtue of their liberal arts courses, LMU students should value:

- The life of the mind, enhanced self-awareness and social awareness
- Critical reflection that leads to thoughtful action
- Diversity, responsibility, justice, and globally sound human practice.

Similarly, BCLA students attain the learning outcomes of their majors and minors, found in the following program descriptions.

## Organization of the College

The College offers undergraduate majors and/or minors in the following fields of learning:

African American Studies	AFAM
Asian Pacific American Studies	APAM
Asian and Pacific Studies	ASPA
Catholic Studies	CATH
Chicano/a Studies	CLST
Chinese	CHIN
Classics and Archaeology	CLAR
Economics	ECON
English	ENGL
Environmental Studies	EVST
Ethics	ETHC
European Studies	EURO
French	FREN
German	GRMN
History	HIST
Humanities	HMNT
Individualized Studies	ISLA
International Relations	INRL
Italian	ITAL
Irish Studies	IRST
Jewish Studies	JWST
Journalism	JRNL
Liberal Studies (Elementary Education)	LBST

Modern Greek Studies	MDGK
Modern Languages	MDLL
Peace Studies	PCST
Philosophy	PHIL
Political Science	POLS
Psychology	PSYC
Sociology	SOCL
Spanish	SPAN
Theological Studies	THST
Urban Studies	URBN
Women's and Gender Studies	WGST

Master's level graduate programs are offered in the following fields:

- |   |             |
|---|-------------|
| <p>1. Bioethics</p> <p>M.A. in Bioethics</p> <p>Graduate Certificate in Bioethics</p>   | <p>BIOE</p> |
| <p>2. English</p> <p>With emphasis in:</p> <p>Literature,</p> <p>Creative Writing,</p> <p><i>or</i></p> <p>Rhetoric and Composition</p>   | <p>ENGL</p> |
| <p>3. Philosophy</p>  | <p>PHIL</p> |
| <p>4. Theological Studies</p> <p>M.A. in Theology</p> <p>Concentration in Comparative Theology option</p> <p>M.A. in Pastoral Theology</p> <p>Concentration in Pastoral Leadership option</p> <p><i>or</i></p> <p>Concentration in Spiritual Direction option</p> | <p>THST</p> |
| <p>5. Yoga Studies</p>  | <p>YGST</p> |

M.A. in Yoga Studies

### Application of General University Requirements

The University requirements for admission, graduation, and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the Bellarmine College of Liberal Arts.

### Degree Requirements for a Baccalaureate Degree in the Bellarmine College of Liberal Arts

The degree program has three components: core, major, and electives. The core curriculum, which is taken throughout the four-year program, provides educational breadth and embodies Loyola Marymount's educational mission and vision. The major provides a field of concentration that develops a depth of understanding in the humanities or social sciences. Finally, up to one-third of the program is made up of electives. This provides the opportunity for exploring fields of study complementary to the major or for developing expertise in a second major or minor.

### All BCLA students should be aware of the following policies:

124 semester hours are required for graduation with the following distribution: a) at least 45 semester hours of upper division, and b) a **maximum of 32 upper division semester hours or no more than two upper division courses beyond the major requirements in any one department** will be accepted toward graduation requirements.

Enrollment by degree-seeking students at another institution at the same time they are enrolled at LMU is not permitted. Courses taken concurrently elsewhere will not be accepted toward degree requirements in BCLA. See Financial Aid policies for additional restrictions.

The Bellarmine College of Liberal Arts accepts a maximum of two semester hours of physical education only upon entrance for a new transfer student. Other physical education hours do not count toward degree requirements.

A maximum of 10 semester hours of Aerospace Studies credit will be accepted.

Students should consult the Dean's Office for specific policies applicable to the Bellarmine College of Liberal Arts.

### Students Interested in Teaching in California Public Schools

Students wishing to teach grades K-5 in California public schools are required to obtain a Multiple Subjects Subject Matter Teaching Credential and demonstrate "subject matter competence" to teach the many subjects commonly taught in elementary school. Subject matter competence must be demonstrated by passing the California Subject Examination for Teachers (CSET). To prepare for this examination, students complete the requirements of the Liberal Studies Bachelor's of Arts degree in the Bellarmine College of Liberal Arts. Students interested in the Liberal Studies degree program should consult a Liberal Studies advisor.

Students wishing to teach in grades 6-12 in California public schools are required to obtain a Single Subject Credential and demonstrate "subject matter competence" to teach a particular subject (e.g., English, Social Studies, Foreign Language, Mathematics, or Science). Subject matter competence can be demonstrated by either passing a national exam or by successfully completing an approved subject matter preparation program in English. Students interested in teaching English at the 6-12 grades levels should consult the English Subject Matter advisor in the English Department. The Frank R. Seaver College of Science and Engineering offers an approved single subject preparation program in mathematics. Students interested in teaching mathematics should consult an advisor in the Mathematics Department. Subject matter

preparation programs in science and French are pending, whereas Spanish and the social sciences have been approved.

A Multiple Subjects Subject Matter or Single Subject Matter teaching credential can be earned concurrently with a Bachelor's degree. Except for Liberal Studies majors, students may declare a minor in Education and begin taking Education courses after completion of 30 semester hours (first semester Sophomore standing). In order to maximize the full potential of taking Education courses with the undergraduate program, students are strongly encouraged to declare the Education minor early in their career. Credential programs are also available in Special Education (K-12) and Bilingual Education (Spanish, K-12). For more information on Education programs, see the School of Education section in this Bulletin.

### Secondary Teacher Preparation Programs

For information on these programs, see the Center for Undergraduate Teaching Preparation section in this Bulletin.

### African American Studies

#### Faculty

Chairperson: Eliza Rodriguez y Gibson

Associate Professor: Adilifu Nama

Assistant Professor: Marne L. Campbell

### African American Studies, B.A.

#### Objectives

The Department of African American Studies at LMU is devoted to the scholarly examination of the social, cultural, economic, political, and spiritual forces that impact the lives of people of African descent in the Americas and, in turn, the communities they create. AFAM and its curriculum provide students with an explanatory framework through which they can analyze not only the historical and contemporary experiences of peoples of African descent but also those of the wider human community in a global and increasingly diverse society.

By examining the lived experiences of Africans in America and throughout the Diaspora from the perspective of various disciplines, students develop a deeper understanding of themselves and their interactions within a diverse society. Thus, African American Studies provides students with an excellent preparation for graduate study, professional schools, social advocacy and activism to promote social justice, and numerous employment opportunities (e.g., law, education, counseling, entertainment, social work, public relations, business, etc.) that require a Bachelor of Arts degree.

#### African American Studies Student Learning Outcomes

By virtue of exposure to African American Studies courses, African American Studies students should know:

- The general history of African American people in the U.S. and the Diaspora
- A basic comprehension of the Black Aesthetic
- The significance of Black people of America and the global community
- A critical understanding of the systemic forces that impact traditional institutions within the Black community;

African American Studies students should be able to:

- Demonstrate written competency in the analysis of theories and practices concerning Black racial formations

- Demonstrate oral competency in the analysis of theories and practices concerning Black racial formations
- Use and interpret data and other social facts to answer research questions pertaining to African American interests;

African American Studies students should value:

- The role of African American Studies in and by direct engagement with Black communities
- The dignity of Black people, institutions, and practices
- The concept of diversity in the modern and complex world in which we live.

### Major Requirements

#### Lower Division Required Courses:

- AFAM 1211 Introduction to African American Studies 4 semester hours
- AFAM 2221 Black Cultural Arts 4 semester hours
- AFAM 2243 Social Science Research Methods 4 semester hours

#### Upper Division Required Courses:

- AFAM 3211 African American History 4 semester hours
- AFAM 3621 African American Literature 4 semester hours
- AFAM 3643 Sociology of the Black Community 4 semester hours
- AFAM 4641 Capstone Project 4 semester hours

#### Electives:

Eight (8) semester hours in AFAM courses, four (4) of which must be Upper Division. Students may count Gospel Choir courses as Lower Division electives for the Major.

### African American Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as AFAM major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- AFAM 1211 Introduction to African American Studies 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

##### Spring Semester

- AFAM 2221 Black Cultural Arts 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

## Sophomore Year

### Fall Semester

- AFAM 2243 Social Science Research Methods 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- AFAM 3211 African American History 4 semester hours
- University Core 3-4 semester hours
- AFAM Elective 4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

## Junior Year

### Fall Semester

- AFAM 3621 African American Literature 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- AFAM 3643 Sociology of the Black Community 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

## Senior Year

### Fall Semester

- AFAM Upper Division 4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- AFAM 4641 Capstone Project 4 semester hours
- Upper Division Elective 3-4 semester hours

- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

## African American Studies Minor

### Minor Requirements

20 semester hours, including AFAM 1211, AFAM 3211, and twelve (12) semester hours of electives, eight (8) of which must be upper division. An average grade of C (2.0) must be obtained in the courses included in the minor. Students may count Gospel Choir courses as lower division electives for the Minor.

## Asian and Asian American Studies

### Chairperson

Robin Wang

### Faculty

Professor: Edward J.W. Park

Assistant Professors: Curtiss Takada Rooks, Yanjie Wang

### Introduction

Asian and Asian American Studies (AAAS) is an interdisciplinary department which was created in Fall 2016 through the merger of two programs, Asian and Pacific Studies (ASPA) and Asian Pacific American Studies (APAM). Seeking to promote Loyola Marymount University's Mission amidst changing local, national, and international realities, its faculty uses the exploration of cultural, political, socioeconomic, and religious issues in Asia and the United States to educate the whole person and to contribute to the encouragement of learning. In an increasingly transnational world where global citizenship, multicultural awareness, interfaith dialogue, and social justice are emphasized and valued, AAAS offers transformative education by bringing together teacher-scholars and students from different disciplines and fields in the social sciences, the humanities, and the arts to study and to critically analyze the past and the present on both sides of the Pacific.

The department offers a major and a minor in ASPA and a minor in APAM.

## Asian and Pacific Studies, B.A.

### Objectives

Asian and Pacific Studies (ASPA), an interdisciplinary area studies program, provides a general background to the traditions and cultures of Asia and the Pacific as well as an understanding of contemporary issues relating to that region. Furthermore, given the present shift of interest to the Pacific region, it aims to deepen the student's knowledge of Asia and the Pacific or of a country/area through a concentrated study in one academic discipline. This academic program, therefore, is intended to develop the student's personal interest in Asian and Pacific affairs and to prepare her or him for Asia-related career opportunities. Majors and minors in ASPA are encouraged to enroll in LMU's Study Abroad offerings in Asia.

## Asian and Pacific Studies Student Learning Outcomes

- Students will come to understand the cultures of the Asian Pacific region and their contributions to human civilization,

with special attention to distinctively Asian culture and spiritual traditions that originated in this region.

- Students will enhance their competencies by doing original research on topics of concern in the Asian Pacific region, and communicate their findings in both written and oral presentations. Students will also acquire a basic knowledge and skill in an Asian language.
- Students will have the opportunity to develop self-awareness by exploring interactively the relationships between their own cultures and those of the Asian Pacific region.

## Major Requirements

Lower Division Requirements (8 semester hours) including:

- ASPA 2100 Asian Civilizations *4 semester hours*
- HIST 1800 Modern Asia: China, Japan, and Korea since 1600 *4 semester hours*

Language Requirement (8 semester hours):

Study of an Asian language (competence expected is the equivalent of a one-year study, i.e., 8 semester hours). Native speakers of an Asian language may be exempted from the language requirement but will be strongly encouraged to study another language. At LMU, course credit may be obtained for CHIN 2101, CHIN 2102, CHIN 2103, CHIN 2104; FLPN 2101, FLPN 2102, FLPN 2103, FLPN 2104; JAPN 2101, JAPN 2102, JAPN 2103, JAPN 2104. At UCLA, credit may be obtained through the SOCCIS program for Arabic, Korean, and Mongolian.

Upper Division Requirements (24 semester hours):

- ASPA 3200 Masterpieces of East Asian Literature *4 semester hours*
- ASPA 3500 Economic and Political Issues in Contemporary Asia *4 semester hours*
- ASPA 5000 Senior Integrating Seminar *4 semester hours*

Note:

Choose the additional twelve upper division semester hours from ASPA courses or, in consultation with the Chairperson, from courses with substantial content focused on Asia and the Pacific region in other disciplines, including art, business, economics, history, philosophy, political science, and theological studies.

## Asian and Pacific Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as ASPA major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

Fall Semester

- HIST 1800 Modern Asia: China, Japan, and Korea since 1600 *4 semester hours*
- Asian Language *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- Asian Language *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Sophomore Year

Fall Semester

- ASPA 2100 Asian Civilizations *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

### Junior Year

Fall Semester

- ASPA 3200 Masterpieces of East Asian Literature *4 semester hours*
- ASPA Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- ASPA 3500 Economic and Political Issues in Contemporary Asia *4 semester hours*
- ASPA Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Senior Year

## Fall Semester

- ASPA Upper Division 4 semester hours
- ASPA Upper Division 4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

## Spring Semester

- ASPA 5000 Senior Integrating Seminar 4 semester hours
- ASPA Upper Division 4 semester hours
- Upper Division Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

## Upper Division Electives

Bellarmine College of Liberal Arts:

- APAM 2371 Asian Pacific American Literature 4 semester hours
- APAM 2417 Contemporary Issues of Asian Pacific Americans 4 semester hours
- APAM 4327 Asian American Psychology 4 semester hours
- HIST 4810 Imperial China 4 semester hours
- HIST 4820 Modern China 4 semester hours
- HIST 4840 Modern Japan 4 semester hours
- HIST 5800 Seminar in Asian History 4 semester hours
- PHIL 3565 Chinese Philosophy 4 semester hours
- PHIL 4355 Meditative Gaze: Dao and Film 3 semester hours
- PHIL 4680 Topics in Chinese Philosophy 4 semester hours
- POLS 3420 Political Dynamics of East Asia: Greater China, Japan, and the Koreas 4 semester hours
- THST 3282 Buddhism 4 semester hours
- THST 3283 Hinduism, Jainism, Yoga 4 semester hours
- THST 4080 Topics in Comparative Theology 4 semester hours

College of Communication and Fine Arts:

- ARHS 3341 Arts of Islam 4 semester hours
- ARHS 3351 Arts of Asia 4 semester hours
- ARHS 4301 Arts of India 4 semester hours
- ARHS 4303 Arts of China 4 semester hours
- ARHS 4305 Arts of Southeast Asia 4 semester hours
- ARHS 4307 Arts of Japan 4 semester hours
- DANC 371 Martial Arts 0 TO 2 semester hours (2 semester hours required)
- DANC 374 Yoga I 0 TO 2 semester hours (2 semester hours required)
- MUSC 454 World Music Ensembles I 0 OR 1 semester hours
- MUSC 455 World Music Ensembles II 0 OR 1 semester hours

- THEA 348 Asian Spirit in Drama 3 semester hours

College of Business Administration:

- FNCE 4470 Multinationals and the Third World 3 semester hours
- INBA 3810 International Business 3 semester hours

Note:

Credit is contingent upon substantial work on Asia and/or the Pacific. Check for course prerequisites or requirements.

Additionally, courses in BLAW, ECON, FNCE, MGMT, MRKT, and POLS with an international focus and courses in DANC, ENGL, and MUSC with a world focus and that have substantial work on Asia and/or the Pacific may fulfill upper division hours in the major or minor. Please consult with the Chairperson.

In all cases, check for course prerequisites or requirements.

## Asian and Pacific Studies Minor

### Minor Requirements

16 semester hours

- HIST 1800 Modern Asia: China, Japan, and Korea since 1600 4 semester hours, or
- One Asian Language 4 semester hours, or
- ASPA 2100 Asian Civilizations 4 semester hours, or
- A Foundations course in the University Core curriculum that has substantial content focused on Asia 4 semester hours
- ASPA 5000 Senior Integrating Seminar 4 semester hours
- Asia-related courses 8 semester hours  
In consultation with the Chairperson, the student may choose courses in another College or School, if the courses prove to have substantial content focused on Asia and the Pacific region.

## Asian Pacific American Studies Minor

### Objectives

Asian Pacific American Studies (APAM) supports Loyola Marymount University's commitment to multicultural education. APAM is designed to enhance student understanding of the histories and contemporary issues that impact the lives of Asian Pacific Americans in the United States. People of all races and ethnicities are encouraged to enroll in APAM courses. Only through a critical understanding of our multicultural society can we begin to "live together, learn together, work together, and forge new ties that bind together."

### Asian Pacific American Studies Student Learning Outcomes

- An understanding of the historical contributions of Asian Pacific Americans
- An understanding of contemporary issues facing Asian Pacific American communities
- A knowledge of the ethnic, class, gender, and generational diversity of Asian Pacific Americans

- A knowledge of Asian Pacific American cultural, literary, and artistic expressions

## APAM Minor Requirements

20 semester hours

- APAM Lower Division (8 semester hours required)
- APAM Upper Division (12 semester hours required)

**Note:**

Other courses may be approved with the consent of the Associate Chairperson.

### Bioethics

#### Faculty

Director: Roberto Dell'Oro

#### Contact Information

**Director:** Roberto Dell'Oro

**E-mail:** Roberto.Dell'Oro@lmu.edu

**Program Administrator:** Gianna McMillan

**E-mail:** Gianna.McMillan@lmu.edu

**Administrative Assistant:** David H. Rogoff

**E-mail:** David.Rogoff@lmu.edu

**Website:** www.lmu.edu/bioethics

**Offices:** University Hall 4500

#### Mission Statement

The graduate programs in bioethics at Loyola Marymount University are distinct programs of study leading to a Master of Arts degree or a Graduate Certificate in Bioethics. The programs provide graduate educational opportunities that will enable students to reflect systematically on contemporary issues in bioethics through a challenging liberal arts and sciences curriculum with a commitment to social justice.

#### Admission Requirements

The Master of Arts and Graduate Certificate programs follow the same admission criteria.

Prerequisites:

- Baccalaureate degree or its equivalent
- Undergraduate GPA of at least 3.0

Application Requirements:

- Graduate Division Application
- Two Letters of Recommendation
- Personal Statement
- Short Essay Response
- Two Copies of Official Post-secondary Transcripts
- Test Scores (GRE or MAT)
- A \$50.00 Fee
- Personal Interview (following application completion)

*International Applicants Only:*

- Language Test Scores (TOEFL or IELTS)
- SEVIS I-20 Request Form
- Transcript Translation and Evaluation

The priority deadline for entrance in the Fall term is March 1. Applications received after this deadline will be reviewed on an individual basis.

- **March 1 for entrance in Fall semester**

Students may take graduate courses in non-degree status with permission of the Graduate Director and the Professor.

### Scholarships and Grants

Multiple forms of financial assistance are available. Check our website for more information. The priority deadline for scholarship applications is May 1.

### Bioethics Graduate Certificate

The Graduate Certificate in Bioethics program prepares individuals to deal with the complexities of bioethical issues arising in clinical practice and to become leaders in decision-making about bioethical problems in their respective institutions. A Graduate Certificate in Bioethics can augment clinical practice and prepare healthcare professionals (e.g., physicians, nurses, clinical social workers, pastoral care personnel, hospital administrators, etc.) to serve on medical center bioethics committees.

### Program Requirements

The Graduate Certificate requires a total of 12 semester hours of graduate coursework, completed over a program of 4 three-semester-hour courses.

Required Courses: 12 semester hours

- BIOE 6000 Introduction to Bioethics 3 semester hours
- BIOE 6100 Bioethics at the Beginning of Life 3 semester hours
- BIOE 6200 Law and Bioethics 3 semester hours
- BIOE 6300 Bioethics at the End of Life 3 semester hours

### Bioethics, M.A.

The Master of Arts in Bioethics is a multidisciplinary program that facilitates learning and thinking from an interdisciplinary perspective. It fosters the critical analysis of bioethical topics through the interplay of moral theory and medical practice. An M.A. in Bioethics can prepare students for doctoral study at another institution, or complement other graduate work in fields such as Philosophy, Law, Medicine, Theology, and Spiritual Care.

### Learning Outcomes of the M.A. Program in Bioethics

Graduates of the Bioethics Institute will be able to:

- Understand the basic problems, methods, and approaches to the field of bioethics
- Familiarize with the main ethical theories of bioethics and identify the philosophical components of the public discussion on bioethical issues
- Engage in the critical analysis of bioethical questions and articulate their theoretical and practical dimension
- Recognize and interpret the theological presuppositions of bioethical questions and appreciate the contribution of religious traditions to the field of bioethics
- Appreciate the importance of ethical dialogue across different philosophical traditions
- Become familiar with the clinical context of medicine and recognize the ethical challenges facing health care professionals and their patients today
- Understand the legal and public policy implications of bioethics and become able to understand the interplay of morality and law both at a general level and in relation to specific bioethical issues.

## Degree Requirements

The Master of Arts degree requires a total of thirty semester hours of graduate coursework, completed over a program of 10 three-semester-hour courses, including 7 core and 3 elective courses.

### Required Courses in Bioethics: 30 semester hours

- BIOE 6000 Introduction to Bioethics *3 semester hours*
- BIOE 6100 Bioethics at the Beginning of Life *3 semester hours*
- BIOE 6200 Law and Bioethics *3 semester hours*
- BIOE 6300 Bioethics at the End of Life *3 semester hours*
- BIOE 6400 Clinical Bioethics *3 semester hours*
- BIOE 6500 Elective Topics in Bioethics *3 semester hours (total of 9 semester hours)*
- BIOE 6600 Foundations of Theological Ethics *3 semester hours*
- BIOE 6700 Foundations of Philosophical Ethics *3 semester hours*

### Catholic Studies

#### Director

Marc E. Reeves, S.J.

### Catholic Studies Minor

### Objectives

Catholic Studies is an academic interdisciplinary minor program designed to expose students to the study of the intellectual, social, cultural, and spiritual expressions of Catholicism. It is grounded in Vatican II's discussion of the Church in the modern world, with its focus on human culture, dignity, and justice. On the one hand, Catholic Studies' interdisciplinary nature mirrors the complex diversity that is Catholicism, as it intersects and interacts with history and culture. On the other hand, its intellectual and academic focus gives it purpose and direction as a program intent on studying, exploring, critiquing, and understanding the relationship between faith and culture. Therefore, it welcomes students and professors from any religious background and/or faith commitment and viewpoints.

Catholic Studies students pursue such issues as the influence of Catholicism upon the development of philosophy and the arts; the relationship between Catholicism and the history of world civilizations; the intellectual and ethical issues raised by the interactions of theology, science, and modern culture; Catholic social thought and practice; and the theological foundations of Catholicism. In addition, it offers students opportunities to explore the Ignatian tradition that grounds LMU's founding orders, the Society of Jesus and the Religious of the Sacred Heart of Mary. Moreover, it also makes available opportunities for community service and spiritual activities, expressions of the University's commitment to a faith that does justice. Catholic Studies celebrates Catholicism as a living heritage.

Faculty from a number of LMU's departments, schools, and colleges teach courses cross-listed with Catholic Studies.

### Catholic Studies Student Learning Outcomes

1. Students minoring in Catholic Studies will be given opportunities to learn about Catholicism as an intellectual, social, spiritual, and cultural tradition within the history of ideas.

2. Students minoring in Catholic Studies will be given opportunities to develop
  - a. their ability to do scholarly work on various topics having to do with Catholicism, ranging from theology and philosophy to the creative and critical arts, the humanities, business, and the social and natural sciences
  - b. their ability to appreciate and evaluate Catholic contributions to and expressions in all fields of learning
  - c. their ability to make connections among the many disciplines focusing on Catholicism
3. Students minoring in Catholic Studies will be encouraged to examine and value the distinctive contribution of Catholicism to world civilization.
4. Students minoring in Catholic Studies will be able to draw on their own experience and insights to further their self-reflection.

### CATH Minor Requirements

The Catholic Studies minor program consists of 5 courses, with at least 4 being upper division, structured as follows:

#### A. Foundational Course (1 course):

- CATH 1030 Theological Foundations of Catholicism *4 semester hours* or
- THST 1030 Exploring the Catholic Theological Tradition *4 semester hours*

#### B. Foundations (1 course):

One cross-listed course with core attributes in one of the following: Theological Inquiry, Philosophical Inquiry, or Studies in American Diversity.

#### C. Explorations and Integrations (2 courses):

Two cross-listed courses with core attributes in one or more of the following: Creative Experience, Historical Analysis and Perspectives, Nature of Science, Faith and Reason, Ethics and Justice, or Interdisciplinary Connections.

#### D. Catholic Studies Capstone Course (1 course):

- CATH 4900 Seminar in Catholic Studies *4 semester hours*

#### Note:

A service-learning course with a Catholic focus would replace any one course from the Foundations or Explorations and Integration categories.

### Chicana/o and Latina/o Studies

#### Faculty

Chairperson: Eliza Rodriguez y Gibson  
Professors: Deena J. González, Fernando J. Guerra  
Associate Professor: Eliza Rodriguez y Gibson

### Chicana/o and Latina/o Studies, B.A.

### Objectives

The mission of the Department of Chicana/o and Latina/o Studies at Loyola Marymount University is to engage students in a

transformative education that promotes a critical understanding of the complex and intersecting patterns of racial, sexual, class, and other systems of power and privilege that have historically and contemporarily shaped Chicana/o and Latina/o communities in the United States. The Department is built on an interdisciplinary curriculum that engages recent theoretical and methodological developments in the discipline of Chicana/o and Latina/o Studies. The Department fosters a socially and intellectually engaged environment that prepares students as leaders in a society which is increasingly diverse and which requires expertise about racial, ethnic, class, political, and social differences.

## Chicana/o and Latina/o Studies Student Learning Outcomes

At the end of a course of study, in the major or minor in Chicana/o and Latina/o Studies, students will be able to:

- Interpret, define, and evaluate historical and contemporary information about and representations of Chicana/os and Latina/os;
- Use and apply humanistic, scientific, and/or social science methods, in overlapping methods as appropriate, to arrive at their understandings of Chicana/os and Latina/os;
- Engage recent theories, methodologies, ideas, and developments central to the discipline of Chicana/o and Latina/o Studies, including interdisciplinary methods and multidisciplinary approaches;
- Value engaged learning, life-long education, and leadership for social justice.

## Major Requirements

### Lower Division Requirements:

12 semester hours

- CLST 1116 Introduction to Chicana/o-Latina/o Studies *4 semester hours*
- CLST 1126 Chicana/o Cultural Production *4 semester hours*
- CLST 2206 Introduction to Chicana/o, Latina/o Literature *4 semester hours*

### Upper Division Requirements:

28 semester hours: 16 semester hours in upper division requirements (CLST 3302 or CLST 4404, CLST 3332, CLST 3360, and CLST 5000) and 12 semester hours in Chicana/o Studies upper division electives.

## Chicana/o and Latina/o Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- CLST 1116 Introduction to Chicana/o-Latina/o Studies *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- CLST 1126 Chicana/o Cultural Production *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- CLST 2206 Introduction to Chicana/o, Latina/o Literature *4 semester hours*
- CLST 3360 Chicana/o History *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- CLST 3332 Chicana/o-Latina/o Literature *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- CLST 3302 Chicanas and Latinas in the U.S. *4 semester hours or*
- CLST 4404 Latina Feminist Theory *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- CLST Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Senior Year

## Fall Semester

- CLST Upper Division 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

## Spring Semester

- CLST 5000 Capstone Seminar 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

## Recommended Electives

For the purpose of providing our majors and minors with an interdisciplinary perspective, the Department recommends courses that include a Latino component, such as:

- HIST 4700 Early Mexico 4 semester hours
- SOCL 3221 Race and Ethnic Relations 4 semester hours
- SOCL 3231 Social Stratification 4 semester hours
- SPAN 4252 Hispanic Cultural Studies 4 semester hours
- SPAN 4362 Latin American Cinema 4 semester hours
- SPAN 4475 Spanish of the United States 4 semester hours
- SPAN 4563 Latin American Drama 4 semester hours
- SPAN 4564 Latin American Novel 4 semester hours
- SPAN 4565 Latin American Poetry 4 semester hours
- SPAN 4566 Latin American Short Story 4 semester hours
- SPAN 4567 Latin American Women Writers 4 semester hours
- THST 3232 U.S. Latin@ Theology 4 semester hours

## Chicana/o and Latina/o Studies Minor

### Minor Requirements

24 semester hours:

- CLST 1116 Introduction to Chicana/o-Latina/o Studies 4 semester hours
- CLST 2206 Introduction to Chicana/o, Latina/o Literature 4 semester hours
- CLST 3302 Chicanas and Latinas in the U.S. 4 semester hours or
- CLST 4404 Latina Feminist Theory 4 semester hours
- CLST 3360 Chicana/o History 4 semester hours
- CLST 5000 Capstone Seminar 4 semester hours
- One additional Chicana/o Studies upper division course.

## Classics and Archaeology

### Faculty

Chairperson: Jeffrey Siker

Professors: Matthew Dillon, William J. Fulco, S.J. (National

Endowment for the Humanities Professor of Ancient Mediterranean Studies), Katerina Zacharia  
Assistant Professor: Caroline Sauvage

## Classics and Archaeology, B.A.

### Objectives

The Department of Classics and Archaeology seeks to provide the student with a deeper understanding of the literary and cultural foundations of western societies by exploring their roots in the Greek and Roman classical traditions. Our archaeological offerings extend these investigations of early European cultures into their Near Eastern background and include the hands-on study of ancient artifacts. The combined study of the languages, literature, religion, and material cultures of ancient Greece, Rome, Egypt, and the Near East offers the student a wide-ranging and well-rounded preparation in critical thinking, analytic skills, and writing and prepares the student to contextualize the immense achievements of the past in the modern world. Because of the broad humanistic nature of the programs in Classics and Archaeology, there emerge fundamental questions about what it means to be a human being, and thus the courses in the department offer many interdisciplinary connections with philosophy, theological studies, history, theater, and other academic fields.

### Classics and Archaeology Student Learning Outcomes

As a Classics and Archaeology Major, the student will:

- Demonstrate a broad knowledge of ancient Mediterranean and Near East Civilizations, including such areas as their history, literature (in the original or in translation), and their material culture;
- Be able to critically analyze the cultures of the Mediterranean and Near Eastern world and place them in social and historical contexts, both ancient and modern;
- Develop writing, research and communication skills that are articulate, thoughtful and effective.

### Classics and Archaeology Major: Requirements

The Classics and Archaeology Major consists of 10 courses selected from the following categories:

#### I. Language (2 Courses)

- CLAR 1110 Elementary Greek I 4 semester hours
- CLAR 1120 Elementary Greek II 4 semester hours
- CLAR 1115 Elementary Latin I 4 semester hours
- CLAR 1125 Elementary Latin II 4 semester hours
- CLAR 1130 Biblical Hebrew 4 semester hours
- CLAR 1135 Readings in Classical Hebrew 4 semester hours
- CLAR 2350 Egyptian Hieroglyphics 4 semester hours
- CLAR 2355 Introduction to Near Eastern Languages 4 semester hours
- CLAR 3110 Greek Poetry 4 semester hours
- CLAR 3120 Greek Prose 4 semester hours
- CLAR 3115 Latin Poetry 4 semester hours
- CLAR 3125 Latin Prose 4 semester hours

#### II. Methodology (1 Course)

- CLAR 2200 Epic Poetry *4 semester hours*
- CLAR 2210 Greek Tragedy in Performance *4 semester hours*
- CLAR 2220 Greek Comedy in Performance *4 semester hours*
- CLAR 2230 Ancient Historians *4 semester hours*
- CLAR 2340 Archaeological Methods and Techniques *4 semester hours*

### III. Survey of the Ancient World (1 Course)

- CLAR 2240 Ancient Greece *4 semester hours*
- CLAR 2250 Ancient Rome *4 semester hours*
- CLAR 2360 Ancient Near East *4 semester hours*
- CLAR 2365 Introduction to Near Eastern Literatures *4 semester hours*

### IV. Myth or Religion (1 Course)

- CLAR 3210 Classical and Near Eastern Myths *4 semester hours*
- CLAR 3220 Greek and Roman Religions *4 semester hours*
- CLAR 3330 Introduction to Near Eastern Religions *4 semester hours*
- CLAR 3340 Religions of Mesopotamia *4 semester hours*
- CLAR 3350 Ancient Egyptian Religion *4 semester hours*

### V. Art and Archaeology (1 Course)

- CLAR 3230 Arts of Greece *3 semester hours*
- CLAR 3240 Arts of Rome *3 semester hours*
- CLAR 3360 Aegean Art and Archaeology *4 semester hours*
- CLAR 3370 Egyptian Art and Archaeology *4 semester hours*
- CLAR 3380 Classical Numismatics *4 semester hours*
- CLAR 3390 Archaeology of the Levant *4 semester hours*

### VI. Interdisciplinary

- CLAR 4210 Axial Age *4 semester hours*
- CLAR 4220 Classical Hellenism, Race, Ethnicity *4 semester hours*
- CLAR 4230 Ancient World on Film *4 semester hours*
- CLAR 4240 Greek Cinema *4 semester hours*
- CLAR 4250 Anne Carson: Classic Iconoclast *4 semester hours*
- CLAR 4270 Representations of Greece: Ancient and Modern *4 semester hours*
- CLAR 4320 Palaces of the Near East *4 semester hours*
- CLAR 4330 Cultures in Contact: Late Bronze Age *4 semester hours*
- CLAR 4340 Archaeology of the Phoenicians *4 semester hours*
- CLAR 4350 Archaeology and the Bible *4 semester hours*
- CLAR 4360 From Greece to Gotham: Archaeology of the Heroes *3 semester hours*
- CLAR 4370 Archaeology Lab *4 semester hours*

- CLAR 4371 Archaeology Lab: Ancient Textiles: From Fiber Production to Social Identity *4 semester hours*
- CLAR 4372 Archaeology Lab: Chalcolithic Culture of the Levant *4 semester hours*
- CLAR 4380 Archaeology Field Experience *1 TO 4 semester hours* (may be repeated for credit)

### VII. Electives (2 Courses)

Choose from courses above, or approved cross-listings with THST, PHIL, HIST, THEA, or ARHS.

### VIII. Capstone Requirement (1 Course + 2 Semester Hours for Research Skills and Capstone Presentation)

- CLAR 4210 Axial Age *4 semester hours*
- CLAR 4220 Classical Hellenism, Race, Ethnicity *4 semester hours*
- CLAR 4320 Palaces of the Near East *4 semester hours*
- CLAR 4330 Cultures in Contact: Late Bronze Age *4 semester hours*
- CLAR 4410 Capstone Research Skills *1 semester hours*
- CLAR 4420 Capstone Presentation *1 semester hours*

### Classics and Archaeology Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- CLAR 1110 Elementary Greek I *4 semester hours* or
- CLAR 1115 Elementary Latin I *4 semester hours* or
- CLAR 1130 Biblical Hebrew *4 semester hours* or
- CLAR 2350 Egyptian Hieroglyphics *4 semester hours*

- CLAR Methodology Course *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- CLAR 1120 Elementary Greek II *4 semester hours* or
- CLAR 1125 Elementary Latin II *4 semester hours* or
- CLAR 1135 Readings in Classical Hebrew *4 semester hours* or
- CLAR 2355 Introduction to Near Eastern Languages *4 semester hours*

- CLAR Survey of the Ancient World *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

## Sophomore Year

### Fall Semester

- CLAR Myth or Religion *4 semester hours*
- CLAR Art and Archaeology *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- CLAR Interdisciplinary *4 semester hours*
- CLAR Elective *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours* or
- Elective *3-4 semester hours*

Total: 14-16 semester hours

## Junior Year

### Fall Semester

- CLAR Upper Division *4 semester hours*
- CLAR Elective *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- CLAR Capstone Research Skills *1 semester hour*
- CLAR Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-17 semester hours

## Senior Year

### Fall Semester

- CLAR Upper Division Capstone *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- CLAR Symposium Capstone Presentation *1 semester hour*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

- Upper Division Elective *3-4 semester hours* or
- Elective *3-4 semester hours*

Total: 13-17 semester hours

## Classics and Archaeology Minor

### Classics and Archaeology Minor: Requirements

The Classics and Archaeology Minor consists of 4 courses, at least two of which must be at the upper division level. Courses may be chosen from an of the following categories:

#### I. Methodologies

- CLAR 2210 Greek Tragedy in Performance *4 semester hours*
- CLAR 2220 Greek Comedy in Performance *4 semester hours*
- CLAR 2230 Ancient Historians *4 semester hours*
- CLAR 2340 Archaeological Methods and Techniques *4 semester hours*
- Any Classical Language course (Greek, Latin, Hieroglyphics)

#### II. Survey of the Ancient World

- CLAR 2240 Ancient Greece *4 semester hours*
- CLAR 2250 Ancient Rome *4 semester hours*
- CLAR 2360 Ancient Near East *4 semester hours*
- CLAR 2365 Introduction to Near Eastern Literatures *4 semester hours*

#### III. Myth/Religions or Art/Archaeology

- CLAR 3210 Classical and Near Eastern Myths *4 semester hours*
- CLAR 3220 Greek and Roman Religions *4 semester hours*
- CLAR 3230 Arts of Greece *3 semester hours*
- CLAR 3240 Arts of Rome *3 semester hours*
- CLAR 3330 Introduction to Near Eastern Religions *4 semester hours*
- CLAR 3340 Religions of Mesopotamia *4 semester hours*
- CLAR 3350 Ancient Egyptian Religion *4 semester hours*
- CLAR 3360 Aegean Art and Archaeology *4 semester hours*
- CLAR 3370 Egyptian Art and Archaeology *4 semester hours*
- CLAR 4350 Archaeology and the Bible *4 semester hours*

#### IV. Art/Archaeology or Interdisciplinary

- CLAR 3380 Classical Numismatics *4 semester hours*
- CLAR 3390 Archaeology of the Levant *4 semester hours*
- CLAR 4210 Axial Age *4 semester hours*
- CLAR 4220 Classical Hellenism, Race, Ethnicity *4 semester hours*
- CLAR 4230 Ancient World on Film *4 semester hours*
- CLAR 4240 Greek Cinema *4 semester hours*

- CLAR 4250 Anne Carson: Classic Iconoclast *4 semester hours*
- CLAR 4270 Representations of Greece: Ancient and Modern *4 semester hours*
- CLAR 4320 Palaces of the Near East *4 semester hours*
- CLAR 4330 Cultures in Contact: Late Bronze Age *4 semester hours*
- CLAR 4340 Archaeology of the Phoenicians *4 semester hours*
- CLAR 4360 From Greece to Gotham: Archaeology of the Heroes *3 semester hours*
- CLAR 4370 Archaeology Lab *4 semester hours*
- CLAR 4371 Archaeology Lab: Ancient Textiles: From Fiber Production to Social Identity *4 semester hours*
- CLAR 4372 Archaeology Lab: Chalcolithic Culture of the Levant *4 semester hours*
- CLAR 4380 Archaeology Field Experience *1 TO 4 semester hours*

## Economics

### Faculty

Chairperson: Jennifer Pate

Professors: James Devine, Andrew Healy, James Konow

Associate Professors: Joseph E. Earley, Zaki Eusufzai, Dorothea K. Herreiner, Jennifer Pate, Robert Singleton

Assistant Professors: Sean D'Evelyn, Thomas Herndon, Prachi Jain, Michelle Miller

### Entry into the Major or Minor

At entry to the University, students declare the major or minor through the Office of Admission. Currently enrolled LMU students wishing to declare the major or minor in Economics must meet with an advisor in the Economics Department. The advisor will sign the student's Change of Program form, provided the student meets certain academic standards that include having a minimum LMU GPA of 2.0 (C), not otherwise being on academic probation, and having passed any economics or mathematics courses that he/she might have already taken with grades that satisfy the minimum requirements for those courses in the major or minor as outlined in the University Bulletin.

### Economics, B.A.

This degree is suitable for pre-law students or those interested in careers in business; education; urban planning; and federal, state, and local government.

### Objectives

Economics focuses on optimal choices and the incentives and constraints that determine decision making for individuals, firms, and institutions. Since unlimited wants generally have to be met by limited means, the study of economics provides a careful analysis and thorough understanding of the processes with which wealth is produced, distributed, and consumed. The economy's importance to all societies and the human condition and the methodological approach of modeling decision making, make economic knowledge useful to many other fields, such as political science, sociology, anthropology, biology, engineering, law, and history. It, thus, is an important field of study and as central to a liberal arts education as it is to a business program.

The study of economics involves (1) the development of theories of economic behavior and their application to new problems; (2) the use of statistics and other evidence to test or add content to existing

theories; (3) the development of perspective on economic institutions, economic history, and the development of economic philosophy. Students are encouraged to engage in independent research on all of these levels.

The Economics Department aims first to prepare our students both with the technical skills required to think deeply about important issues of scarcity in our world and to educate the whole person in accordance with the University mission. Upon completing the major, our students will be able to demonstrate a solid understanding of how incentives shape human behavior, in particular, but not only in the core economics fields of microeconomics, and macroeconomics. In addition, our students will acquire technical skills, particularly in statistics, to complement critical thinking abilities more broadly. They will also have the skills to solve theoretical and real-world problems and be fully prepared for both advanced graduate study and challenging careers.

## Economics Student Learning Outcomes

After finishing the Economics major, students should be able to:

1. See the role of economic and other incentives in shaping human behavior in real-world situations.
2. Understand the principles of microeconomics: uncertainty and risk, constrained optimization, production, distribution, consumption, and markets.
3. Understand the principles of macroeconomics: economic growth, unemployment, inflation, money, interest rates, balance of payments, and exchange rates.
4. Comprehend the structure, development, and impact of economic institutions.
5. Appreciate the ethical concerns that should underlie economic policy: efficiency, fairness, equity, and individual freedom.
6. Separate the normative from the positive content in economics propositions and research, including separating arguments based on special pleading from those aimed at serving the interests of humanity.
7. Use statistics in order to analyze and understand a problem.
8. Possess the mathematical skills needed to understand economic problems.
9. Create or design a model in order to understand an economic problem.
10. Generate or gather real-world data concerning economic issues.
11. Write effectively about economics and communicate to readers clearly and fluently.
12. Orally communicate economic ideas well, presenting theories and evidence clearly.

## Major Requirements:

Students may pursue either a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree. The specific requirements of these degrees are explained below.

Economics majors are required to take one social science course from outside the major. The course may be a lower or upper level course in Geography, Political Science, Sociology, Urban Studies, or any course that satisfies the Understanding Human Behavior requirement of the University Core.

## Lower Division Requirements:

Economics requirements (8-12 semester hours):

- ECON 1050 Introductory Economics *4 semester hours* or

- ECON 1100 Introductory Microeconomics *4 semester hours and*
- ECON 1200 Introductory Macroeconomics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours or*
- ECON 2350 Accelerated Introductory Statistics *4 semester hours*

Note:

A grade of at least B- (2.7) is required in each of these courses.

Mathematics requirements (0-7 semester hours):

- MATH 112 Mathematical Analysis for Business II *3 semester hours or*
- MATH 131 Calculus I *4 semester hours*

Note:

A grade of at least B- (2.7) is required in MATH 112, and a grade of at least C (2.0) is required in MATH 131.

Note:

Students are strongly encouraged to take additional mathematics courses beyond these basic requirements in consultation with their economics advisor.

Upper Division Requirements (28 semester hours):

**Seven upper division economics courses.** The average grade in upper division economics courses must be at least C (2.0). Three courses are required: ECON 3100, ECON 3200, and ECON 3300. A grade of at least C- (1.7) must be obtained in these three required courses. These three courses should be taken before or during the junior year. Four additional upper division economics courses are required, of which at least two (8 semester hours) must be at the 4000 level. A grade of at least D (1.0) must be obtained in these additional four required and any other additional upper division economics courses. Upper division economics courses must be taken in the LMU Economics Department, except by prior permission of the Chairperson. BCLA students are allowed to take two upper division courses beyond the major requirements, so **students pursuing a B.A. degree in Economics can take up to 40 semester hours of upper division ECON courses** (9 courses total from the 3000-, 4000-, or 5000-level).

## Business and Economics Double Major Requirements

Students with majors in business may also pursue a second major in economics by fulfilling the requirements of the B.A. or B.S. track described above. With prior permission of the Department, double majors in Business and Economics may select two upper division Business Administration courses to count as upper division economics electives in the major. Thus, Business and Economics B.A. double majors are only required to take 20 semester hours of upper division Economics courses (including 12 semester hours of required courses). Business and Economics B.S. double majors are only required to take 24 semester hours of upper division Economics courses (including 20 semester hours of required courses).

## Assessment Tests

All Economics majors are required to take two assessment exams, one on introductory concepts and one during the semester in which they are graduating. These tests do not determine any grade, but they are both required for graduation.

## Test of Introductory Economics

All Economics majors are required to take a test of introductory concepts.

## Comprehensive Test of Economics

All Economics majors who will have completed 100 hours or more by the end of the Spring semester are required to enroll in ECON 4900. This is a zero-semester-hour course, required for graduation, which includes a comprehensive test of economics, a senior exit interview, and possible additional Department evaluation.

## Economics Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as all major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

## Freshman Year

### Fall Semester

- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours (if necessary) or*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours or*
- ECON 2350 Accelerated Introductory Statistics *4 semester hours*
- MATH 112 Mathematical Analysis for Business II *3 semester hours or*
- MATH 131 Calculus I *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

## Sophomore Year

### Fall Semester

- ECON 3100 Intermediate Microeconomics *4 semester hours*

- ECON 3300 Econometrics *4 semester hours*
- MATH 132 Calculus II *4 semester hours* or
- Elective *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- ECON 3200 Intermediate Macroeconomics *4 semester hours*
- ECON Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours* or
- MATH 234 Calculus III *4 semester hours*

Total: 14-16 semester hours

#### Junior Year

##### Fall Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5300 Mathematics for Economics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5320 Advanced Econometrics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Senior Year

##### Fall Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5300 Mathematics for Economics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- ECON 4900 Senior Assessment *0 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5320 Advanced Econometrics *4 semester hours* (B.S.) and/or
- ECON 5900 Senior Seminar *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Economics, B.S.

The Bachelor of Science degree is suitable for students who 1) wish to continue to graduate school in economics or business (especially finance), 2) are particularly interested in statistics or forecasting, or 3) are interested in any of the careers mentioned for the B.A. degree but who desire a more quantitative preparation. The B.S. degree has the same requirements as the B.A. degree, except for three upper division economics course requirements and the total of 32 upper division semester hours. Specifically, the B.S. degree additionally requires Mathematics for Economics (ECON 5300) and Econometrics (ECON 5320).

Students who intend to earn the B.S. degree must submit a Change of Program form to the Office of the Registrar.

#### Objectives

Economics focuses on optimal choices and the incentives and constraints that determine decision making for individuals, firms, and institutions. Since unlimited wants generally have to be met by limited means, the study of economics provides a careful analysis and thorough understanding of the processes with which wealth is produced, distributed, and consumed. The economy's importance to all societies and the human condition and the methodological approach of modeling decision making, make economic knowledge useful to many other fields, such as political science, sociology, anthropology, biology, engineering, law, and history. It, thus, is an important field of study and as central to a liberal arts education as it is to a business program.

The study of economics involves (1) the development of theories of economic behavior and their application to new problems; (2) the use of statistics and other evidence to test or add content to existing theories; (3) the development of perspective on economic institutions, economic history, and the development of economic philosophy. Students are encouraged to engage in independent research on all of these levels.

The Economics Department aims first to prepare our students both with the technical skills required to think deeply about important issues of scarcity in our world and to educate the whole person in accordance with the University mission. Upon completing the major, our students will be able to demonstrate a solid understanding of how incentives shape human behavior, in particular, but not only in the core economics fields of microeconomics, and macroeconomics. In addition, our students will acquire technical skills, particularly in statistics, to complement critical thinking abilities more broadly. They will also have the skills to solve theoretical and real-world problems

and be fully prepared for both advanced graduate study and challenging careers.

## Economics Student Learning Outcomes

After finishing the Economics major, students should be able to:

1. See the role of economic and other incentives in shaping human behavior in real-world situations.
2. Understand the principles of microeconomics: uncertainty and risk, constrained optimization, production, distribution, consumption, and markets.
3. Understand the principles of macroeconomics: economic growth, unemployment, inflation, money, interest rates, balance of payments, and exchange rates.
4. Comprehend the structure, development, and impact of economic institutions.
5. Appreciate the ethical concerns that should underlie economic policy: efficiency, fairness, equity, and individual freedom.
6. Separate the normative from the positive content in economics propositions and research, including separating arguments based on special pleading from those aimed at serving the interests of humanity.
7. Use statistics in order to analyze and understand a problem.
8. Possess the mathematical skills needed to understand economic problems.
9. Create or design a model in order to understand an economic problem.
10. Generate or gather real-world data concerning economic issues.
11. Write effectively about economics and communicate to readers clearly and fluently.
12. Orally communicate economic ideas well, presenting theories and evidence clearly.

## Major Requirements:

Students may pursue either a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree. The specific requirements of these degrees are explained below.

Economics majors are required to take one social science course from outside the major. The course may be a lower or upper level course in Geography, Political Science, Sociology, Urban Studies, or any course that satisfies the Understanding Human Behavior requirement of the University Core.

## Lower Division Requirements:

These requirements are the same as for the B.A. Economics degree.

## Upper Division Requirements (32 semester hours):

**Eight upper division economics courses.** The average grade in upper division economics courses must be at least C (2.0). Five courses are required: ECON 3100, ECON 3200, ECON 3300, ECON 5300 and ECON 5320. A grade of at least C- (1.7) must be obtained in these five courses. ECON 3100, ECON 3200, and ECON 3300 should be taken by the junior year. Three additional upper division economics courses are required, of which at least two (8 semester hours) must be at the 4000 level. A grade of at least D (1.0) must be obtained in these three additional required and any other additional upper division economics courses. Upper division economics courses must be taken in the LMU Economics Department, except by prior permission of the Chairperson. BCLA students are allowed to take two upper division courses beyond the major requirements, so **students pursuing a B.S. degree in**

**Economics can take up to 40 semester hours of upper division ECON courses** (10 courses total from the 3000-, 4000-, or 5000-level).

## Business and Economics Double Major Requirements

Students with majors in business may also pursue a second major in economics by fulfilling the requirements of the B.A. or B.S. track described above. With prior permission of the Department, double majors in Business and Economics may select two upper division Business Administration courses to count as upper division economics electives in the major. Thus, Business and Economics B.A. double majors are only required to take 20 semester hours of upper division Economics courses (including 12 semester hours of required courses). Business and Economics B.S. double majors are only required to take 24 semester hours of upper division Economics courses (including 20 semester hours of required courses).

## Assessment Tests

All Economics majors are required to take two assessment exams, one on introductory concepts and one during the semester in which they are graduating. These tests do not determine any grade, but they are both required for graduation.

## Test of Introductory Economics

All Economics majors are required to take a test of introductory concepts.

## Comprehensive Test of Economics

All Economics majors who will have completed 100 hours or more by the end of the Spring semester are required to enroll in ECON 4900. This is a zero-semester-hour course, required for graduation, which includes a comprehensive test of economics, a senior exit interview, and possible additional Department evaluation.

## Economics Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as all major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

## Freshman Year

### Fall Semester

- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours* (if necessary) or
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours* or
- ECON 2350 Accelerated Introductory Statistics *4 semester hours*
- MATH 112 Mathematical Analysis for Business II *3 semester hours* or
- MATH 131 Calculus I *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

## Sophomore Year

### Fall Semester

- ECON 3100 Intermediate Microeconomics *4 semester hours*
- ECON 3300 Econometrics *4 semester hours*
- MATH 132 Calculus II *4 semester hours* or
- Elective *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- ECON 3200 Intermediate Macroeconomics *4 semester hours*
- ECON Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours* or
- MATH 234 Calculus III *4 semester hours*

Total: 14-16 semester hours

## Junior Year

### Fall Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5300 Mathematics for Economics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5320 Advanced Econometrics *4 semester hours* (B.S.)

- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

## Senior Year

### Fall Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5300 Mathematics for Economics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- ECON 4900 Senior Assessment *0 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5320 Advanced Econometrics *4 semester hours* (B.S.) and/or
- ECON 5900 Senior Seminar *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

## Economics Minor

### Minor Requirements

20 semester hours consisting of ECON 1050 and four upper division ECON courses. The upper division courses should be chosen in consultation with an economics advisor. A grade of at least B- (2.7) is required in ECON 1050.

### English

### Faculty

Chairperson: Barbara Roche Rico  
 Professors: Linda Bannister, Theresia de Vroom, Paul Harris, Holli G. Levitsky, Juan Mah y Busch, Steven Mailloux (President's Professor of Rhetoric), Rubén Martínez (Fletcher Jones Chair in Literature and Writing), John Menaghan, Robin Miskolcze, Barbara Roche Rico, Chuck Rosenthal, Stephen H. A. Shepherd, Gail Wronsky, Kelly Younger, Molly Youngkin  
 Associate Professors: Stuart Ching, Evelyn McDonnell, Judy Park, K.J. Peters, Kate Pickert, John Reilly, Dermot Albert Ryan

### Contact Information

**Department Chair:** Barbara Roche Rico

**E-mail:** brico@lmu.edu

**Graduate Director:** Dermot Ryan

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**Websites:** [www.lmu.edu/english/](http://www.lmu.edu/english/)

[bellarmine.lmu.edu/English/graduateprogram](http://bellarmine.lmu.edu/English/graduateprogram)

**Office Location:** University Hall 3800

**Telephone:** 310.338.3018

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**Senior Administrative Coordinator:** Maria Jackson

**E-mail:** [mjackson@lmu.edu](mailto:mjackson@lmu.edu)

## English Graduate Program

### Mission Statement

The Department of English at Loyola Marymount University offers a Master of Arts degree in English with a Literature Emphasis, a Master of Arts degree in English with a Creative Writing Emphasis, and a Master of Arts degree in English with a Rhetoric and Composition Emphasis. We are committed to the interdependence between literature and writing. We believe that the act of engaging the literary and rhetorical fields involves the production of literary, critical, or theoretical texts, and that broadbased reading in the tradition of literature provides the necessary foundation for more focused study and analysis. Therefore, we offer Literature Emphasis, Creative Writing Emphasis, and Rhetoric and Composition Emphasis students an introduction to graduate scholarship within a range of possible critical, rhetorical, and creative modes, while offering the intellectual background and literary study which makes their course of study both theoretically and historically self-conscious.

All emphases within the M.A. program address the needs of a diverse student population; those going on to doctoral programs in literature, literary theory, rhetoric, or creative writing; those pursuing literary or commercial writing careers; those teaching in high schools and community colleges.

### Admission Requirements

1. The applicant for the degree of Master of Arts in English should have completed with a 3.0 ("B") average a minimum of five upper division undergraduate English courses. Excellence in upper division courses in closely related fields like journalism and screenwriting may be taken into consideration.
2. Applicants must submit an application, \$50 application fee, and two letters of recommendation. Recommendations should be obtained from individuals who are in a position to comment on the applicant's academic and personal suitability for pursuing graduate work in English.
3. Applicants should write an ambition statement (1½-2 pages) in which they indicate which emphasis (Literature, Creative Writing, Rhetoric/Composition) they wish to enter. Applicants should also discuss relevant prior experiences (i.e., Academic, research work, creative writing, or other life experiences) and their career goals. This statement should be included with the basic application.
4. A 10-15 page writing sample is required of all applicants. Applicants to the Literature or Rhetoric/Composition Emphasis should submit a sample of their critical writing; applicants to the Creative Writing Emphasis should submit both a 10-15 page critical writing samples AND a sample of their best creative writing. The two combined samples may not exceed 30 pages total. Both writing samples should be combined into one document for upload to the application website.
5. The deadline for the receipt of all materials is March 15.

### Teaching Fellowships

Students applying for Teaching Fellowships are asked to include, along with their application materials, the following: a resume or C.V.; a letter of application for the Teaching Fellowship; and one of

the candidate's two letters of recommendation should specifically address the candidate's potential abilities as a teacher of College Writing.

### Rains Research Assistantships

Rains Research Assistantships are available to qualified graduate students by invitation of individual faculty members. These assistantships are paid at \$12 per hour for a maximum of 120 hours per academic year. Teaching Fellows are not eligible for Rains Research Assistantships due to federal government financial aid restrictions.

### Graduate Assistantships

A Graduate Assistantship and an internship with the William H. Hannon Library's Special Collections are also available. Students who qualify would work an average of 20 hours per week during the regular semesters. The rate of pay is about \$18.00 per hour.

## English Undergraduate Program

### English Department Mission

Believing that literature is a profound expression of human experience, the English Department uses a range of critical methods to introduce students to literatures in English from a variety of cultural traditions. The course work reveals the art form's creative beauty, strategies for representing the human experience, and its power to shape the reader.

The English Department encourages an understanding of the critical and creative union of reading and writing as fundamental to the processes of developing the self. Through their imaginations, students who major or minor in English interact with language and literature, thereby encountering another equally open and attentive mind: that of the writer they are reading or of the reader who comes to the work they have created. As students of the literary arts, English majors and minors prepare for a lifetime of reading and writing, enlightenment and fulfillment, learning to do what Toni Morrison describes as a dance of two minds.

### English, B.A.

## English Student Learning Outcomes

English majors/minors know:

- The history and forms of literatures in English
  - English majors/minors understand literary historical terms and concepts;
  - English majors/minors know the historical and generic markers that characterize the literature of specific periods;
  - English majors/minors can articulate the ways in which certain literary genres, concepts, and conventions endure and change across time.
- The heterogeneity of literatures in English and the nature of difference
  - English majors/minors will have a deeper sense of the diversity of literature written in English;
  - English majors/minors will expand their understanding of the range of experiences, forms, themes, conventions, and traditions that they can encounter in literary texts;
  - English majors/minors can think critically about the intersection of difference and power in literary studies.
- The art of literary invention
  - English majors/minors create literary art that moves, challenges, informs, entertains, and engages its audience;

- English majors/minors affirm and cultivate an individual artistic vision;
- English majors/minors understand the professional production of creative texts.

English majors/minors are able to

- Construct persuasive critical analysis of literary texts
  - English majors/minors can integrate critical discourse, argumentation, persuasion, and research in a clear, grammatical, and logically sound manner;
  - English majors/minors can generate compelling and original interpretations and arguments.
- Construct compelling creative works in one or more genres
  - English majors/minors can express themselves in an artistic, imaginative, inspired, and unique style;
  - English majors/minors can generate compelling and original works of literary art.

## Major Requirements

Please note that English majors may take no more than eight upper division English courses and have them count toward graduation.

A student wishing to declare the English major must be in good academic standing with a minimum GPA of C (2.0).

### Lower Division Requirements (16 semester hours):

Two courses in Genres:

- ENGL 2200 Genres: Drama *4 semester hours*
- ENGL 2201 Genres: Poetry *4 semester hours*
- ENGL 2202 Genres: Fiction *4 semester hours*
- ENGL 2296 Special Studies in Genres *4 semester hours*

Two courses in Histories:

- ENGL 2203 Histories: British Literature I *4 semester hours*
- ENGL 2204 Histories: British Literature II *4 semester hours*
- ENGL 2297 Special Studies in Histories *4 semester hours*

Note:

A grade of C (2.0) is required in each premajor course before qualifying for upper division status as an English major. Students transferring into the Department after their sophomore year may enroll in upper division courses in the major concurrently with the premajor courses. Students must complete all upper division courses in the major with a minimum grade of C (2.0) in order to maintain status as English majors. Failure to maintain this standard or failure to make sufficient progress toward completion of the major will result in probation or disqualification from the Department.

### Upper Division Requirements (28 semester hours):

Explorations (16 semester hours):

One Author(s) course (includes courses on single authors such as Shakespeare, and other special studies. Check current course descriptions to determine which courses may be used to fulfill this requirement.)

One Critical/Theoretical course (includes most English and American literature courses and literary theory courses. Check current course descriptions to determine which courses may be used to fulfill this requirement.)

One Comparative course (includes any course in multi-ethnic literature, gender-based literature, world literature, or foreign language literature in translation. Check current course descriptions to determine which courses may be used to fulfill this requirement.)

One Creative/Artistry course (includes courses in creative writing and journalism. Check current course descriptions to determine which courses may be used to fulfill this requirement.)

Specialization (12 semester hours):

In consultation with your advisor, pursue upper-division coursework in a specific area to develop a specialization within English studies. Areas of possible specialization include: multi-ethnic literatures, creative writing, literary theory, literary criticism, rhetorical theory. With advisor approval, one course toward the specialization may be taken outside English. One course may include the Capstone seminar.

Total lower division and upper division: 44 semester hours

A minimum grade of C (2.0) must be obtained in each course in the major.

## The English Major: Secondary Teacher Preparation Program for English

For information on this program, see the Center for Undergraduate Teaching Preparation Program section in this Bulletin.

## English Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

#### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

## Sophomore Year

### Fall Semester

- ENGL 22xx Genres 4 semester hours
- ENGL 2203 Histories: British Literature I 4 semester hours or
- ENGL 2297 Special Studies in Histories 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

### Spring Semester

- ENGL 22xx Genres 4 semester hours
- ENGL 2204 Histories: British Literature II 4 semester hours or
- ENGL 2297 Special Studies in Histories 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

## Junior Year

### Fall Semester

- ENGL Upper Division: Comparative 4 semester hours
- ENGL Upper Division: Creative/Artistry 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

### Spring Semester

- ENGL Upper Division: Critical/Theoretical 4 semester hours
- ENGL Upper Division: Author(s) 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

## Senior Year

### Fall Semester

- ENGL Upper Division: Specialization 4 semester hours
- ENGL Upper Division: Specialization 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

### Spring Semester

- ENGL 5595 Capstone Seminar 4 semester hours

- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

### Note:

Upper division courses are open to juniors and seniors only. With the permission of the Chairperson, upper division courses may be open to sophomores who have taken or are concurrently enrolled in the required lower division, pre-major English courses.

## English, M.A.

### Degree Requirements

Work for the degree of Master of Arts in English includes a minimum of 10 courses (30 semester hours) plus the Capstone Portfolio Project (0 semester hours). Courses selected must be approved by the Director of the Graduate English program. For the completion of the Master of Arts in English, all students are required to take Critical Methodology (in the first semester), Contemporary Critical Theory (in the first year for full-time students) and a Major Writer Seminar. All students must take at least four courses at the 6000 level. Courses in the 5000 group which receive a grade of "B-" or less will not count toward the degree.

### Literature Emphasis (Ten Courses)

- Critical Methodology (1)
- Contemporary Critical Theory (1)
- Major Writer (1)
- Literature and Theory Electives (5-7)
- Creative Writing Seminar (0-2)

### Creative Writing Emphasis (Ten Courses)

- Critical Methodology (1)
- Contemporary Critical Theory (1)
- Major Writer (1)
- Creative Writing Seminar (4)
- Literature and Theory Electives (3)

### Rhetoric and Composition Emphasis (Ten Courses)

- Critical Methodology (1)
- Contemporary Critical Theory (1)
- Major Writer (1)
- Literature and Theory Electives (3)
- Rhetoric and Composition Theory and Practice (3)
- Linguistics or Reading Theory (1)

### Capstone Portfolio Project

The Capstone Portfolio Project is a culminating project that requires students to work under the supervision of an advisor to create a critical or creative portfolio that highlights his/her research or creative interests. The portfolio is evaluated by the advisor and a second reader for quality of work and mastery of skills acquired throughout the graduate program.

Details of requirements, evaluation, and deadlines are described in the Capstone Requirements Handbook available on the Department website.

## Student Learning Outcomes

Students who complete the Master's Degree in English will:

- Master the terms and issues specific to the discipline and profession of literary studies.
- Master professional writing skills for tasks including book reviews, abstracts, short critical essays, and research projects.
- Gain experience giving presentations and making submissions for professional publications and/or conferences.
- Engage critically and deeply with a range of literatures and literary theories.
- Engage critically the content and practices of your chosen emphasis (Literature; Creative Writing; Rhetoric and Composition).

## English Minor

### Requirements

A student wishing to declare the English minor must be in good academic standing with a minimum GPA of C (2.0). The minor requires a minimum of 20 semester hours beyond 1000-level courses.

#### Lower Division Coursework:

##### I. Foundations (8 semester hours—2 courses):

No more than 4 semester hours can be taken in one category.

1. Histories
2. Genres

#### Upper Division Coursework

##### II. Explorations (12 semester hours—3 courses):

No more than 4 semester hours can be taken in one category.

1. Author(s)
2. Critical/Theoretical
3. Comparative
4. Creative/Artistry

#### Note:

*A minimum grade of C (2.0) must be obtained in each course in the minor.*

## Journalism Minor

As readers and writers we are concerned with stories—"content" in the parlance of the digital realm—who tells them about whom, how they are told, how they arrive at an audience, and what happens to them when they become "public." Our journalism program directly engages LMU's mission of the promotion of justice by critiquing media representations and their immediate social and political impact, and also by exploring the history of social advocacy in both old and new media.

LMU's Journalism program is housed in the English Department, where the creative and critical pursuits that are the soul of the department's mission align perfectly with the genre. As a department, we study the history of literature, the craft of writing,

and the ethics and politics of representation. New media have brought us the possibility of a democratization of representation, but troubling issues of power and identity endure. Many journalism programs limit the study of "ethics" in their curricula to introductory classes and largely to a discussion of the reporter's responsibility to the subject. What distinguishes our program is that the ethical discussion suffuses the entire curriculum.

Journalism at LMU is not merely theoretical; we offer hands-on instruction in the reporting, writing, editing, and technological skills that students need to become professional journalists. For more information about the Journalism program, please contact Director Evelyn McDonnell, [Evelyn.McDonnell@lmu.edu](mailto:Evelyn.McDonnell@lmu.edu).

## Requirements

Open to all majors.

20 semester hours of coursework with a C (2.0) or better in each class. Three courses are required: 1) ENGL 2206 Language of Journalism, 2) ENGL 3381 Journalism and New Media, and 3) ENGL 4468 Journalism: Capstone. ENGL 2206 must be taken before or concurrently with ENGL 3381. The lower division requirement (ENGL 2206) will give Journalism minor students the foundation for further study, acquaint them with journalistic formats, and teach them the fundamentals of reportage and news literacy, essential tools for all apprentice journalists. Students may be exempted from taking ENGL 2206 and enroll in ENGL 3301 Writing for Journalism: Workshop instead, if they can demonstrate (via résumé and portfolio) significant secondary or post-secondary journalism proficiency and experience. ENGL 3381 Journalism and New Media is the essential introduction to non-print news platforms all Journalism minors must navigate and populate. A course list follows:

### 1. Two required courses

(8 semester hours)

- ENGL 2206 Language of Journalism *4 semester hours* or
- ENGL 3301 Writing for Journalism: Workshop *4 semester hours*
- ENGL 3381 Journalism and New Media *4 semester hours*

### 2. One course in community journalism or specialized journalism

(4 semester hours)

### 3. ENGL 4468 Journalism: Capstone

(4 semester hours).

Restricted to senior Journalism minors.

### 4. One elective

(4 semester hours) chosen from English courses in Journalism.

**Total: 20 semester hours**

## Screenwriting Minor for English Majors

The School of Film and Television offers a minor as an option to students majoring in the writing emphasis in the English Department. The minor consists of 18 semester hours. Check for the full description of the minor under the Screenwriting section of this Bulletin.

## Environmental Studies

### Director

Mona Seymour

### Environmental Studies Minor

### Objectives

The Environmental Studies Program offers an interdisciplinary minor designed to help students acquire an understanding of the complex issues and concerns associated with the environment. Building on courses from across the humanities, social sciences, and natural sciences, the Environmental Studies minor offers a coherent curriculum addressing some of the most pressing ecological, political, economic, social, and ethical problems of the contemporary world.

Students who minor in Environmental Studies will study issues and ideas including: global climate change; resource management, including excessive consumption and the just distribution of resources; genetically modified crops and organisms; biodiversity; wilderness preservation; pollution pressures on the land, air, and sea; sustainable development; the rights and value of non-human animals and nature; energy production; population and consumption; the role of the environment in local, national, and international politics; international agencies and treaties addressing environmental issues; environmental ethics; and environmental justice.

The Environmental Studies Program is dedicated to fostering a genuine spirit of interdisciplinary exchange, across both traditional disciplinary lines and among the various colleges and schools on campus. Faculty from a variety of departments, schools, and colleges may teach courses cross-listed in Environmental Studies, and students from across the University community will find an appropriate niche in the program through its intentionally interdisciplinary nature.

### Environmental Studies Minor Student Learning Outcomes

Environmental Studies minor students will know:

- The primary environmental issues confronting humans in the 21st century (e.g., anthropogenic climate change, loss of biodiversity, resource consumption, peak oil, etc.)
- The fundamental science that frames and makes comprehensible current debates about environmental issues (e.g., the carbon cycle)
- How to assess and grasp the moral and ethical significance of environmental crises and the possible responses to those crises using multiple approaches or frames (e.g., utilitarian, deontological, intrinsic value, virtue theory, pragmatic, etc.)
- The practical challenges (e.g., political, economic, etc.) associated with various possible responses to environmental crises.

Environmental Studies minor students will be able to:

- Apply diverse perspectives and methodologies (ways) of addressing environmental questions (e.g., philosophical, economic, scientific, political, theological, etc.), transcending traditional disciplinary boundaries in favor of a more holistic perspective
- Apply the knowledge and analytic skills they have acquired in the course of their studies to real-world issues, bridging the supposed gap between theory and practice

- Demonstrate the ability to write, speak, and think clearly and critically about the issues studied in the minor.

Environmental Studies minor students will value:

- The diverse perspectives and values (e.g., political, cultural, religious, etc.) amongst the various stakeholders in environmental challenges
- The importance of good science in framing environmental questions
- The role of both a) personal transformation (e.g., lifestyle choices, consumptive dispositions, etc.) and b) social transformation (e.g., community involvement, political action, addressing environmental justice and environmental racism, etc.) in any response to environmental challenges.

### Minor Requirements

The Environmental Studies minor consists of six courses that can be satisfied with between 18 and 24 semester hours; however, given practical issues related to semester hours in different colleges and departments, students will generally complete the minor with 22 semester hours of work. Both foundation courses are lower division, and the Capstone seminar is an upper division course. The three distribution courses may include one lower division course.

#### 1. Foundations Courses (7 semester hours)

- EVST 1000 Introduction to Environmental Studies 4 semester hours
- ENVS 101 Introduction to Environmental Science 3 semester hours

#### 2. Distribution Courses

- Humanities Elective 3-4 semester hours
- Social Science Elective 3-4 semester hours
- Natural Science Elective 3-4 semester hours

#### 3. Capstone Course (4 semester hours)

- EVST 4001 Environmental Studies Capstone Seminar 4 semester hours

#### Note:

Alternative courses can be substituted at the discretion of the Director. Students are encouraged to contact the Director to inquire about and propose alternative courses that may fulfill Distribution Course requirements, aside from those listed below.

### Course Offerings

#### I. Foundations Courses

- EVST 1000 Introduction to Environmental Studies 4 semester hours
- ENVS 101 Introduction to Environmental Science 3 semester hours

#### II. Humanities Distribution

- PHIL 3110 Environmental Ethics 4 semester hours
- PHIL 3220 Environmental Philosophy 4 semester hours
- THST 3751 Sacred Place 4 semester hours

- THST 3780 World Religions and Ecology 4 semester hours
- WGST 3200 Women and Environmental Justice 4 semester hours

### III. Social Science Distribution

- ECON 3998 Special Studies 1 TO 4 semester hours (taken as Green Decision Making 4 semester hours)
- ECON 4160 Environmental Economics 4 semester hours
- GEOG 1000 Human Geography 4 semester hours
- SOCL 3360 Environment and Society 4 semester hours
- URBN 3045 Urban Planning 4 semester hours
- URBN 3046 Sustainable Cities 4 semester hours
- URBN 3998 Special Studies 1 TO 4 semester hours (taken as Environmental Planning/Policy 4 semester hours)

### IV. Natural Science Distribution

- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 321 Urban Ecology 3 semester hours
- ENVS 250 Earth Science 3 semester hours
- ENVS 279 Principles of Environmental Sustainability 3 semester hours
- ENVS 300 Engineering Geology 3 semester hours
- ENVS 301 Environmental Science 3 semester hours
- ENVS 310 Oceanography 3 semester hours
- ENVS 356 Sustainable Practices 3 semester hours
- SCEM 320 Science, Theology, and the Future 3 semester hours

### V. Capstone Course

- EVST 4001 Environmental Studies Capstone Seminar 4 semester hours

## Ethics

### Director

TBA

### Ethics Minor

### Objectives

In response to the need to address ethical issues in the various professions, the Philosophy Department, in conjunction with other departments in the different Colleges and Schools of the University, offers a minor in Ethics. Its main focus is to deepen and broaden the student's grasp of the theoretical foundations and practical applications of ethical thought. The Ethics minor will complement and support the student's studies by encouraging reflection on the ethical issues that arise in his or her major field of study.

The objectives of this program are: 1) to heighten the student's awareness of the pervasive moral dimensions of human experience; 2) to broaden and deepen the student's understanding of ethical theories and their foundations; and 3) to promote moral deliberation, evaluation, decision-making, and conduct that alone can renew and sustain healthy economic, social, political, and professional institutions in concrete human communities.

## Ethics Minor Student Learning Outcomes

Ethics minor students will understand:

- The historical context, the import, and the strengths and weaknesses of various paradigms of ethical reflection
- The ways in which ethical theories have been applied to concrete human concerns
- The relevance of ethical reflection to critical issues arising in their chosen major field of study.

Ethics minor students will be able to:

- Demonstrate written competency in the analysis and application of ethical theories to vexed practical problems
- Draw on their own experience and on insights gleaned from their major field of study to further the evaluation and refinement of ethical theories.

Ethics minor students will value:

- The importance of ethical reflection in creating and sustaining healthy human communities
- The productive relation between ethical reflection and other practical and theoretical pursuits
- The power of reflection and self-criticism to transform one's self-conception as well as one's relationships to others.

## Minor Requirements

The minor in Ethics consists of 20 semester hours divided as follows:

### FOUR Foundations Courses, including:

**PHIL 1800 and PHIL 3100**, which also satisfy the University's core requirements in Philosophy.

**Two further classes** chosen in consultation with the Ethics minor advisor, at least one of which must be in Philosophy, though the second may be offered by departments in any of the Colleges or Schools in the University. These courses should deepen the student's awareness of the context, presuppositions, and implications of various approaches to ethical reflection.

### TWO Applications Courses including:

**One** course in Applied Ethics related to the student's College or School of origin chosen from PHIL 3100-3145 (see Course Descriptions).

**One** elective course in Applied Ethics selected from the PHIL 3100-3145 (see Course Descriptions) options without regard for the student's College or School of origin.

### ONE Assessment Course:

PHIL 4995 is a 0 credit hour Ethics Minor assessment class, to be taken once all other Ethics minor credit hours are completed or during the semester the student is completing his or her final classes for the minor.

### Note:

*Philosophy majors or minors cannot also have an Ethics minor.*

## European Studies

### Director

Antonia Petro

## Faculty

The faculty of the European Studies major are those professors in various departments of the University who regularly offer courses that are directly concerned with issues relating to Europe, or to specific countries or traditions of Europe, past and present.

## European Studies, B.A.

The European Studies major is an integrated, interdisciplinary area-studies program. Students choose from a range of courses taught in different departments, selecting a focus that reflects their individual interests (e.g., German or Irish Studies).

The program requires competence in a European language, background to grasp the complexity of European history and civilization as a whole, as well as a specialization in one field of study. As such, it provides students with a solid preparation for graduate school or a career in government or private enterprise. One semester of study in Europe is strongly recommended but is not mandatory.

European Studies majors who have a specialization in German and a minimum GPA of 3.5 are eligible once per year for the Bellarmine College of Liberal Arts Conrad Lester merit-based scholarship.

## Objectives

- Intermediate proficiency in one European language (4 semesters at LMU or equivalent). LMU offers French, German, Italian, and Spanish in the Department of Modern Languages and Literatures as well as Greek, Latin, and Modern Greek in the Department of Classics and Archaeology. EURO language courses are also available in the LMU Study Abroad Programs in Europe. Once per year during the Spring semester, the Department of Modern Languages and Literatures offers a general proficiency test in German (ZD), which is internationally recognized and certifies the language skills of the student to prospective employers in the public and private sector. It is administered free of charge for graduating European Studies students with a concentration in German within their major.
- Knowledge of the historical, intellectual, political, and religious contexts of Europe, past and present.
- Knowledge of the art and literary works of Europeans, past and present.

## European Studies Student Learning Outcomes

European Studies students are expected to demonstrate:

- Linguistic proficiency in one European language (French, German, Italian, Spanish, Greek, Latin, and/or Modern Greek)
- Knowledge and understanding of:
  - The history of Europe (History)
  - The history of ideas in Europe (Philosophy)
  - The politics of Europe (Political Science)
  - The religious contexts of Europe (Theological Studies)
- Familiarity with cultural expressions of Europeans such as:
  - European literature (Classics, English, European Studies, Foreign Literature in Translation, French, German, Italian, Spanish)
  - European art history and creative arts (Art History, Film, Theatre Arts)
- Reflection on/assessment of:

- Reasons why a major in European Studies was chosen
- Cultural competency (what they have learned)
- Content of the courses selected for the European Studies major
- Development and evolution in the European Studies major
- Extracurricular activities connected with the European Studies major (study abroad experiences, program-related activities, work experience/internships).

Student Learning Outcomes will be assessed through a Senior Capstone Project (EURO 5000), which consists of a portfolio completed during the second semester of the senior year. The portfolio is a collection of multiple samples, usually compiled over the course of studies, accompanied by a personal reflection essay, which shows that the student has met the objectives of the European Studies Program.

## Major Requirements

LMU students wishing to declare the European Studies major must meet with the program director. The director will sign the student's Change of Program form provided the student is in good academic standing, which includes having a minimum cumulative LMU GPA of 2.0 (C).

### Lower Division Requirements (20 semester hours):

- One European history course (4 semester hours) is required for the EURO major selected from among the early European history offerings (HIST 1110, HIST 1120, or HIST 1130) or among the modern European history courses (HIST 1200, HIST 1201, HIST 1202, HIST 1203, or HIST 1204). Moreover, all students with a European Studies major are strongly encouraged to satisfy their University Core requirement for Historical Analysis and Perspectives with a history course from the category not chosen for their major, that is, with a modern European history course, if they chose early for their EURO major, and with an early European history course, if they chose modern for their major.
- Elementary 1 and 2 and Intermediate 1 and 2, or the equivalent, of **one** European language are required (i.e., 16 semester hours):
  - FREN 2101 and FREN 2102 or
  - GRMN 2101 and GRMN 2102 or
  - ITAL 2101 and ITAL 2102 or
  - MDGK 1101 and MDGK 1102 or
  - SPAN 2101 and SPAN 2102 and
  
  - FREN 2103 and FREN 3104 or
  - GRMN 2103 and GRMN 2104 or
  - ITAL 2103 and ITAL 2104 or
  - MDGK 2203 and MDGK 2204 or
  - SPAN 2103 and SPAN 2804

Elementary- and intermediate-level language courses (EURO 1181, EURO 1182, EURO 2283, EURO 2284) are available in the LMU Study Abroad Programs in Europe. Study Abroad students might have to take the LMU Placement Exam upon return to fulfill lower division requirements.

### Upper Division Requirements (25 semester hours):

Group A:

8 semester hours chosen from the courses below, which examine the historical, intellectual, political, and/or religious contexts of Europe, past and present.

- CLAR 3210 Classical and Near Eastern Myths *4 semester hours*
- CLAR 3220 Greek and Roman Religions *4 semester hours*
- EURO 3020 Late Antique and Medieval Western Christianity *4 semester hours*
- EURO 3021 The History of Christianity from the Middle Ages to the Present *4 semester hours*
- EURO 3210 Classical and Near Eastern Myths *4 semester hours*
- EURO 3221 Greek Orthodox Tradition *4 semester hours*
- EURO 3252 Orthodox Christian Spirituality *4 semester hours*
- EURO 3510 Ancient Philosophy *4 semester hours*
- EURO 3520 Medieval Philosophy *4 semester hours*
- EURO 3530 Modern Philosophy I *4 semester hours*
- EURO 3540 Modern Philosophy II *4 semester hours*
- EURO 3998 Special Studies 1 TO *4 semester hours*
- EURO 3999 Independent Studies 1 TO *4 semester hours*
- EURO 4700 Major Thinkers *4 semester hours*
- EURO 4998 Special Studies 1 TO *4 semester hours*
- EURO 4999 Independent Studies 1 TO *4 semester hours*
- FNLT 4200 Comparative Cultures *4 semester hours*
- FREN 4231 Identity Crisis in Contemporary France *4 semester hours*
- GRMN 3230 German Culture and Civilization *4 semester hours*
- GRMN 3231 The Germans: Great Moments Past and Present *4 semester hours*
- IRST 3310 Modern Ireland *4 semester hours*
- ITAL 3250 Contemporary Italian Culture *4 semester hours*
- MDGK 3350 Greek Orthodox Tradition *4 semester hours*
- MDGK 3352 Orthodox Christian Spirituality *4 semester hours*
- PHIL 3610 The Analytic Tradition *4 semester hours*
- PHIL 3640 Existentialism *4 semester hours*
- PHIL 4630 Phenomenology *4 semester hours*
- PHIL 4650 Postmodernism *4 semester hours*
- PHIL 4660 Hermeneutics *4 semester hours*
- PHIL 4670 Spanish Philosophy *4 semester hours*
- PHIL 4700 Major Thinkers *4 semester hours*
- PHIL 4810 Metaphysics *4 semester hours*
- POLS 3060 Marx and Marxism *4 semester hours*
- POLS 3010 Classical and Christian Political Theory *4 semester hours*
- POLS 3020 Modern Political Theory *4 semester hours*
- POLS 3640 Politics of the European Union *4 semester hours*
- POLS 3480 U.S.-British Politics *4 semester hours*
- POLS 3481 British Government *4 semester hours*
- POLS 3482 British Public Policy *4 semester hours*
- THST 3020 Late Antique and Medieval Western Christianity *4 semester hours*
- THST 3021 The History of Christianity from the Middle Ages to the Present *4 semester hours*

- THST 3221 Greek Orthodox Tradition *4 semester hours*
- THST 3222 European Christianity: Schism, Reform, and Ecumenical Dialogue *4 semester hours*
- THST 3252 Orthodox Christian Spirituality *4 semester hours*
- THST 4020 Early Christian Theology *4 semester hours*
- THST 4021 Medieval Religious Thought and Practice *4 semester hours*
- THST 4023 Medieval Theology *4 semester hours*
- THST 4030 Theology and History of Vatican II *4 semester hours*

#### Group B:

8 semester hours chosen from the courses below, which examine the art and literary works of Europeans, past and present.

- ARHS 3102 Arts of Ancient Greece *4 semester hours*
- ARHS 3104 Arts of Ancient Rome *4 semester hours*
- ARHS 3200 Medieval Art *4 semester hours*
- ARHS 4240 Italian Renaissance Art *4 semester hours*
- ARHS 4250 Northern Renaissance Art *4 semester hours*
- ARHS 4260 Baroque Art *4 semester hours*
- ARHS 4630 Contemporary Art *4 semester hours*
- CLAR 3110 Greek Poetry *4 semester hours*
- CLAR 3120 Greek Prose *4 semester hours*
- CLAR 3115 Latin Poetry *4 semester hours*
- CLAR 3125 Latin Prose *4 semester hours*
- CLAR 3380 Classical Numismatics *4 semester hours*
- CLAR 3240 Arts of Rome *3 semester hours*
- CLAR 3230 Arts of Greece *3 semester hours*
- CLAR 4230 Ancient World on Film *4 semester hours*
- CLAR 4240 Greek Cinema *4 semester hours*
- ENGL 3321 Shakespeare: The Major Plays *4 semester hours*
- ENGL 3322 Studies in Shakespeare *4 semester hours*
- ENGL 3342 Images of Women in Nineteenth-Century England *4 semester hours*
- ENGL 5502 The Arthurian Romance *4 semester hours*
- ENGL 5503 English Literature of the Middle Ages *4 semester hours*
- ENGL 5504 Chaucer *4 semester hours*
- ENGL 5513 Milton *4 semester hours*
- ENGL 5521 British Literature: 1660-1800 *4 semester hours*
- ENGL 5522 Eighteenth-Century English Novel *4 semester hours*
- ENGL 5530 Studies in Romanticism *4 semester hours*
- ENGL 5532 The Nineteenth-Century English Novel *4 semester hours*
- ENGL 5533 Victorian Literature *4 semester hours*
- ENGL 5534 Literature of the Holocaust *4 semester hours*
- ENGL 5541 British Fiction: 1900-1950 *4 semester hours*
- ENGL 5542 British Literature: 1950 to the Present *4 semester hours*
- ENGL 5543 British Poetry: 1900-1950 *4 semester hours*
- ENGL 5559 Survey of Literary Criticism *4 semester hours*
- EURO 3303 Art and Architecture of Ancient Greece *3 semester hours*

- EURO 3304 Arts of Ancient Rome 3 semester hours
  - EURO 3998 Special Studies 1 TO 4 semester hours
  - EURO 3999 Independent Studies 1 TO 4 semester hours
  - EURO 4241 Paris Métisse: Multiculturalism in Paris 4 semester hours
  - EURO 4331 Paris through Film 4 semester hours
  - EURO 4541 Poetics of Modern Landscape 4 semester hours
  - EURO 4998 Special Studies 1 TO 4 semester hours
  - EURO 4999 Independent Studies 1 TO 4 semester hours
  - FREN 3240 History of Ideas 4 semester hours
  - FREN 4232 Philosophy and Aesthetics of Labor in France 4 semester hours
  - FREN 4233 Culture of Laughter 4 semester hours
  - FREN 4330 Fictions of Culture, Film, and Other Media 4 semester hours
  - FREN 4331 Paris through Film 4 semester hours
  - FREN 4530 Women in French 4 semester hours
  - FREN 4531 Science Fiction and Fantasy Scenarios 4 semester hours
  - FNLT 3500 Introduction to Modern Greek Literature 4 semester hours
  - FNLT 4200 Comparative Cultures 4 semester hours
  - FTVS 314 History of International Film 3 semester hours with a European focus
  - FTVS 420 European Cinema 3 semester hours
  - FTVS 514 Seminar in International Film 3 semester hours with a European focus
  - GRMN 3340 German Cinema 4 semester hours
  - GRMN 3520 Survey of German Literature: From Beginning to Present 4 semester hours
  - GRMN 4551 German Drama 4 semester hours
  - GRMN 4552 German Folklore 4 semester hours
  - GRMN 4553 The German Novella 4 semester hours
  - IRST 3300 Modern Irish Literature 4 semester hours
  - IRST 3303 Contemporary Irish Literature 4 semester hours
  - IRST 3304 The Irish Renaissance 4 semester hours
  - IRST 3305 Irish Short Story 4 semester hours
  - IRST 3309 Ireland in Fiction and Film 4 semester hours
  - IRST 3330 Irish Drama 4 semester hours
  - IRST 4435 Irish Cinema 3 semester hours
  - IRST 4448 Irish Women Writers 4 semester hours
  - IRST 4449 The Dark Stuff: Horror in Irish Literature 4 semester hours
  - ITAL 3533 The Italian Novella 4 semester hours
  - ITAL 3534 Italian Literature of the 20th and 21st Century 4 semester hours
  - ITAL 3580 Italian Women Writers 4 semester hours
  - ITAL 4351 Italian Cinema 4 semester hours
  - MDGK 3341 Introduction to Modern Greek Literature (in Translation) 4 semester hours
  - MDGK 3342 Ancient Landscapes: Modern Voices 4 semester hours
  - MDGK 3343 Angels and Demons: Women and Literary Stereotypes 4 semester hours
  - MDGK 3344 Cities of the Dead: English and Modern Greek Modernism 4 semester hours
  - MDGK 3346 Out of Control: Women, Madness, and the Cultural Imagination 4 semester hours
  - MDGK 4450 Modern Greek History and Society 4 semester hours
  - SPAN 3541 Survey of Peninsular Spanish Literature 4 semester hours
  - SPAN 4388 Spanish Cinema 4 semester hours
  - SPAN 4582 Early Modern Spanish Drama and Poetry 4 semester hours
  - SPAN 4583 Early Modern Spanish Narrative 4 semester hours
  - SPAN 4585 Spanish Literature of the 19th Century 4 semester hours
  - SPAN 4586 Spanish Literature of the 20th-21st Centuries 4 semester hours
  - SPAN 4589 Selected Topics in Spanish Studies 4 semester hours
  - THEA 331 Classical Spirit in Drama 3 semester hours with a European focus
  - THEA 336 Romantic Spirit in Drama 3 semester hours with a European focus
  - THEA 341 Realistic Spirit in Drama 3 semester hours with a European focus
  - THEA 346 Avant-Garde Spirit in Drama 3 semester hours with a European focus
  - THEA 349 Hispanic Spirit in Drama 3 semester hours with a European focus
- Group C:
- 8 semester hours of electives chosen from:
- Additional Group A and Group B courses above
  - Additional European languages courses (lower division eligible for credit)
- One semester hour:
- EURO 5000 Capstone Project 1 semester hours
- Note:
- European Studies majors are encouraged to select core classes with a European focus.
- ## European Studies Model Four-Year Plan
- The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.
- ### Freshman Year
- #### Fall Semester
- European Language 4 semester hours
  - FFYS 1000 First Year Seminar 3 OR 4 semester hours
  - University Core 3-4 semester hours
  - University Core 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- European Language *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- European Language *4 semester hours*
- EURO History requirement *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- European Language *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- EURO Upper Division *4 semester hours*
- EURO Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- EURO Upper Division *4 semester hours*
- EURO Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Senior Year

#### Fall Semester

- EURO Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- EURO 5000 Capstone Project *1 semester hours*
- EURO Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-17 semester hours

### Geography

#### Director

Peter Hoffman

#### Objectives

Geography is one of the fundamental disciplines in the social sciences and an essential component in a liberal arts education. The critical importance of geography and the topics addressed by the discipline are recognized by its inclusion in the core curricula of the Bellarmine College of Liberal Arts, the College of Communication and Fine Arts, and the School of Film and Television.

Geography examines the relationships between people and their environment—its focus is sometimes simply referred to as "human ecology." With a distinctly spatial perspective, geography examines the wide range of places that humans have come to occupy on the Earth. Critical to that examination are an analysis of the ways in which people have modified the environment, for both better and worse, and the long term consequences of such modifications. Geography has also traditionally been the discipline that engages in the systematic study of the world's diverse countries and regions. With the dramatic political and economic transformations occurring throughout the world as a result of contemporary globalization, regional geographic analysis represents a continuing challenge to the discipline and gains greater importance every day.

#### Geography Student Learning Outcomes

By virtue of their Geography courses, students should know:

- The general global patterns of major geographic elements and processes
- The regional structures and expressions of human environmental relationships associated with the modern and postmodern realm
- The structures and expressions of human settlement associated with the developed realms/core and those associated with the less developed realm/periphery
- The basic research questions and agendas associated with human and regional geography
- The common theories, practices, and methodologies employed in contemporary human geography
- The global patterns of contemporary societies differentiated by their social and economic structures, values, and practices;

By virtue of their Geography courses, students should be able to:

- Effectively employ contemporary social science methodology in the analysis of environmental and geographic issues
- Demonstrate written and oral competencies in the analysis of environmental and geographic issues and policy
- Identify and utilize appropriate primary data for the analysis of environmental and geographic issues
- Apply their understanding of environmental and geographic issues to the development and critical analysis

of programs and policies appropriate to addressing contemporary social and economic problems;

By virtue of their Geography courses, students should value:

- Diverse perspectives in the analysis and assessment of human environmental issues and global policies
- Thoughtful analysis of the implications of human population growth and evolving technologies in the context of social justice and sound environmental practices
- Rigorous, scientific research that enlightens human ecology and contributes to the resolution of social and environmental problems
- Community-based participation in the development of programs and policies that contribute to social, economic, political, and environmental improvement.

## History

### Faculty

Chairperson: Elizabeth Drummond

Professors: Jok Madut Jok, Najwa al-Qattan, Nigel A. Raab

Associate Professors: Cara Anzilotti, Carla J. Bittel, Constance J.S.

Chen, Elizabeth Drummond, Margarita Ochoa, Anthony M.

Perron, Nicolas Rosenthal, Amy Woodson-Boulton

Assistant Professors: Sean Dempsey, S.J., Andrew Devereux, Kevin

McDonald, Meng Zhang

### Mission Statement

The study of history is integral to Loyola Marymount University's mission as a university in the Jesuit/Marymount, Catholic, and liberal arts traditions. Through intellectually demanding courses, it cultivates an understanding of both familiar and unfamiliar pasts and cultures and emphasizes how today's world evolved out of the contingent actions of and interactions between individuals and groups of people in the past. The study of history enables you to examine cultures, religions, and the interconnections among peoples and societies as complex historical phenomena, human structures open to historical interpretation and analysis. Historical perspective thus provides insight into the sequence of events, into the relationship between events at diverse times and places, and into the dynamism of structures and beliefs that can otherwise appear fixed or predetermined. The history curriculum will train you to be alert, critical, and inquisitive, able to identify your sources' biases and to contextualize their positions. Studying a broad range of places and times, you will become an informed global citizen, able to participate in public life with articulate, effective, and persuasive arguments. As you master a wide body of knowledge, you will gain cultural literacy and sensitivity, aware of your particular perspective while respecting others' backgrounds and points of view. Your own research will demonstrate that historical interpretation is always changing, while your ability to make sense of complex problems will make you an effective decision-maker. When you graduate, you will be prepared to follow any career you choose, armed with knowledge, skepticism, empathy, and eloquence.

The history curriculum at LMU thus emphasizes the potential for human action, showing how an individual's actions can change the world, even as it examines the structures necessary for that action.

### Prerequisites for Declaring a Major or Minor in History

At entry to the University, students declare the major/minor through the Office of Admission. LMU students wishing to declare the major/minor must first meet with the department chair, who will ordinarily sign the student's Change of Program form. The History Department requires a minimum LMU GPA of 2.0 (C) and the students should not be on academic probation. It also requires an average grade of C (2.0) in all history courses taken before declaring a major or minor, including courses at other institutions.

The history department accepts Advanced Placement courses in European and American history to fulfill lower division history requirements, provided the scores of the AP examinations are 5 or 4.

## History, B.A.

### Objectives

History is a set of evolving practices that allow us to interpret the past with clarity, rigor, and an appreciation for interpretive debate. It requires evidence, sophisticated use of information, and a deliberative stance to explain change and continuity over time. As a profoundly public pursuit, history is essential to active and empathetic citizenship and requires effective communication to make the past accessible to multiple audiences. As a discipline, history entails a set of professional ethics and standards that demand peer review, citation, and toleration for the provisional nature of knowledge. The LMU History Department's core competencies and student learning outcomes are adapted from the AHA Tuning Project: History Discipline Core (see <http://www.historians.org/teaching-and-learning/tuning/history-discipline-core>).

### History Student Learning Outcomes

1. Engage in historical inquiry, research, and analysis.
  - a. Develop a disciplined, skeptical stance and outlook on the world that demands evidence and sophisticated use of information.
  - b. Understand the dynamics of change over time.
  - c. Explore the complexity of the human experience, across time and space.
  - d. Evaluate a variety of historical sources for their credibility, position, and perspective.
  - e. Read and contextualize materials from the past with appropriate precision and detail.
2. Practice historical empathy.
  - a. Value the study of the past for its contribution to lifelong learning and critical habits of mind that are essential for effective and engaged citizenship.
  - b. Develop a body of historical knowledge with range and depth.
  - c. Recognize the ongoing provisional nature of knowledge.
  - d. Interpret the past in context; contextualize the past on its own terms.
  - e. Explore multiple historical and theoretical viewpoints that provide perspective on the past.
3. Understand the complex nature of the historical record.
  - a. Distinguish between primary and secondary materials and decide when to use each.
  - b. Choose among multiple tools, methods, and perspectives to investigate and interpret materials from the past.
  - c. Recognize the value of conflicting narratives and evidence.

4. Generate significant, open-ended questions about the past and devise research strategies to answer them.
  - a. Seek a variety of sources that provide evidence to support an argument about the past.
  - b. Develop a methodological practice of gathering, sifting, analyzing, ordering, synthesizing, and interpreting evidence.
  - c. Identify and summarize other scholars' historical arguments.
5. Craft historical narrative and argument.
  - a. Generate a historical argument that is reasoned and based on historical evidence selected, arranged, and analyzed.
  - b. Write effective narrative that describes and analyzes the past for its use in the present.
  - c. Understand that the ethics and practice of history mean recognizing and building on other scholars' work, peer review, and citation.
  - d. Defend a position publicly and revise this position when new evidence requires it.
6. Practice historical thinking as central to engaged citizenship.
  - a. Engage a diversity of viewpoints in a civil and constructive fashion.
  - b. Work cooperatively with others to develop positions that reflect deliberation and differing perspectives.
  - c. Apply historical knowledge and analysis to contribute to contemporary social dialogue.

## Major Requirements

### Lower Division Requirements:

16 semester hours, distributed as follows:

- Three lower-division history surveys:
  - 1 World or Europe (10xx, 11xx, or 12xx)
  - 1 US (13xx or 14xx)
  - 1 World Regions (Asia, Africa, Latin America, or Middle East): (15xx, 16xx, 17xx, or 18xx)
- One methodology and historiography course, HIST 2000 What Is History?

### Upper Division Requirements:

24 semester hours, distributed as follows and chosen in consultation with the student's advisor:

- 1 Europe (31xx, 32xx, 41xx, 42xx)
- 1 US (33xx, 34xx, 43xx, 44xx)
- 1 Transnational or World Region (30xx, 35xx, 36xx, 37xx, 38xx, 40xx, 45xx, 46xx, 47xx, or 48xx)
- 2 additional upper-division history courses (3xxx, 4xxx, or 5xxx)
- 1 Seminar (5000-5899)

Note:

An average grade of C (2.0) must be obtained in the courses included in the major.

## Secondary Teacher Preparation Program in Social Science (History)

For information on this program, see the Secondary Teacher Preparation Program section in this Bulletin.

### History Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as HIST major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements, provided students take an average of 16 hours each semester.

#### Freshman Year

##### Fall Semester

- HIST Lower Division 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

##### Spring Semester

- HIST Lower Division 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- HIST Lower Division 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

##### Spring Semester

- HIST 2000 What Is History? 4 semester hours
- HIST Upper Division 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

#### Junior Year

##### Fall Semester

- HIST Upper Division 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- HIST Upper Division 4 semester hours
- HIST Upper Division 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

### Senior Year

#### Fall Semester

- HIST Upper Division 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

#### Spring Semester

- HIST Seminar 5000-5899 4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

### History Minor

#### Minor Requirements

20 semester hours, distributed as follows:

- At least one History course in each of the three regions:
  - World/Europe (1000-1299, 3100-3299, 4100-4299)
  - United States (1300-1499, 3300-3499, 4300-4499)
  - World Regions (1500-1899, 3000-3099, 3500-3899, 4000-4099, 4500-4899)
- And at least 3 upper-division History courses.

### Humanities

#### Director

Alexandra Neel

#### Faculty

Professor: Áine O'Healy

Associate Professor: Alexandra Neel

### Humanities, B.A.

#### Objectives

The Humanities major is designed to meet the needs of a student who has a broad interest in liberal arts but whose interest would not

be served by a major program within a single department. The Humanities major is an interdisciplinary program that draws on courses taught in several departments in the Bellarmine College of Liberal Arts (History, English, Classics, Philosophy, Theological Studies, Modern Languages and Literatures) and the College of Communication and Fine Arts (Art History). In the first two years the student acquires a broad background in the arts, history, and literature. Language study through the advanced level is also required. In the second two years, the student concentrates in a particular area of interest. The concentration consists of four (4) upper-division courses taken from departmental offerings in Archaeology, Art History, Classics, English, French, German, Greek, History, Italian, Latin, Philosophy, Spanish, or Theological Studies. The concentration is then supported by three (3) upper-division courses from one or two supporting fields selected in consultation with the Humanities advisor. All Humanities majors are required to complete, in their final semester, a Capstone Project (HMNT 4997), which marks the culmination of the student's interdisciplinary course of study.

The program provides students with the motivation, knowledge, and skills necessary to read, write, and think critically about the issues that have occupied the writings of humanists for centuries, as well as to examine, question, and challenge their own moment in cultural history in light of the values associated with humanism.

The program is a fine preparation for students interested in professional courses in law, business, or education. Also, the program is designed to allow students to complete a major in a disciplinary area that would qualify them for graduate studies.

### Humanities Student Learning Outcomes

By virtue of pursuing a major in Humanities,

Students should know:

- How knowledge has been pursued, established, and critically evaluated in at least two different disciplines representing their concentration and supporting field of study
- The various ways in which artists have developed the fine arts to convey their sense of the world's surface and its depth
- A foreign language
- The content as well as analytical and communicative skills that the study of their concentration demands;

Students should be able to:

- Communicate insights clearly, effectively, and with nuance in both oral and written form
- Synthesize insights from a variety of disciplines
- Develop insights from one discipline for the enrichment of others;

Students should value:

- The variety of ways in which cognitive, moral, and aesthetic disciplines have enriched our sense of the human condition
- The further pursuit of those disciplines, as required by their deeper sense of the complexity of the human condition
- Their responsibility to serve the world as whole persons, with head, heart, and hand.

### Major Requirements

#### Lower Division Requirements:

19 semester hours distributed as follows:

8 semester hours from:

- ARHS 2000 Foundations of Western Art 4 semester hours
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours
- ARHS 2004 Modernism 4 semester hours

3 semester hours in Studio or Performance Arts.

8 semester hours from one of the following language sequences:

- CHIN 2103 Chinese 3 4 semester hours
- CHIN 2104 Chinese 4 4 semester hours
- FREN 2103 French 3 4 semester hours
- FREN 3104 Mastery of French 4 semester hours
- GRMN 2103 German 3 4 semester hours
- GRMN 2104 German 4 4 semester hours
- ITAL 2103 Italian 3 4 semester hours
- ITAL 2104 Italian 4 4 semester hours
- JAPN 2103 Japanese 3 4 semester hours
- JAPN 2104 Japanese 4 4 semester hours
- MDGK 2203 Intermediate Modern Greek I 4 semester hours
- MDGK 2204 Intermediate Modern Greek II 4 semester hours
- SPAN 2102 Spanish 2 4 semester hours
- SPAN 2103 Spanish 3 4 semester hours

Note:

An average grade of C (2.0) must be obtained in courses included in the major.

Upper Division Requirements:

At least 30 semester hours in upper division courses distributed as follows:

- 16 semester hours in concentration in a departmental major.
- 12 semester hours in one or two fields which supports the concentration.

And, in the final semester

2 semester hours focusing on the Capstone Project (HMNT 4997).

Note:

An average grade of C (2.0) must be obtained in courses included in the major.

The choice of a concentration and of support courses must be formally approved by the Director.

## Humanities Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- Foreign Language (100-level) 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

#### Spring Semester

- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- Foreign Language (100-level) 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- ARHS 2000 Foundations of Western Art 4 semester hours or
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours or
- ARHS 2004 Modernism 4 semester hours or
- Performing Arts 3 semester hours
- Foreign Language (200-level) 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-15 semester hours

#### Spring Semester

- ARHS 2000 Foundations of Western Art 4 semester hours or
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours or
- ARHS 2004 Modernism 4 semester hours or
- Performing Arts 3 semester hours
- Foreign Language (200-level) 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-15 semester hours

## Junior Year

### Fall Semester

- Upper Division Concentration *4 semester hours*
- Upper Division Support Field *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- Upper Division Support Field *4 semester hours*
- Upper Division Concentration *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

## Senior Year

### Fall Semester

- Upper Division Support Field *4 semester hours*
- Upper Division Concentration *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- HMNT 4997 Capstone Project *2 semester hours*
- Upper Division Concentration *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 12-14 semester hours

## Irish Studies

### Director

John Menaghan

### Irish Studies Minor

## Objectives

Irish Studies is an interdisciplinary minor designed to complement a wide variety of majors by providing students with an understanding of the historical and cultural development of the Irish people and the significance of their intellectual, artistic, spiritual, and economic contribution to world civilization, including their experiences as both a post-colonial nation and an emigrant diaspora. Taken together, Ireland's historical evolution; its long experience of colonization and cultural oppression; its rich contribution to world literature, art, and music; the creative tension in contemporary Ireland between its ancient Celtic heritage and its modern Anglo-Irish/Hiberno-English identity; and its remarkable though often unacknowledged influence upon the countries - chiefly the United States, Great Britain, Canada, Australia, New Zealand, and South Africa - that make up the far-flung Irish diaspora constitute a fertile field for intellectual inquiry.

Focused simultaneously on a small nation on the edge of Europe and a far-flung diaspora and offered within the context of the most culturally diverse city in the world, the minor in Irish Studies is designed to be not merely interdisciplinary but intercultural. At a time when the nearly simultaneous phenomena of a European drive toward unification and an American emphasis on diversity both complicate and enrich our very notions of what constitutes a nation, culture, or people, students minoring in Irish Studies will have the flexibility to explore the richness of the Irish experience from a broad range of perspectives and the opportunity to assess its influence not only in Europe and America but on struggles against cultural and political oppression around the globe.

## Irish Studies Student Learning Outcomes

Students minoring in Irish Studies are given opportunities to learn about:

- The general history of Ireland and the Irish diaspora
- The distinctive literary achievements of the Irish
- Irish achievements in cinema and dance
- Historical, religious, and moral issues in contemporary Irish politics
- The intersection/intermingling of Celtic and Christian worldviews
- The connection of Irish struggles for freedom and self-determination to similar struggles in the United States and around the world

Students minoring in Irish Studies will be given opportunities to develop:

- Their ability to perform research into several distinct aspects of the Irish experience
- Their ability to compose well-written and thoughtful essays on Irish history, politics, religion, and culture
- Their ability to evaluate and appreciate Irish achievements in the arts
- Their ability to make connections across disciplines, countries, and cultures

Students minoring in Irish Studies will be encouraged to value:

- The Irish struggle against cultural and political oppression and its relation and continuing relevance to similar struggles around the world
- The distinctive contributions of the Irish to European, American, and world civilization.

## Study Abroad

Students can earn up to eight semester hours toward the minor in Irish Studies in the LMU Summer in Ireland Program at Trinity College Dublin, one of the oldest and most renowned universities in the world. Students can also arrange to spend a semester or year abroad at an Irish university.

## Minor Requirements

LMU students wishing to declare the Irish Studies minor must meet with the program director. The director will sign the student's Change of Program form provided the student meets certain academic standards that include having a minimum LMU GPA of 2.0 (C) and not otherwise being on academic probation.

**20 semester hours, including at least one course in Irish literature and one in Irish history.** At least 12 semester hours must be in upper division courses. An average grade of C (2.0) must be maintained in Irish Studies courses.

## Note:

Courses offered in other departments and programs may be used as semester hours to fulfill the minor requirements in IRST, provided the student receives the approval of the Director in advance of taking the course. Students seeking such approval must arrange with the relevant instructor to complete a substantial paper/project on Ireland and/or the Irish diaspora and must submit a copy of same to the Director at the end of the course. No more than eight semester hours (2 such courses) may be applied toward the 20 total semester hours required to complete the Irish Studies minor. Such courses may also have departmental prerequisites; consult Course Descriptions for further details.

## Jewish Studies

### Director

Holli G. Levitsky

## Jewish Studies Minor

## Objectives

Jewish Studies provides an academically rigorous minor to examine Jewish history, culture, faith, and practice in its unity and diversity across geographic, political, historical, religious, and aesthetic boundaries and dimensions.

The Jewish Studies program is unique in that it provides:

1. A rigorous foundation for the academic minor, including interfaith study abroad courses
2. Regular opportunities for engaged learning, such as endowed lectureships, partnerships, and collaborations with museums, local and international colleges and universities, and Jewish organizations in Los Angeles; and special events for the University and the community. The Jewish Studies program sponsors three endowed events each year, which Jewish Studies minors can actively participate in.
3. Jewish Studies Scholarships, Fellowships, and Awards are available for academic excellence, student travel and research, financial need, and other special considerations.
4. The LMU Interfaith Course Development Grant is awarded each Fall to a faculty member to expand the course offerings in the area of interfaith relations.

The Jewish Studies program provides students with a diversity of Jewish perspectives and is open to students of all faiths and backgrounds. Through education and community outreach, the Jewish Studies program offers a profound opportunity to engage others directly and constructively in order to promote greater understanding and appreciation of Judaism and its relation to other faith traditions, and to act together upon such respect and understanding.

Faculty from a range of departments, schools, and colleges teach courses in Jewish Studies, many of which are cross-listed with Core and other University requirements. For questions relating to these and other matters in Jewish Studies, students should consult the Director of the Jewish Studies program.

## Jewish Studies Student Learning Outcomes

Students will know:

- The nature of the Jewish religious experience
- Significant aspects of Jewish history, culture, and literature/art

- Significant developments in and implications of Jewish/Christian relations

Students will be able to:

- Demonstrate critical reflection on significant aspects of Jewish history, culture, religion, and literature/art
- Conduct critical research and write intelligently and persuasively on issues within Judaism
- Synthesize and apply this knowledge to pursue justice locally and globally

Students will value:

- The rich contribution of the Jewish people to history, culture, religion, and literature/art
- The importance of inter-religious dialogue
- The living vitality of Jewish faith and culture through the promotion of justice.

## Study Abroad

LMU Jewish Studies offers two Study Abroad courses, alternating each summer: "Literature and Faith in the Holy Land," in Israel; and "Imagining the Holocaust," in Poland. In consultation with the Director, one or both of these courses can be applied toward the Jewish Studies minor. The LMU Semester exchange at Hebrew University in Jerusalem, and Study Abroad courses offered through other programs or colleges, may also satisfy Jewish Studies' requirements.

## Jewish Studies Minor Requirements

The foundational courses for the Jewish Studies minor address its interdisciplinary nature and the Jewish Studies mission to provide opportunities to engage the community. The required 20 semester hours must include JWST 3000 Modern Jewish History, JWST 3750 Judaism: Religion, History, and Culture (Ancient through Modern), two courses from the University Core, such as First Year Seminar: Literature of Exile and Terror, First Year Seminar: Modern Jewish Literature; Explorations: The Zionist Idea; Integrations: The History and Psychology of the Holocaust and Genocide. In consultation with the Program Director, other Core courses may satisfy this requirement. The final course requirement can be chosen from JWST 4900 Capstone Project, an approved Study Abroad course, or an approved course in Jewish literature, film, or culture.

## Liberal Arts

Liberal Arts courses (LIBA), offered by the Bellarmine College of Liberal Arts, are designed to enrich the academic, career-related, and life skills of our students.

## Liberal Studies

### Director

Bernadette Musetti

## Liberal Studies, B.A.

## Objectives

The Liberal Studies program enables the student to meet elementary education Multiple Subject teacher preparation standards. The Liberal Studies program curriculum likewise serves the Loyola Marymount University mission.

## Liberal Studies Student Learning Outcomes

The Liberal Studies program student will master the content required of professional educators in the State of California, to include:

- Key concepts in the following academic fields: the social sciences and history, the arts and humanities, language studies, mathematics and science, health, physical education, human development, and in an approved academic concentration of the candidate's choice
- Candidates will demonstrate their mastery of the subject matter by successfully passing the CSET (California Subject Examination for Teachers) at the completion of their coursework.

The Liberal Studies program student will master the skills required of professional educators in the State of California:

- To synthesize subject content in the liberal arts, professional content related to classroom teaching, and educational policies
- To apply reading, writing, and research skills appropriate to the work of the academic disciplines being studied
- To apply academic concepts to practical teaching contexts
- To analyze, reflect on, and evaluate the relationships among academic theories, the practical and applied contexts of teaching, and the multiple and complex needs of students comprising a rich and diverse globe
- Candidates will demonstrate the ability to synthesize and the other skills listed above in an exit interview at the completion of required coursework

The Liberal Studies program student will value:

- Intellectual inquiry across a range of subjects
- A world view comprising faith, social justice, and a respect for diversity
- The individual's role as a future educator who will shape the lives of children, local communities, and larger national and global societies;

Liberal Studies students will develop in their roles as:

- Critical thinkers and creative problem solvers
- Responsible local and global citizens
- Culturally responsive and reflective learners and practitioners
- Collaborators in a community of learners characterized by the Ignatian imagination
- Effective, caring educators who are advocates for equity
- Curricular leaders who value multiple ways of knowing.

There are five components to the Liberal Studies major:

### I. University Core Curriculum

#### *48 Semester Hours*

Subject-matter requirements for Liberal Studies majors are specific and may differ from those of other majors within the Bellarmine College of Liberal Arts. The core course requirements are spread across 13 courses and three areas—Foundations, Explorations, and Integrations—and include six core "flags."

#### **Foundations**

- First Year Seminar (3 OR 4 semester hours)
- Rhetorical Arts (3 OR 4 semester hours)
- Quantitative Reasoning: MATH 106 Mathematics for Elementary Teachers I (3 semester hours). Liberal

Studies majors must take a placement test and either test out of or take MATH 101 as a prerequisite to MATH 106.

- Theological Inquiry (4 semester hours)
- Philosophical Inquiry (4 semester hours)
- Studies in American Diversity: Choose from advisor-approved list of ethnic studies related content (4 semester hours)

#### **Explorations**

- Creative Experience: ART 250 Visual Arts for the Elementary Educator (3 semester hours)
- Historical Analysis and Perspectives: Select from advisor-approved list (4 semester hours)
- Nature of Science, Technology, and Mathematics: SCEM 270 Experimenting in Science I (4 semester hours)
- Understanding Human Behavior: PSYC 1000 General Psychology (4 semester hours)

#### **Integrations:**

Choose from advisor-approved list for Interdisciplinary Connections as well as for Ethics and Justice.

- Faith and Reason (4 semester hours)
- Ethics and Justice: EDUR 400 Sociocultural Analysis of Education (3 semester hours)
- Interdisciplinary Connections (4 semester hours)

#### Flags

Additionally, students fulfill the "flag" requirements as follows:

- Writing (2 flags)
- Oral Skills (1 flag)
- Information Literacy (1 flag)
- Quantitative Reasoning (1 flag)
- Engaged Learning (1 flag)

## II. Liberal Studies Major Requirements

#### *55 Semester Hours*

- ART 250 Visual Arts for the Elementary Educator 3 *semester hours*
- DANC 363 Multiple Ways of Knowing and Showing: Music and Dance 3 *semester hours*
- DANC 385 Movement Arts for Children 3 *semester hours*
- ENGL 3346 Children's Literature 4 *semester hours*
- GEOG 2000 World Geography 4 *semester hours*
- HIST 1010 Premodern World History 4 *semester hours*
- HIST 1050 Modern World History 4 *semester hours*
- HIST 1300 Becoming America 4 *semester hours* (or other advisor-approved course, such as HIST 1301 or HIST 1401)
- HIST 4412 History of California 4 *semester hours* (or advisor-approved course in history of California)
- LBST 4900 Capstone: Education and Global Issues 4 *semester hours*
- MATH 106 Mathematics for Elementary Teachers I 3 *semester hours*
- MATH 207 Mathematics for Elementary Teachers II 3 *semester hours*
- PSYC 1000 General Psychology 4 *semester hours*
- SCEM 270 Experimenting in Science I 4 *semester hours*
- SCEM 271 Experimenting in Science II 4 *semester hours*

## III. Education Program Requirements

## 21 Semester Hours

- EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 semester hours
- EDES 402 Teaching Reading in Today's Elementary Classrooms 3 semester hours \*
- EDES 414 Theories and Policies of Second Language Acquisition 3 semester hours
- EDES 425 Methods in English Language Development and Specially Designed Academic Instruction in English for Elementary Educators 3 semester hours \*
- EDES 434 Elementary Curriculum and Methods 3 semester hours \*
- EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs 3 semester hours
- EDUR 400 Sociocultural Analysis of Education 3 semester hours

### Note:

\* Starred courses require a separate application to and acceptance into the Elementary, Bilingual, or Special Education programs. Acceptance into these programs requires an LMU cumulative GPA of 3.0.

## IV. Electives

### 9-12 semester hours

Liberal Studies majors fulfill the Multiple Subjects student teaching requirement for the teaching credential by completing 9-12 semester hours of Directed Teaching, which are applied toward both the semester hour requirement for the baccalaureate degree in Liberal Studies and the requirements for the credential within the state of California. Whereas the B.A. degree in Liberal Studies and California teaching credential are separate, many requirements for the credential are earned through fulfilling the B.A. requirements, including student teaching, where this is met through elective units taken as Elementary Directed Teaching (EDCE 410).

## V. Concentration

### 12-20 semester hours

In addition to the above requirements, all Liberal Studies majors complete a minimum of 12 semester hours of coursework in a chosen area of concentration, which represents a subject area generally taught in elementary schools or a related area of study. With careful planning, the concentration can constitute most, if not all, of an LMU minor. Students must declare a concentration by the fall semester of their sophomore year. See the Bulletin for qualifying concentrations and their specific requirements.

### **Bilingual Authorization** (9 semester hours)

Credential candidates with the demonstrated requisite language proficiency can earn a bilingual authorization to teach in either Spanish or Mandarin in an elementary classroom. The authorization requires students to complete part of their coursework and student teaching in a bilingual classroom. The bilingual authorization may contribute to meeting other requirements as well, such as those for particular concentrations, including the concentration in Bilingualism and Biliteracy. See the Director of Bilingual Programs if interested in earning the bilingual authorization.

### Concentrations

Art History (ARHS)—18 semester hours

Think for a moment about the phrase, "A picture is worth a thousand words." What is it about an image that can convey so much thought

and emotion in an instant? Why is it that, when one thinks of a particular religion, culture, or society, the art forms instantly come to mind? One reason is that imagery is immediately accessible to the mind in a way that words and texts are not. The study of Art History is learning about history and human thought through artifacts and images. A work of art or architecture is a tangible historical document, one that can be read for information in the same way that one reads a book. An artifact, painting or building can provide very specific data and inform us on virtually every field of the human endeavor. In other words, Art History connects us to all the Humanities and Social Sciences in very vital ways. In our discipline, we concentrate on learning to glean information from works of art about the history of an age as well as the intellectual processes of the creators and appreciators of the art. Please see also the Studio Arts concentration.

- ARHS 2000 Foundations of Western Art (3 semester hours)
- ARHS 2002 Art and Society: Early Christian to Early Modern (3 semester hours)
- ARHS 2004 Modernism (3 semester hours)
- ARHS upper division courses (9 semester hours)

*The ARHS concentration constitutes a minor in ARHS.*

*Advisor: Dr. Kirstin Noreen, knoreen@lmu.edu, 310.338.3059*

Asian and Pacific Studies (ASPA)—16 semester hours

Asian and Pacific Studies, an interdisciplinary area studies program, provides a general background to the traditions and cultures of Asia and the Pacific as well as an understanding of contemporary issues relating to that region. Furthermore, given the recent shift of interest to the Pacific region, it aims to deepen the student's knowledge of Asia and the Pacific or of an Asian/Pacific country/area through a concentrated study in one academic discipline. This academic program, therefore, is intended to develop the student's personal interest in Asian and Pacific affairs and to prepare her or him for Asia-related career opportunities. All students are encouraged to spend some time in Asia through the various programs available to them.

- HIST 1800 Modern Asia: China, Japan, and Korea since 1600 (4 semester hours)
- Asian Language course (4 semester hours)
- Two upper division ASPA courses, approved by advisor (8 semester hours)

*A minor in ASPA requires one additional course, ASPA 5000.*

*Advisor: Dr. Robin Wang, rwang@lmu.edu, 310.338.5941, UH 3643*

Asian Pacific American Studies (APAM)—12 semester hours

Asian Pacific American Studies is a program that supports Loyola Marymount's commitment to multicultural education by offering courses that enhance student understanding of the history and contemporary issues that impact the lives of Asian Pacific Americans in the United States. People of all races and ethnicities are encouraged to enroll in APAM courses. Only through a critical understanding of our multicultural society can we begin to live together, learn together, work together, and forge new ties that bind together.

- APAM lower division course (4 semester hours)
- APAM upper division courses (8 semester hours)

*A minor in APAM requires one additional lower division, one upper division, and APAM 5000.*

*Advisor: Professor Constance Chen, cchen@lmu.edu, 310.338.2369*

Bilingualism and Biliteracy (BLBL)—12-13 semester hours

The Liberal Studies concentration in Bilingualism and Biliteracy is designed to allow credential candidates with the requisite language proficiency to also earn the Bilingual Authorization to teach bilingually, which at LMU currently is offered in Spanish and Mandarin. Required coursework includes the study of methodology, culture, and the processes of bilingualism and biliteracy. Students earning the authorization are required to do half of their student teaching in a bilingual setting as well. The required authorization courses follow either the Spanish or Mandarin track for a total of 9 semester hours. For students earning the LBST concentration in bilingualism and biliteracy, an additional upper division course, approved by the Director of Bilingual Programs at LMU will be required, for a total of 12-13 semester hours.

- Bilingualism and Biliteracy: Spanish Track
  - EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting (3 semester hours)
  - EDES 418 Bilingualism and Biliteracy (3 semester hours)
  - EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective (3 semester hours)
  - One additional concentration-related course as approved by the Bilingual Programs Director (3-4 semester hours)
- Bilingualism and Biliteracy: Mandarin Track
  - EDES 418 Bilingualism and Biliteracy (3 semester hours)
  - EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings (3 semester hours)
  - EDES 431 American/Chinese/Chinese American Cultures: An Interdisciplinary Perspective (3 semester hours)
  - One additional concentration-related course as approved by the Bilingual Programs Director (3-4 semester hours)

Advisor: Dr. Olga Moraga, [Olga.Moraga@lmu.edu](mailto:Olga.Moraga@lmu.edu), 310.338.3778, UH 2600

#### Chicana/o Studies (CLST)—16 semester hours

California schools are filled with Latino children. Currently, Latinos comprise over 38% of the state of California, and in Los Angeles, Latinos are 48% of the city's population. Of this group, over 70% are of Mexican heritage. More dramatically, the Los Angeles Unified School District reports that nearly 73% of its students are Latino. Future predictions indicate that immigration and birth rate will continue to contribute to a growing Latino population, specifically within the Mexican American community. Chicana/o Studies courses expose teachers to the critical tools necessary for understanding the immigrant experience in the United States. More importantly, the interdisciplinary training in Chicana/o Studies courses shows teachers how to think about the multiple social pressures that affect their students and supports multiple strategies for addressing the challenges that Latino and immigrant children experience in the classroom, in their communities, and in society. The department's emphasis on critical analysis, the historical perspective, experiential knowledge, and cultural production provides teachers with vital skills for the educational success of all students in their classrooms. Chicana/o Studies courses also help teachers understand the home life, economic realities, and cultural heritage of their students. In addition to course content, Chicana/o Studies professors use teaching and learning techniques that when transferred to the K-12 classroom can produce educational success: courses include creative problem-solving, student-centered learning, critical thinking, collaboration, oral communication, and clarity of expression. Finally,

teachers who aim to "give something back to their communities" will find support in Chicana/o Studies for a social justice imperative.

- CLST 1116 Introduction to Chicana/o-Latina/o Studies (4 semester hours; fulfills Studies in American Diversity core requirement)
- CLST 3360 Chicana/o History (4 semester hours; fulfills Historical Analysis and Perspectives core requirement)
- CLST upper division courses (8 semester hours)

A minor in CLST requires three additional courses, CLST 2206, CLST 4404, and CLST 5000.

Advisor: Dr. Karen Mary Davalos, [kdavalos@lmu.edu](mailto:kdavalos@lmu.edu), 310.338.5750, UH 4419

#### Dance (DANC)—18 semester hours

The Dance curriculum builds upon the foundation of dance as a humanistic experience. The study of dance as an art form serves as the heart of the course of study. Studio and theory coursework are designed to integrate practical dance experience with more formal academic study so that the student is educated as a dancer who can perform, write, and speak about the art of dance and dancing.

- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process (3 semester hours)
- DANC Theory upper division courses (9 semester hours), exclusive of DANC 384 and DANC 385 (c.f., Bulletin for courses designated as Theory)
- DANC Technique upper division courses (6 semester hours) (c.f., Bulletin for courses designated as Theory)

The Dance concentration constitutes a minor in DANC. Students should be aware that DANC 363 and DANC 385 cannot be applied towards the concentration requirement, although the Bulletin lists them among the options for the Theory requirement for the minor.

Advisor: Judy Scalini, [jscalini@lmu.edu](mailto:jscalini@lmu.edu), 310.338.5160, Burns 250

#### Early Childhood Education (ECED)—12 semester hours

The concentration in Early Childhood Education is designed for Liberal Studies majors with an interest in the development of children, from prenatal development to age eight. Students will comprehensively examine the whole child, prenatal development through age 8. In addition to an in-depth understanding of all developmental domains (cognitive, language, social, emotional, and physical), students will gain knowledge of theory, research, and developmentally appropriate best practices. Coursework includes an emphasis on significant issues found in early childhood education, such as environmental influences from the family and community, children with special needs, diversity, second language learners, and social justice.

- EDES 405 Infancy (3 semester hours)
- EDES 406 Early Childhood (3 semester hours)
- EDES 407 Child, Family, and Community (3 semester hours)
- EDES 408 Early Childhood Education Programs and Curriculum (3 semester hours)

Advisor: Liza Moritz Mastrippolito, [smastrip@lmu.edu](mailto:smastrip@lmu.edu), 310.568.6697, UH 2644

#### English (ENGL)—16 semester hours

Believing that literature is a profound expression of human experience, the English Department uses a range of critical methods to introduce students to literatures in English from a variety of cultural traditions. The course work reveals the art form's creative beauty, strategies for representing the human experience, and its

power to shape the reader. The English Department encourages an understanding of the critical and creative union of reading and writing as fundamental to the processes of developing the human self. Through their imaginations, students who concentrate or minor in English interact with language and literature, thereby encountering another equally open and attentive mind: that of the writer whose work they are reading.

- ENGL 2203 Histories: British Literature I (4 semester hours) or ENGL 2204 Histories: British Literature II (4 semester hours)
- ENGL 3371 American Literature I (4 semester hours) or ENGL 3372 American Literature II (4 semester hours)
- ENGL 2205 Creative Writing for Non-Majors (4 semester hours)
- ENGL upper division course (4 semester hours, exclusive of ENGL 3346)

Advisor: Dr. Stuart Ching, email: [sching@lmu.edu](mailto:sching@lmu.edu), 310.338.4451, UH 3863

History (HIST)—12 semester hours

The study of history is integral to Loyola Marymount University's mission as a university in the Jesuit/Marymount, Catholic, and liberal arts traditions. It contributes to "the encouragement of learning" through intellectually demanding courses that cultivate an understanding of both familiar and unfamiliar pasts and cultures. It educates "the whole person" by focusing on a multiplicity of perspectives and experiences, and by attempting to understand the lived, bodily experience of the "whole person" in the past. History courses ground discussions of "the service of faith and the promotion of justice" by putting these ideas in context, showing change over time, and emphasizing how today's world evolved out of the contingent actions of and interactions between individuals and groups of people. The study of history enables the student to examine cultures, religions, and the interconnections among peoples and societies as complex historical phenomena, human structures open to historical interpretation and analysis. Historical perspective thus provides insight into the sequence of events, into the relationship of events at diverse times and places, and into the dynamism of structures and beliefs that can otherwise appear fixed or predetermined. The study of history therefore also leads to greater sensitivity to and awareness of cultural differences and similarities, as well as conflicting interpretations of events.

Three four-semester-hour HIST courses (12 semester hours):

1. One of the following HIST courses (these are required for the Liberal Studies major):
  - a. HIST 1300 Becoming America, HIST 1301 America and the Atlantic World 1450-1850, HIST 1400 The United States and the World, OR HIST 1401 The United States and the Pacific World;
  - b. HIST 1010 Premodern World History OR HIST 1050 Modern World History;
  - c. HIST 4412 History of California
2. One lower-division HIST course in World Regions (Africa, Asia, Latin America, or Middle East); 15xx, 16xx, 17xx, or 18xx
3. One upper-division HIST course (3xxx or 4xxx) (may not include HIST 4412 History of California)

Advisor: Dr. Amy Woodson-Boulton, [Amy.Woodson-Boulton@lmu.edu](mailto:Amy.Woodson-Boulton@lmu.edu), 310.338.2808, UH 3434

Mathematics (MATH)—12 semester hours

Through the concentration in Mathematics, future teachers develop an increased understanding of mathematical ideas and learn how

creativity and imagination play an integral part of mathematics in general.

- At least 4 Mathematics courses numbered 104 or higher (12 semester hours) (exclusive of MATH 106, MATH 207, MATH 111, and MATH 112)

*Note: Students completing a MATH concentration should talk to the Liberal Studies Mathematics Concentration Advisor about offerings designed for future teachers.*

*Supplementary Authorization in (Introductory) Mathematics: A Supplementary Authorization in (Introductory) Mathematics allows one to teach mathematics through ninth grade (for more details on the Supplementary Authorization, visit the website of the California Commission on Teacher Credentialing). A Supplementary Authorization requires 20 semester hours of courses in mathematics (or 10 upper-division semester hours), including three semesters of calculus. If the courses for the concentration are chosen appropriately, **one** additional course (together with MATH 106 and MATH 207) will allow students to apply for a Supplementary Authorization in (Introductory) Mathematics.*

Advisor: Dr. Blake Mellor, [Blake.Mellor@lmu.edu](mailto:Blake.Mellor@lmu.edu), 310.338.5775, UH 2712.

Modern Languages and Literatures (Chinese-CHIN, French-FREN, German-GRMN, Italian-ITAL, or Spanish-SPAN)—16 semester hours

The Department equips students with language proficiency as it introduces them to the multicultural nature and historical evolution of literary and other texts in the target languages. Our courses provide opportunities to comprehend, interpret, and practice linguistic skills through oral and written exercises and assignments. Our courses include linguistics, literature, history, and the arts, through which students acquire an increasing commitment to the mission of the University. The Department strives to provide tools to foster transcultural understanding as the basis for mutual respect, global harmony, and social justice.

*Note: Students may be required to complete prerequisite language coursework prior to taking advanced language courses.*

- 4th semester language (4 semester hours) (CHIN 2104, FREN 3104, GRMN 2104, ITAL 2104, or SPAN 2804, etc.)
- 3 upper division courses (12 semester hours); refer to the LMU Bulletin for specific upper division requirement sequences for each language

*Students concentrating in CHIN, FREN, GRMN, and ITAL will be obtaining a minor. Students in SPAN will need a 4000-level course to obtain a minor.*

Advisors:  
(CHIN) Dr. Xiaojing Sun, [xsun5@lmu.edu](mailto:xsun5@lmu.edu), 310.338.3051, UH 3904  
(FREN) Dr. Véronique Flambard-Weisbart, [vflambar@lmu.edu](mailto:vflambar@lmu.edu), 310.338.3095, UH 3947  
(GRMN) Dr. Petra Liedke-Konow, [pkonow@lmu.edu](mailto:pkonow@lmu.edu), 310.338.3055, UH 3953  
(ITAL) Dr. Áine O'Healy, [aohealy@lmu.edu](mailto:aohealy@lmu.edu), 310.338.7423, UH 3945  
(SPAN) Dr. Alicia Partnoy, [apartnoy@lmu.edu](mailto:apartnoy@lmu.edu), 310.338.3011, UH 3961

Music (MUSC)—14 semester hours

The purpose of the Department of Music is to provide quality instruction for students who wish to pursue a career in music and for those who would like to enrich their lives through non-career oriented study and performance. Students and faculty work together to foster aesthetic involvement and creative and scholarly inquiry that support a vital community of music learning. Instruction

emphasizes a personal approach. Through the presentation of diverse musical programs, the department also sustains and enriches the cultural vitality of the university and its surrounding communities. The work of the department further supports the goals of Jesuit and Marymount education by strengthening the humanizing influence of music within the University and in the world at large.

- MUSC 121 Music Theory and Form I (3 semester hours)
- MUSC 133 Aural Skills I (1 semester hour)
- MUSC 122 Music Theory and Form II (3 semester hours)
- MUSC 134 Aural Skills II (1 semester hour)
- Any two of the following:
  - MUSC 316 Music History: Antiquity to 1600 (3 semester hours)
  - MUSC 317 Music History: 1600-1820 (3 semester hours)
  - MUSC 318 Music History: 1820 to Present (3 semester hours)

*In addition to the requirements above, a MUSC minor requires: an audition for admission, two semesters of applied emphasis (voice or instrumental lessons), two semesters of ensemble, the third semester of music history, and two semesters of foreign language (choices: French, German, or Italian).*

*Advisor: Dr. Mark Saya, Chair, Department of Music, msaya@lmu.edu, 310.338.3010, Burns 101*

Political Science (POLS)—20 semester hours

The department challenges and encourages students to be perceptive observers of political life in all its variety and richness; to seek a systematic understanding of the causes and consequences of political institutions, policies, and behavior; to develop a moral and ethical perspective that allows them to critically evaluate actions, institutions, and policies; and to prepare themselves for a life of active citizenship and involvement in creating a more just and humane world.

- Choice of two (8 semester hours) of the following:
  - POLS 1200 U.S. Politics (4 semester hours)
  - POLS 1400 Comparative Politics (4 semester hours)
  - POLS 1600 International Relations (4 semester hours)
  - POLS 2100 Empirical Approaches (4 semester hours)
- Three (3) POLS upper division courses (12 semester hours)

*In consultation with a POLS advisor regarding the selection of the upper division courses, this concentration may constitute a minor.*

*Advisor: Dr. Lance Blakesley, lblakesley@lmu.edu, 310.338.7377, UH 4127*

Psychology (PSYC)—12 semester hours

Students of psychology examine in depth and from a scientific perspective many aspects of human and animal behavior, emphasizing the biological, psychological, and sociocultural aspects of behavior and mental activity. The Department of Psychology provides students with the opportunity to apply these perspectives to a variety of individual, family, and community contexts.

- PSYC 3000-level courses (12 semester hours) (exclusive of PSYC 3052 in cases where that is an existing program requirement)

*Note that PSYC 1000 is a prerequisite for 3000-level psychology courses (it also will fulfill the Explorations: Understanding Human Behavior requirement in the University Core). A minor in PSYC requires the completion of three lower division courses and three upper division courses; a minor in PSYC will be accepted in place of the concentration above for students who pursue the minor.*

*Advisor: Dr. David Hardy, dhardy@lmu.edu, 310.338.5294, UH 4745*

Science (SNCE)—18 semester hours

The concentration in Science was designed to enable Liberal Studies majors with an interest in science to create an individualized program of study around a central theme. Each student will work with the Liberal Studies Science Advisor to identify an area of interest and formulate a curricular plan that provides each student with a strong foundation and enables him/her to develop a more in-depth understanding of the topic of interest by taking at least one and in many cases two upper division courses.

Satisfactory completion of the concentration in science will require that each student complete a minimum of 18-19 semester hours in one or more of the science disciplines. At least 3 of these semester hours must be upper division.

All concentrations in science will include 4 science core semester hours from SCEM 270 and 3 science education internship hours. The remaining 11-12 semester hours will form the core of the concentration in science and will reflect the central theme. The following examples are by no means exhaustive and are only provided to demonstrate the flexibility of the concentration; there is even room for flexibility within the samples below. Any student considering a concentration in science should make an appointment to discuss his/her options with the Liberal Studies Science Advisor as soon as possible to ensure adequate time to fulfill the requirements.

#### **Nutrition (Sample)**

- HHSC 150 Human Anatomy and Physiology 3 semester hours
- HHSC 230 Nutrition 3 semester hours
- HHSC 398 Special Studies Global Nutrition 3 semester hours
- HHSC 398 Special Studies Nutrition Service Learning Lab 3 semester hours
- HHSC 342 Peer Health Education 3 semester hours

Total: 13 semester hours

#### **Humans and the Environment (Sample)**

- ENVS 101 Introduction to Environmental Science 3 semester hours
- ENVS 250 Earth Science 3 semester hours
- ENVS 301 Environmental Science 3 semester hours
- BIOL 521 Urban Ecology 3 semester hours

Total: 12 semester hours

#### **Health (Sample)**

- BIOL 101 General Biology I 3 semester hours
- HHSC 170 Personal Health 3 semester hours
- HHSC 398 Special Studies: Obesity Behavior and Chronic Disease 3 semester hours
- HHSC 398 Special Studies: Public Health 3 semester hours

Total: 12 semester hours

#### **Genetics (Sample)**

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours

- BIOL 201 Cell Function 3 semester hours
- BIOL 202 Genetics 3 semester hours
- BIOL 375 Advanced Genetics 3 semester hours

Total: 14 semester hours

Advisor: Dr. Carolyn Viviano, Carolyn.Viviano@lmu.edu, 310.338.7828, North Hall 207

Sociology (SOCL)—16 semester hours

Teachers play a key role in the intellectual and social development of children, and the lessons they teach are important in determining the individual character, social responsibility, and future career paths of students. Sociology courses expose teachers to the distinctive perspectives, problems, and concerns of different persons and groups in society and suggest ways to resolve conflicts and produce more equitable and just relationships and communities. Sociology classes help teachers develop skills of creative problem solving, critical thinking, and collaborative interaction useful in the classroom and impart techniques of data collection and analysis which facilitate observation and evaluation of student performance.

- SOCL 1000 Principles of Sociology (4 semester hours)
- SOCL 3000 Sociological Theory (4 semester hours)
- SOCL upper division courses (8 semester hours)

A minor in SOCL requires one more course, SOCL 2000 or SOCL 2100.

Advisor: Dr. Anna Muraco, amuraco@lmu.edu, 310.338.1754, UH 4329

Special Education (SPED)—12 semester hours

The Special Education program in LMU's School of Education is designed to prepare undergraduate students to teach and work with children and youth with a variety of special needs. The Special Education concentration prepares students to work with students with Mild/Moderate disabilities in the General Education classroom. Through the SPED concentration students learn, for example, about major issues in Special Education, how to develop an IEP, and are able to observe and participate in K-12 classrooms with experienced teachers working with students with a variety of special needs. Students also benefit from a capstone course in SPED. The SPED concentration requires the following:

- EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs (3 semester hours) or
- EDSS 454 Major Issues and Foundations of Special Education (2 semester hours) and EDSS 455 Development of IEPs for Students with Exceptional Needs\* (1 semester hour)
- EDSS 453 Introduction to the Study of Disability and Special Education (3 semester hours)
- EDSS 427 Creating Effective Classrooms in Diverse Settings (3 semester hours)
- EDSS 444 Observation and Participation in General and Special Education Programs (3 semester hours)

\* Although EDSS 455 is not required for the LBST SPED Concentration if the student has taken EDSS 440, it is recommended that LBST students earning the SPED Concentration take this course as well.

A minor in SPED requires two additional courses— EDSS 436 Creating Collaborative Partnerships and EDSS 499 Independent Studies, taken as the Undergraduate Special Education Capstone Project (for a total of 18 semester hours). Students should consult

with the SPED concentration or minor advisor regarding sequencing of the coursework.

Advisor: Gloria Davidson, Gloria.Davidson@lmu.edu, 310.338.5209, UH 2100

Studio Arts (STAR)—18 semester hours

The Studio Arts concentration is designed to develop the Liberal Studies student in the visual arts, both personally and professionally. In this concentration you will learn a universal language through which diverse groups of people can communicate ideas, feelings, histories, and cultural traditions across boundaries of race, gender, age, and ethnicity. Decades of practice and a growing body of research have documented the links between arts education and the development of higher level thinking skills. Through this concentration, you will learn how art has the potential to enrich your life, and the lives of your future students.

- ART 153 Drawing I (3 semester hours) or ART 160 Two-Dimensional Design (3 semester hours)
- ART electives (15 semester hours, with at least 6 semester hours in upper division courses)

The Art concentration constitutes a minor in Art.

Advisor: Terry Lenihan, tlenihan@lmu.edu, 310.338.5130, Burns 155

Theatre Arts (THEA)—18 semester hours

The Theatre Arts curriculum is planned to provide a broad education in the humanities and to develop in the student an appreciation of the self and the universality of the human experience. Participation in the performing arts experience is central to this work. Some students may elect to emphasize work in the areas of acting, directing, playwriting, history/literature/criticism, or design/technical theatre. The Theatre Arts program is accredited by the National Association of Schools of Theatre.

- THEA lower division courses (6 semester hours)
- THEA upper division courses (12 semester hours)

The THEA concentration constitutes a minor in THEA; students interested in a THEA minor should consult with an advisor in the THEA department regarding sequencing of the coursework and the required participation in departmentally-sponsored events.

Advisor: Dr. Diane Benedict, dbenedic@lmu.edu, 310.338.1530, Foley 309

Urban Studies (URBN)—16 semester hours

Urban Studies is an interdisciplinary concentration focused on the dynamic processes shaping cities and the lives of their diverse residents. Those who choose a concentration in Urban Studies will be trained to analyze the implications of urbanization and urban policy in the context of social justice and sound environmental practices, recognize the role of rigorous scientific research in resolving the social and environmental problems associated with urbanization, and value community-based participation in the development of programs and policies that contribute to the social, economic, political, and environmental improvement of their communities and cities—all values they can pass on to their future students.

- URBN 1000 The Urban World (4 semester hours)
- URBN 1010 Urban Analysis (4 semester hours)
- Two of the following courses (8 semester hours):
  - URBN 3045 Urban Planning (4 semester hours)

- URBN 3046 Sustainable Cities (4 semester hours)
- URBN 3047 Community Development (4 semester hours)

*A minor in URBN requires one additional course: URBN 4000.*

*Advisor: Dr. Peter Hoffman, phoffman@lmu.edu, 310.338.7380, UH 4323*

Women's and Gender Studies (WGST)—12 semester hours

Women's and Gender Studies is an interdisciplinary field of study that places women at the center of traditional disciplines. It engages students in a critical understanding of the complex ways gender shapes the world around them, particularly in relation to race, sexuality, class, and other social factors. Women's and Gender Studies encourages the critical examination of academic fields such as humanities, social sciences, natural sciences, and the arts and the gendered assumptions underlying them. Pupils in grades K-5 need to learn about Women's and Gender Studies because women constitute about half of the world's population, women have contributed much to history and society, and because numerous social justice and gender justice issues remain unsolved.

- WGST 1000 Introduction to Gender Studies (4 semester hours) or WGST 1100 Gender, Race, and Sexuality in Contemporary Society (4 semester hours)
- Two WGST upper division courses (8 semester hours)

*A minor in WGST requires two additional courses.*

*Advisor: Dr. Stella Oh, Chair of Women's and Gender Studies, soh@lmu.edu, 310.338.4553, UH 4415*

## Liberal Studies Model Four-Year Plan

The typical course load for an undergraduate student is 15-16 semester hours per semester. The following model represents a student who is completing a 15-semester-hour concentration, does not need to complete any prerequisites for required coursework, and is pursuing the 2042 Multiple Subject teaching credential. Students with larger concentrations, those required to take MATH 101 (or other prerequisite coursework), and/or those seeking credentials in Bilingual or Special Education may need to "overload" during some semesters and/or complete summer coursework. **Please note that the model is provided as a guideline rather than a prescriptive course of study. Students will need to be flexible implementing the model plan, given variability of course availability and other potential scheduling issues in any given semester.**

*Note: This model does not include some School of Education requirements, which are not required for the Liberal Studies degree, but are required for the teaching credential (i.e., TPAs—Teaching Performance Assessments; Health course requirement). These requirements relate to the teaching credential and are independent of the Liberal Studies degree. **Students are required to consult with their academic advisor in the School of Education regarding the coordination and sequencing of specific School of Education requirements.***

### Freshman Year

#### Fall Semester

- HIST 1300 Becoming America 4 semester hours (or other U.S. History course from advisor-approved list only)
- ART 250 Visual Arts for the Elementary Educator 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

- MATH 106 Mathematics for Elementary Teachers I 3 semester hours
- PHIL 1800 Philosophical Inquiry 4 semester hours

Total: 17-18 semester hours

#### Spring Semester

- MATH 207 Mathematics for Elementary Teachers II 3 semester hours
- PSYC 1000 General Psychology 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-19 semester hours

## Sophomore Year

#### Fall Semester

- HIST 1010 Premodern World History 4 semester hours (or other from advisor-approved list only)
- DANC 385 Movement Arts for Children 3 semester hours
- EDUR 400 Sociocultural Analysis of Education 3 semester hours
- GEOG 2000 World Geography 4 semester hours
- SCEM 270 Experimenting in Science I 4 semester hours

Total: 18 semester hours

#### Spring Semester

- HIST 1050 Modern World History 4 semester hours (or other from advisor-approved list only)
- EDES 414 Theories and Policies of Second Language Acquisition 3 semester hours
- EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs 3 semester hours
- SCEM 271 Experimenting in Science II 4 semester hours
- Concentration Course 3-4 semester hours

Total: 17-18 semester hours

## Junior Year

#### Fall Semester

- HIST 4412 History of California 4 semester hours
- DANC 363 Multiple Ways of Knowing and Showing: Music and Dance 3 semester hours
- EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 semester hours
- ENGL 3346 Children's Literature 4 semester hours
- Concentration Course 3-4 semester hours

Total: 17-18 semester hours

#### Spring Semester

- LBST 4900 Capstone: Education and Global Issues 4 semester hours

- EDES 425 Methods in English Language Development and Specially Designed Academic Instruction in English for Elementary Educators 3 semester hours
- EDCE 461 Teaching Performance Assessment 1 0 semester hours
- University Core 3-4 semester hours
- Concentration Course 3-4 semester hours

Total: 13-15 semester hours

## Senior Year

### Fall Semester

- EDCE 462 Teaching Performance Assessment 2 0 semester hours
- EDES 402 Teaching Reading in Today's Elementary Classrooms 3 semester hours
- EDES 434 Elementary Curriculum and Methods 3 semester hours
- EDES 8000 Health Education 1 semester hour CPR Infant, Adolescent, and Adult (1 non-degree semester hour)
- University Core 3-4 semester hours
- Concentration Course(s) 3-8 semester hours

Total: 12-18 semester hours

### Spring Semester

- EDCE 410 Elementary Directed Teaching 9 TO 12 semester hours
- EDCE 463 Teaching Performance Assessment 3 0 semester hours
- EDCE 464 Teaching Performance Assessment 4 0 semester hours

Total: 9-12 semester hours

### Note:

*Coursework completed during this semester must be coordinated such that it does not conflict with the student teaching assignment.*

This four-year plan serves only as a general model. Please meet with your advisor at least once a semester to discuss your progress in the program and plans for future semesters.

## Modern Greek Studies

### Modern Greek Studies Minor

#### Objectives

The Modern Greek Studies minor offers an interdisciplinary program for students interested in studying Modern Greece—its language and culture, politics and history, Christian Orthodox tradition, literature and arts. LMU's Odyssey Study Abroad Program gives students the opportunity to study in Greece during the summer. The minor complements a wide range of academic fields and disciplines and is aimed at students interested in interdisciplinary international studies. It promotes intercultural awareness and understanding and provides the tools for students to become engaged global citizens.

#### Student Learning Outcomes

Students minoring in Modern Greek Studies will know:

- the principle aspects of Modern Greek language and culture
- the principle topics of Modern Greek politics and history
- the beliefs and practices of the Greek Orthodox Tradition in a theological, historical, and cultural context
- representative works of Modern Greek literary and artistic production as well as the theoretical tools for their understanding and critical analysis

Students minoring in Modern Greek Studies will be able to:

- understand and communicate effectively in Modern Greek
- make critical connections between past and present Greek history, literature, and culture
- understand Modern Greece in a global context
- express themselves with clarity, coherence, and intellectual force orally and in writing

Students minoring in Modern Greek Studies will value:

- the distinctive contributions of Greek culture (past and present) to the world
- multilingualism, multiculturalism, and inter-religious dialogue
- connects across academic disciplines and their application to real-life issues
- global awareness and respect for others

## Minor Requirements

The minor in Modern Greek Studies consists of 20 semester hours, of which at least 12 hours must be at the 3000 or 4000 level. The following distribution is recommended, with the approval of the Director of the minor:

- 8 semester hours of Modern Greek language instruction (2 courses at the appropriate level)
- 12 semester hours of upper division courses offered by the Modern Greek Studies program and/or affiliated departments (3 courses at the 3000 and 4000 level)

Students minoring in Modern Greek Studies may design their own individualized program in consultation with the Director of the Center and their advisor. Students are strongly encouraged to participate in the Odyssey Study Abroad Program in Greece for a full immersion experience.

### Note:

Students with previous knowledge of the language or with course credit are requested to contact the program Director to schedule a placement exam.

## Modern Languages and Literatures

### Faculty

Chairperson: Rebeca Acevedo

Professors: Rebeca Acevedo, Jennifer L. Eich, Véronique Flambard-Weisbart, Áine O'Healy, Alicia Partnoy

Associate Professors: José Ignacio Badenes, S.J., Mónica Cabrera, Petra Liedke Konow, Marc Lony, Antonia Petro

### Objectives

The Department equips students with language proficiency as it introduces them to the multicultural nature and historical evolution of literary and other texts in the target languages. Offered courses provide opportunities to comprehend, interpret, and practice linguistic skills through oral and written exercises and assignments. Through a judicious selection of required courses and electives that include literature, history, and the arts, students acquire an

increasing commitment to the mission of the University. The Department thrives to provide tools to foster transcultural understanding as the basis for mutual respect, global harmony and social justice.

### Major and Minor Requirements

Students can declare a major in French, Modern Languages, or Spanish, or a minor in Chinese, French, German, Italian, or Spanish, at entry to the University, through the Office of Admission. Students wishing to declare a major/minor in the Department of Modern Languages and Literatures after admission to LMU must meet with a professor from that particular program. A Change of Program form will be signed by the chairperson, provided that the student has a minimum LMU GPA of 2.0 (C).

Lower division language courses (1000-2000 level) may not be challenged by exam. Students may be exempt from these courses by placing above that level through the LMU online Placement Exam for Chinese, French, German, or Spanish, and by professor evaluation for Italian and Japanese. A minimum grade of C (2.0) is required in all lower division language courses to major or minor in those languages.

Students that need more semester hours to complete the major/minor because of their language placement must take additional courses in the corresponding language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., Asian Pacific Studies, European Studies, Humanities) in consultation with the corresponding language advisor and the Department Chair.

Students with significant course credit in a language from high school or college will not be allowed to enroll in the 1101 course of that language.

The Department offers lower division language courses (1000-2000 level) in Chinese, Japanese, and Filipino which satisfy the language requirements for the Asian and Pacific Studies major and minor.

### Language Placement Exam

The online LMU Placement Exam measures student language skills in Chinese, French, German, or Spanish (by professor evaluation for Italian and Japanese) so that (s)he may be placed in the appropriate level of coursework in the Department of Modern Languages and Literatures.

The score is used for language placement advising purposes only.

### FAQ

*When do I need to take a foreign language exam?*

You need to take this exam ONLY...

1. If you have taken Chinese, French, German, or Spanish language courses in any educational setting (for example, at a high school or community school or at another university if you are a transfer student) AND you wish to continue taking classes in these languages during the first three semesters at LMU.
2. If you have taken AP language and/or literature courses in the above languages.
3. If you are interested in a minor or major in the above languages so that you can begin at the appropriate level of coursework immediately.
4. If you plan to take language or literature courses in a study abroad program in a country where Chinese, French, German, or Spanish are the language of instruction: Summer, semester, and year-long study

abroad programs sometimes require previous foreign language study.

5. If you are a heritage speaker who has learned the language at home and wishes to take language or literature courses in Chinese, French, German, or Spanish.
6. If you have been admitted to the University Honors Program and hope to place out of some or all of your foreign language requirement.

PLEASE NOTE: If you have NEVER studied Chinese, French, or German, and wish to do so, you would sign up for the 1101 level course in that language; however, all students interested in taking a Spanish course, including SPAN 2101, must take the placement exam. If you plan to study or travel abroad in the summer before entering LMU, please wait until you return to take the language placement exam.

*Where do I take the exam?*

You take the exam online. Log into MYLMU, click System Logins > MYLMU Connect. Then click the link "Orientation and Registration Tutorial." Inside the tutorial, on the left side, click the link "Placement Exams." Then click the link for Language Placement and follow the instructions. If you do not have access to the "Orientation and Registration Tutorial" or cannot access the placement exam for any reason, please contact the Modern Languages and Literatures department at 310.338.3051.

*How long does the exam take?*

The test takes approximately 20 minutes.

*Can I use books such as a dictionary? Should I guess at the answers?*

It is TO YOUR BENEFIT that you answer the questions honestly and without the support of notes, textbooks, parents, or friends: doing otherwise will be considered cheating. In addition, the score will likely place you at a level of coursework above the appropriate one based on your experiences and academic studies.

*How do I get my score? Does my advisor get it?*

Your score and placement will be displayed at the end of the exam and will be accessible to your advisor through PROWL. However, you are strongly encouraged to save a copy for advising and registration.

*What if I have problems taking the exam?*

Please contact the ITS helpdesk at 310.338.7777.

### Filipino

The courses are designed to develop student competency in Filipino/Tagalog focusing first on the sounds and rhythm of the language, vocabulary building, and sentence patterns. A functional-situational approach to language learning is utilized to develop an understanding and appreciation of Filipino culture and customs associated with the use of various linguistic forms. All levels will enhance and work toward increased proficiency in speaking, listening, reading, and writing through language games and exercises.

### Foreign Literature in English Translation

No knowledge of the foreign language is required.

### Japanese

The courses develop listening, speaking, reading, and writing skills using the direct method. Grammar points are explained in English. The student is provided an opportunity to practice conversation with native speakers to further improve oral skills. Selected topics are presented to enhance awareness and understanding of Japanese culture.

Students with significant course credit in Japanese from high school or college will not be allowed to enroll in JAPN 2101. Students with

more advanced knowledge must consult with the departmental chair or with a professor in Japanese for evaluation before enrolling in a Japanese language class.

## French, B.A.

### Objectives

The French curriculum is designed to enhance students' understanding of the French/Francophone world by exposing them to French/Francophone cultures and perspectives. It also responds to the increasing demand for a more practical emphasis in language learning after the lower division level and allows students to tackle the professional world immediately beyond graduation. LMU's Summer Study Abroad Program in Paris, France, may complement the French program.

### French Student Learning Outcomes

Student Learning Outcomes will be assessed through a Senior Capstone Project (FREN 4990), which consists of a portfolio during the last semester of the senior year. The portfolio is a collection of multiple samples usually compiled over time accompanied by a personal reflection essay, which would show that the student has met the objectives of the French program.

Majors in French will know:

- The variety and nature of linguistic practices of French-speaking populations
- The variety and nature of cultural texts of French-speaking populations
- The variety and nature of cultural perspectives in the Francophone world at large
- The representative literary works and cultural texts of Francophone cultures and civilizations, and other diasporic French-speaking populations
- The principal aspects of cultural expressions such as literature, art, social practices, gender, and media of the Francophone world at large
- Theoretical terminology and concepts essential to analyze literary and cultural products.

Majors in French will be able to:

- Understand spoken French at the appropriate level
- Speak French at the appropriate level
- Read French at the appropriate level
- Write French at the appropriate level
- Use acquired theoretical and critical skills to textual analysis and scholarly research
- Demonstrate an informed knowledge of literary works developed by French-speaking populations
- Demonstrate an informed knowledge of cultural works developed by French-speaking populations
- Demonstrate an informed knowledge of linguistic varieties developed by French-speaking populations.

Majors in French will demonstrate an appreciation for:

- The evolution and variety of perspectives in French-speaking cultures
- The mission of our University
- Transcultural similarities and differences.

### Major Requirements

Lower Division Requirements:

12 semester hours in lower division courses:

- FREN 2101 French 1 *4 semester hours*
- FREN 2102 French 2 *4 semester hours*
- FREN 2103 French 3 *4 semester hours*

Note:

These requirements may be waived or modified based upon proficiency demonstrated on the LMU French Placement Examination. For majors, a minimum grade of C (2.0) is required in all pre-major courses.

### Upper Division Requirements:

26 semester hours in upper division courses:

- FREN 3104 Mastery of French *4 semester hours*
- FREN 3240 History of Ideas *4 semester hours*
- FREN 3450 Stylistics and Translation *4 semester hours*
- FREN 3850 Writing Workshop in French *4 semester hours*
- Two (2) courses in the 4000-level series *8 semester hours*
- FREN 4990 Senior Capstone Project *2 semester hours*

Note:

A minimum grade of C (2.0) must be maintained in all upper division courses.

### French Placement Exam

Any student who has knowledge of or has had prior instruction in French in high school or at a college or university other than LMU must take the French Placement Exam.

This requirement includes students who have taken the AP French Exam in high school. Generally, a student who receives a score of 5 or 4 on the AP French Exam (Language or Literature) places in FREN 2103. Final placement is conditional upon the instructor's consent. Course credit will be given for FREN 2101 and FREN 2102 once the student's official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in French, please refer to the guidelines provided under Modern Languages and Literatures.

Students that need more semester hours to complete the major because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., EURO, HMNT) in consultation with the language advisor and the Department Chair.

### French Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

## Freshman Year

### Fall Semester

- FREN 2101 French 1 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- FREN 2102 French 2 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

## Sophomore Year

### Fall Semester

- FREN 2103 French 3 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- FREN 3104 Mastery of French 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

## Junior Year

### Fall Semester

- FREN 3850 Writing Workshop in French 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

### Spring Semester

- FREN 3450 Stylistics and Translation 4 semester hours
- FREN 4000-level Elective 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

## Senior Year

## Fall Semester

- FREN 3240 History of Ideas 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

## Spring Semester

- FREN 4990 Senior Capstone Project 2 semester hours
- FREN 4000-level Elective 4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 15-18 semester hours

## Modern Languages, B.A.

### Objectives

The aim of the Modern Languages Major is twofold: to enable students to develop proficiency in the four language skills-aural, oral, speaking, and writing-in two modern languages (Language/concentration A and Language/concentration B), and to develop cultural literacy. Two of the following languages offered in the Department of Modern Languages and Literatures can be combined for the Modern Languages major: Chinese, French, German, Italian, and Spanish. Students start Language/concentration A at least in the third semester (CHIN 2103, FREN 2103, GRMN 2103, ITAL 2103, SPAN 2103) and Language/concentration B at least in the first semester (CHIN 2101, FREN 2101, GRMN 2101, ITAL 2101, SPAN 2101).

Through a structured and carefully planned group of course offerings and a strong recommendation to participate for a semester or a summer in study abroad programs, the Modern Languages Major will prepare students for a world in which intercultural understanding provides the basis for mutual respect, global harmony, and social justice.

The program will encourage and advise students to embark in study abroad experiences, research opportunities, extracurricular activities, and community-based learning opportunities that will prepare them to speak, understand, and write two foreign languages as well as linguistically analyze them, to know the principal aspects of some of the cultures where those languages are spoken, and to exercise intercultural awareness.

The major is highly desirable for those interested in international communications and access to immigrant populations, in areas including but not limited to business, teaching, social work, theology, law, theatre, and the visual arts. Competence in more than one foreign language, a keen awareness of cultures, and an understanding of the structure of language itself is a compelling combination of skills that will prepare the student for employment in a globalized economy.

Modern Languages majors who have German in their choice of languages concentrations and a minimum GPA of 3.5 are eligible to apply once per year for the Conrad Lester merit-based scholarship.

Students that need more semester hours to complete the major because of their language placement must take additional courses in the corresponding languages. In the event that there are no

courses in the languages, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., ASPA, EURO, HMNT) in consultation with the Modern Languages major advisor and the Department Chair.

## Modern Languages Student Learning Outcomes

Modern Languages majors will know:

- The principal aspects of two foreign languages and cultures
- The tools to analyze languages and cultures
- The principal aspects of two cultures and civilizations through the study of their cultural productions such as literature, art, social practices, and media.

Modern Languages majors will be able to:

- Speak, understand, and write two foreign languages as well as linguistically analyze them
- Read a variety of texts in two languages and discuss their content, technique, and cultural significance.

Modern Languages majors will be able to demonstrate that they value:

- Two distinct cultures and civilizations and their cultural productions
- Increasing intercultural awareness
- Multilingualism and the world it opens up for them.

## Major Requirements

### Lower Division Requirements:

20-24 semester hours consisting of a selection of courses in two languages/concentrations from:

Chinese:

- CHIN 2101 Chinese 1 *4 semester hours*
- CHIN 2102 Chinese 2 *4 semester hours*
- CHIN 2103 Chinese 3 *4 semester hours*
- CHIN 2104 Chinese 4 *4 semester hours*

French:

- FREN 2101 French 1 *4 semester hours*
- FREN 2102 French 2 *4 semester hours*
- FREN 2103 French 3 *4 semester hours*

German:

- GRMN 2101 German 1 *4 semester hours*
- GRMN 2102 German 2 *4 semester hours*
- GRMN 2103 German 3 *4 semester hours*
- GRMN 2104 German 4 *4 semester hours*

Italian:

- ITAL 2101 Italian 1 *4 semester hours*
- ITAL 2102 Italian 2 *4 semester hours*
- ITAL 2103 Italian 3 *4 semester hours*
- ITAL 2104 Italian 4 *4 semester hours*

Spanish:

- SPAN 2101 Spanish 1 *4 semester hours*
- SPAN 2102 Spanish 2 *4 semester hours*
- SPAN 2103 Spanish 3 *4 semester hours* or
- SPAN 2113 Spanish 3 for Latino Students *4 semester hours*
- SPAN 2804 Stylistics and Composition *4 semester hours*

### Upper Division Requirements:

33-37 semester hours in upper division courses:

Chinese:

- CHIN 3605 Chinese 5 *4 semester hours* required
- CHIN 3606 Chinese 6 *4 semester hours* required
- 1 upper division CHIN course *4 semester hours*

French:

- FREN 3104 Mastery of French *4 semester hours* required
- FREN 3240 History of Ideas *4 semester hours* required
- FREN 3450 Stylistics and Translation *4 semester hours* required
- FREN 3850 Writing Workshop in French *4 semester hours* required

German:

- GRMN 3105 Mastery of German *4 semester hours* required
- 2 upper division GRMN courses *8 semester hours*

Italian:

- 3 upper division ITAL courses *12 semester hours*

Spanish:

- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours* required
- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours* required
- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*

8 semester hours

- MDLG 3400 Linguistics *4 semester hours*
- MDLG 4400 Applied Linguistics *4 semester hours* or
- FNLT 4200 Comparative Cultures *4 semester hours*

1 semester hour

- MDLG 4990 Senior Capstone Project *1 semester hour*

## Modern Languages Model Four-Year Plan

The normal course load is 16 semester hours per semester (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as all major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- Language/concentration A 2103 4 semester hours
- Language/concentration B 1101 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

#### Spring Semester

- Language/concentration A 2104 4 semester hours (or FREN 3104 for FREN, or SPAN 2804 for SPAN)
- Language/concentration B 1102 4 semester hours (or SPAN 2102 for SPAN)
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

### Sophomore Year

#### Fall Semester

- Language/concentration A Upper Division 4 semester hours
- Language/concentration B 2103 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

#### Spring Semester

- Language/concentration A Upper Division 4 semester hours
- Language/concentration B 2104 4 semester hours (or FREN 3104 for FREN, or SPAN 2804 for SPAN)
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

### Junior Year

#### Fall Semester

- MDLG 3400 Linguistics 4 semester hours
- Language/concentration A Upper Division 4 semester hours

- Language/concentration B Upper Division 4 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

#### Spring Semester

- Language/concentration B Upper Division 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

### Senior Year

#### Fall Semester

- MDLG 4400 Applied Linguistics 4 semester hours or
- FNLT 4200 Comparative Cultures 4 semester hours

- Language/concentration B Upper Division 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

#### Spring Semester

- MDLG 4990 Senior Capstone Project 1 semester hour
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-17 semester hours

## Spanish, B.A.

### Objectives

This major equips students with language proficiency in Spanish as it introduces them to the multicultural nature and historical evolution of literary and cultural expressions in the target language. It provides students with opportunities to comprehend, interpret, and practice advanced linguistic skills in Spanish through oral and written exercises and assignments. Survey and seminar classes familiarize them with representative literary works and cultural texts from Spain, Latin America, the U.S., and other diasporic Spanish-speaking populations. Our students become familiar with theoretical terminology and concepts essential to analyze these and other cultural products. The major also includes the study of Spanish phonology, morphology, syntax, and dialectal varieties. Students consistently participate in intercultural events and service learning activities in academic and culturally significant contexts. They acquire an increasing commitment to the mission of the University.

### Spanish Student Learning Outcomes

Spanish majors will know:

- The variety and nature of linguistic practices of Spanish-speaking populations
- The variety and nature of cultural texts of Spanish-speaking populations
- The variety and nature of cultural perspectives of Spanish-speaking populations
- Representative literary works and cultural texts from Spain, Latin America, the U.S., and other Spanish-speaking populations
- Theoretical terminology and concepts essential to analyze literary and cultural texts.

Spanish majors will be able to:

- Understand spoken Spanish at the appropriate level
- Speak Spanish at the appropriate level
- Read Spanish at the appropriate level
- Write Spanish at the appropriate level
- Use acquired theoretical and critical skills to textual analyses and scholarly research
- Demonstrate an informed knowledge of literary works developed by Spanish-speaking populations
- Demonstrate an informed knowledge of cultural products developed by Spanish-speaking populations
- Demonstrate an informed knowledge of linguistic varieties developed by Spanish-speaking populations.

Spanish majors will also demonstrate an appreciation for:

- The evolution and variety of perspectives in Spanish-speaking cultures
- The mission of our University
- Transcultural similarities and differences.

## Major Requirements

### Prerequisite

- SPAN 2101 Spanish 1 *4 semester hours*

### Lower Division Requirements:

12 semester hours in lower division courses:

- SPAN 2102 Spanish 2 *4 semester hours*
- SPAN 2103 Spanish 3 *4 semester hours* or
- SPAN 2113 Spanish 3 for Latino Students *4 semester hours*
- SPAN 2804 Stylistics and Composition *4 semester hours*

Note:

SPAN 2101, SPAN 2102, and SPAN 2103/2113 may be satisfied by placing above that level through the LMU Spanish Placement Exam. A minimum grade of C (2.0) is required in all lower division Spanish courses.

### Upper Division Requirements:

The major in Spanish requires 25 semester hours in upper division courses: 8 semester hours in SPAN 3510, SPAN 3410; 8 semester hours in SPAN 3541, SPAN 3521, or SPAN 3431; 8 semester hours in 4000-level Spanish electives; and SPAN 4990, a senior capstone project (1 semester hour). Students are permitted to take up to 33

upper division hours in Spanish. Students must complete all upper division courses with a minimum grade of C (2.0).

### Senior Capstone Project: Portfolio Requirements:

Spanish majors are required to register for a one-credit course (SPAN 4990 Senior Capstone Project) during, or after, their last semester in the Spanish major program. Each graduating student constructs a portfolio that includes a collection of previous works, a brief description of extracurricular activities connected with the Spanish major, and a reflective essay in Spanish demonstrating how the goals of the program were met. These goals are language proficiency, cultural competency, mastery of literary and linguistic studies, development of a sense of social justice, and transcultural understanding. An oral presentation of the portfolio to a faculty panel is required.

Guidelines for the elaboration of the portfolio and the oral presentation are available in the Modern Languages and Literatures Department. This course is graded Credit/No Credit.

### Secondary Teacher Preparation Program (STTP) for Spanish

Students interested in obtaining a Spanish secondary teaching credential for the State of California must fulfill the requirements for the Spanish major and take two additional Spanish courses: SPAN 4252 and SPAN 4474 or their equivalents. They will also have to take courses and do their teaching practice under the School of Education. To complete all requirements in four years, Spanish majors are encouraged to start this process early by contacting the Center for Undergraduate Teacher Preparation (CUTP) to learn about the School of Education requirements.

For additional information, contact Professor Alicia Partnoy, STPP-Spanish Director.

### LMU Spanish Placement Exam

Any student who has knowledge of or has had prior instruction in Spanish in high school or at a college or university other than LMU must take the LMU Spanish Placement Exam.

This requirement includes students who have taken an AP Spanish Exam in high school. A student who receives a score of 5 or 4 on the AP Spanish Exam (Language and/or Literature) might place in SPAN 2103 Spanish 3 or SPAN 2113 Spanish 3 for Latino Students. Final placement is conditional upon the instructor's consent. The student's CAPP report will reflect credit for SPAN 2101 and SPAN 2102 after official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in Spanish, please refer to the guidelines provided under Modern Languages and Literatures.

Students that need more semester hours to complete the major/minor because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., EURO, HMNT) in consultation with the language advisor and the Department Chair.

### Study Abroad

Students are strongly encouraged to take language courses abroad for a semester either during their sophomore year (Spring semester) or junior year (Fall or Spring semester). Prior to departure, students must obtain transfer credit approval for any courses that they plan to take. No more than two Spanish courses will transfer for the major. Consult the Study Abroad Office or the Spanish language professors for information about semester, year-long, or summer study abroad programs offered by other universities other than those that the Spanish program endorses.

## Spanish Model Four-Year Plan

The normal course load is 16 semester hours per semester (4 classes). By following the model below, a student who places at the second semester level of Spanish (SPAN 2102) at the time of admission into our program will complete most major prerequisites and all lower division core requirements by the end of the sophomore year. Students with no previous knowledge of Spanish will be able to complete the program in four years if they are willing to take a Spanish course approved by our department, either abroad or at another institution during the summer. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- SPAN 2102 Spanish 2 *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 2103 Spanish 3 *4 semester hours* or
- SPAN 2113 Spanish 3 for Latino Students *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- SPAN 2804 Stylistics and Composition *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 Semester Hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours* or

- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours* or
- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Senior Year

#### Fall Semester

- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*
- SPAN 4000-level *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- SPAN 4990 Senior Capstone Project *1 semester hour*
- SPAN 4000-level *4 semester hours*
- University Core *3-4 semester hours*

- Upper Division Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 14-17 semester hours

## Spanish Model Four-Year Plan-For Students Starting at an Advanced Level of Proficiency

The normal course load is 16 semester hours per semester (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the first semester freshman year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- SPAN 2804 Stylistics and Composition 4 *semester hours*
- FFYS 1000 First Year Seminar 3 OR 4 *semester hours*
- University Core 3-4 *Semester Hours*
- University Core 3-4 *Semester Hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 3410 Spanish Linguistics 1: Sounds and Words 4 *semester hours* or
- SPAN 3510 Introduction to Hispanic Literatures 4 *semester hours*
- RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*
- University Core 3-4 *Semester Hours*
- University Core 3-4 *Semester Hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- SPAN 3410 Spanish Linguistics 1: Sounds and Words 4 *semester hours* or
- SPAN 3510 Introduction to Hispanic Literatures 4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 3431 Spanish Linguistics 2: Structure and Variation 4 *semester hours* or
- SPAN 3521 Survey of Latin American Literature 4 *semester hours* or

- SPAN 3541 Survey of Peninsular Spanish Literature 4 *semester hours*

- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- SPAN 3431 Spanish Linguistics 2: Structure and Variation 4 *semester hours* or
- SPAN 3521 Survey of Latin American Literature 4 *semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature 4 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 4000-level 4 *semester hours*
- University Core 3-4 *Semester Hours*
- Upper Division Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

### Senior Year

#### Fall Semester

- SPAN 4000-level 4 *semester hours*
- University Core 3-4 *Semester Hours*
- Upper Division Elective 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 4990 Senior Capstone Project 1 *semester hour*
- University Core 3-4 *Semester Hours*
- Upper Division Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-17 semester hours

### Chinese Minor

#### Objectives

The Chinese minor offers skill-based, articulated four-year courses in Mandarin Chinese. Coupled with Study Abroad and research

opportunities, the program expects to provide students with opportunities to develop advanced proficiency in Chinese as well as cultural literacy.

## Chinese Minor Learning Outcomes

Chinese minors will know:

- Principal aspects of Chinese language
- Macro and micro societal environments and culture in contemporary China
- Tools to analyze the Chinese language, literary production, and social phenomena

Chinese minors will be able to:

- Speak Chinese appropriately and accurately
- Read texts in Chinese that are conceptually abstract and linguistically complex
- Write in Chinese on a variety of topics with precision and in detail
- Conduct cross-linguistic and cultural analyses between Chinese and their native language and culture

Chinese minors will be able to demonstrate that they value:

- Multilingualism and multiculturalism
- Cultural values that are distinctively different from their own
- Social behaviors and mindsets of Chinese people that are deeply rooted and reflected in Chinese language and culture.

## Minor Requirements

The Chinese minor consists of 20 semester hours beyond CHIN 2102:

- CHIN 2103 Chinese 3 4 *semester hours*
- CHIN 2104 Chinese 4 4 *semester hours*
- CHIN 3605 Chinese 5 4 *semester hours*
- CHIN 3606 Chinese 6 4 *semester hours*
- and one 3000-4000 level content-based course in Chinese 4 *semester hours*

### Note:

The CHIN 2101, CHIN 2102, CHIN 2103, CHIN 2104 series is recommended for those who seek a basic speaking, writing, and reading knowledge of the language. This series requires one hour of study/drill session in the language lab each week.

Students that need more semester hours to complete the minor because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., EURO, HMNT) in consultation with the language advisor and the Department Chair.

## Chinese Placement Exam

Any student who has knowledge of or has had prior instruction in Chinese in high school, community heritage language school, or at a college or university other than LMU must take the Chinese Placement Exam.

This requirement includes students who have taken the AP Chinese Language and Culture Exam in high school. Generally, a student who receives a score of 5 or 4 on the AP Chinese Language and Culture Exam places in CHIN 2103 or higher. Course credit will be given for CHIN 2101 and CHIN 2102 once a student's official scores have been received from the College Board. Final placement is conditional upon the instructor's consent. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in Chinese, please refer to the guidelines provided under Modern Languages and Literatures.

## French Minor

### Minor Requirements

16 semester hours taken beyond FREN 2103:

- FREN 3104 Mastery of French 4 *semester hours*
- FREN 3240 History of Ideas 4 *semester hours*
- FREN 3450 Stylistics and Translation 4 *semester hours* or
- One (1) course in the 4000-level series (elective) 4 *semester hours*
- FREN 3850 Writing Workshop in French 4 *semester hours*

### Note:

The FREN 2101, FREN 2102, FREN 2103, and FREN 3104 series is recommended for those who seek basic proficiency in the language. This series requires attendance of a one hour weekly language lab.

## French Placement Exam

Any student who has knowledge of or has had prior instruction in French in high school or at a college or university other than LMU must take the French Placement Exam.

This requirement includes students who have taken the AP French Exam in high school. Generally, a student who receives a score of 5 or 4 on the AP French Exam (Language or Literature) places in FREN 2103. Final placement is conditional upon the instructor's consent. Course credit will be given for FREN 2101 and FREN 2102 once the student's official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in French, please refer to the guidelines provided under Modern Languages and Literatures.

Students that need more semester hours to complete the major because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., EURO, HMNT) in consultation with the language advisor and the Department Chair.

## German Minor

### Objectives

During the phase of early language acquisition, German courses build students' language skills and intercultural awareness, while they consolidate language and cultural competence on the intermediate level. The upper-division Mastery of German course is geared toward perfecting the students' German in preparation for the internationally recognized proficiency tests that are offered at LMU each Spring semester. Literature courses range from a general survey of German literature over the centuries to the study of specific genres, such as drama, the novella, and the German fairy tale. In addition to literary studies, the German section also offers a course on German film and two courses on German culture and civilization that provide an overview of German history, society, politics, arts, and sciences. For students interested in the language of business, the German section offers two business-related courses.

## German Student Learning Outcomes

Students minoring in German will know:

- The principal aspects of the German language
- The principal aspects of the history of German literature and film
- The principal aspects of the history and culture of German-speaking countries;

Students minoring in German will be able to:

- Speak, understand, read, and write German in meaningful contexts
- Use the latest relevant applications in educational technology
- Read literary texts in German and discuss their content, techniques, and social significance
- Prove their advanced proficiency through an internationally recognized proficiency test;

Students minoring in German will value:

- German language, literature, and culture
- Expressing independent critical opinions
- Increasing intercultural awareness.

German courses at LMU foster communication with an understanding of other people as essential aspects of the education of the whole person. Students thus embark on a road of lifelong learning that will take them into a richer future.

## Minor Requirements

The German minor consists of 20 semester hours beyond GRMN 2102:

- GRMN 2103 German 3 4 *semester hours*
- GRMN 2104 German 4 4 *semester hours*
- GRMN 3105 Mastery of German 4 *semester hours*
- And two other courses from GRMN upper division offerings (3000-4000 level) 8 *semester hours*.

Within this minor a professional German emphasis is possible, with GRMN 3716 and GRMN 4760 offered as upper division course options for the business-oriented student.

The German GRMN 2101, GRMN 2102, GRMN 2103, and GRMN 2104 series is recommended for those who seek a basic speaking, writing, and reading knowledge of the language.

Students of German are encouraged to take advantage of LMU's semester or full year New Europe Program in Bonn, Germany, to improve their language skills. Lower division elementary and

intermediate German language courses as well as the Mastery of German course are available in Bonn on a regular basis.

German minors with a minimum GPA of 3.5 are eligible to apply once per year for the Conrad Lester merit-based scholarship.

Students that need more semester hours to complete the minor because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., EURO, HMNT) in consultation with the language advisor and the Department Chair.

## German Placement and Proficiency Testing

To know when and how a student should take a language placement exam in German, please refer to the guidelines provided under Modern Languages and Literatures.

Once per year, in the spring, the German section offers general proficiency tests in German (ZD [B1, B2, and C1]) for its graduating minors. The tests are internationally recognized and certify the language skills of the student to prospective employers in the public and private sector.

## Italian Minor

### Objectives

The Italian minor introduces students to the rich, complex culture of Italy, first by providing them with basic linguistic skills in the Italian language, and subsequently by familiarizing them with important literary works produced in Italy over the centuries as well as with historically significant films.

## Italian Minor Learning Outcomes

Italian minors will know:

- The principal elements of Italian syntax and morphology
- Representative works of Italian literature, cinema, and other forms of cultural production
- Theoretical concepts essential for the analysis of these texts.

Italian minors will be able to:

- Communicate effectively in written and oral forms in Italian
- Understand spoken Italian
- Read modern Italian literature
- Apply acquired critical skills to textual analysis and scholarly research.

Italian minors will be encouraged to value:

- The distinctive contributions of Italian culture to world civilization
- The interconnectedness of all cultures in the global era
- The complex ways in which issues of social justice find expression in cultural production.

## Minor Requirements

The minor consists of 20 semester hours taken beyond ITAL 2102:

- ITAL 2103 Italian 3 4 *semester hours*
- ITAL 2104 Italian 4 4 *semster hours*

- And three courses taken from ITAL upper division offerings (3000-4000 level) *12 semester hours*

Students who have not previously studied Italian and who wish to declare a minor in Italian are advised to begin their study of the language in their freshman year.

The ITAL 2101, ITAL 2102, ITAL 2103 and ITAL 2104 series is recommended for those who seek a basic speaking, writing, and reading knowledge of the language. This series requires one hour of independent study.

Students with previous knowledge of the language or with course credit in Italian are requested to contact the department to schedule a placement exam.

Students that need more semester hours to complete the minor because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., EURO, HMNT) in consultation with the language advisor and the Department Chair.

### Spanish Minor

#### Prerequisite

- SPAN 2101 Spanish 1 *4 semester hours*

#### Lower Division Requirements:

- SPAN 2102 Spanish 2 *4 semester hours*
- SPAN 2103 Spanish 3 *4 semester hours* or
- SPAN 2113 Spanish 3 for Latino Students *4 semester hours*
- SPAN 2804 Stylistics and Composition *4 semester hours*

#### Note:

SPAN 2101, SPAN 2102, and SPAN 2103/2113 may be satisfied by placing above that level through the LMU Spanish Placement Exam. A minimum grade of C (2.0) is required in all lower division Spanish courses.

#### Upper Division Requirements:

The minor consists of 16 semester hours in upper division courses:

- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours*
- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours*
- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*

- And one (1) upper division 4000-level SPAN elective *4 semester hours*

#### Note:

Students must complete all upper division courses with a minimum grade of C (2.0) to maintain status.

### LMU Spanish Placement Exam

All students interested in taking a Spanish course, including SPAN 2101, must take the LMU Spanish Placement Exam.

This requirement includes students who have taken an AP Spanish Exam in high school. A student who receives a score of 5 or 4 on the AP Spanish Exam (Language and/or Literature) might place in SPAN 2103 Spanish 3 or SPAN 2113 Spanish 3 for Latino Students. Final placement is conditional upon the instructor's consent. The student's CAPP report will reflect credit for SPAN 2101 and SPAN 2102 after official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in Spanish, please refer to the guidelines provided under Modern Languages and Literatures.

Students that need more semester hours to complete the major/minor because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., EURO, HMNT) in consultation with the language advisor and the Department Chair.

### Study Abroad

Students are strongly encouraged to take language courses abroad for a semester either during their sophomore year (Spring semester) or junior year (Fall or Spring semester). Prior to departure, students must obtain transfer credit approval for any courses that they plan to take. No more than two Spanish courses will transfer for the major. Consult the Study Abroad Office or the Spanish language professors for information about semester, year-long, or summer study abroad programs offered by other universities other than those that the Spanish program endorses.

### Peace Studies

#### Director

Daniel L. Smith-Christopher

#### Peace Studies Minor

### Objectives

In order to accommodate the significant diversity in approaches to peace and justice, Loyola Marymount University's Peace Studies program is a contract-based minor that is arranged on an individual basis, working with the particular interests and study areas of each student. Students may choose from a variety of courses that relate to chosen fields of interest and emphasis, drawing from programs such as Political Science, History, Ethnic Studies, Theological Studies, Philosophy, Classics and Archaeology, English, Sociology, and any number of other departments. Creativity in constructing one's own minor is encouraged. The proposed contract, with the

suggested list of courses, must be accepted in writing by both the Director of the Program and the Dean of the Bellarmine College of Liberal Arts before the minor is officially entered in the academic record of each student who wishes to enter the program.

## Minor Requirements:

20 semester hours (5 courses) are required for the minor. There are no required courses. There is a limit of 2 courses (8 semester hours) in lower division courses, and a single 4000-level course is strongly encouraged. A Thesis/Independent Study option is available to fulfill this recommended course, to be arranged with the Director.

## Peace Studies Student Learning Outcomes

Peace Studies minors will know:

- The approaches to war and peace of various religious traditions
- Nonviolence and Nonviolent Strategy as exemplified by Gandhi or Dr. King
- The significance of personal values arising from a commitment to peacemaking that may be applicable to one's personal as well as social life.

Peace Studies minors will be able to:

- Suggest skills and activities that may contribute to minimizing the potential for conflict and contribute to peacemaking in a given conflict situation
- Present a coherent defense of the values of peace within selected traditions, both religious and political.

Peace Studies minors will value:

- The diversity of approaches relevant to peacemaking skills
- The historical contributions made by peacemakers in the past, and assess their contributions to continued thought in Peace Studies
- The unique legacy of nonviolence in world history
- The varied Christian traditions of peacemaking and nonviolence as a theological as well as social value
- Contributions to peacemaking that are unique to their own tradition, if non-Christian (e.g., Jewish, Islamic, Buddhist).

To demonstrate the attainment of these learning outcomes, students submit a portfolio of class papers, tests, and other assignments from the six courses approved by the Director for their minor. Please direct all questions to the Director of Peace Studies.

## Philosophy

### Faculty

Chairperson: Eric Perl

Professors: Jason S. Baehr, Christopher Kaczor, Mark D. Morelli, Elizabeth Murray, Eric D. Perl, Timothy Shanahan, Daniel

Speak, Brad Elliott Stone, Brian Treanor, Robin Wang

Associate Professors: Gretchen Gusich, Virgil Martin Nemoianu, Jeffrey Wilson

Assistant Professors: Erin C. Stackle, Thomas Ward

Scholar in Residence: Mary Beth Ingham, C.S.J.

### Contact Information

**Department Chair:** Eric Perl

**Email:** Eric.Pperl@lmu.edu

**Telephone:** 310.338.2969

**Graduate Director:** Thomas Ward

**Email:** Thomas.Ward@lmu.edu

**Websites:** bellarmine.lmu.edu/philosophy/

bellarmine.lmu.edu/philosophy/graduateprogram/

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**Telephone:** 310.338.1937

**Fax:** 310.338.5997

**Senior Administrative Coordinator:** Alexis Dolan

**Email:** Alexis.Dolan@lmu.edu

## The Department

The Loyola Marymount University Department of Philosophy has a longstanding commitment to excellent teaching, careful advising, and productive scholarship, and is dedicated to providing a collegial and friendly environment conducive to ongoing intellectual development. We encourage both students and faculty to engage in collaborative inquiry and discussion. While the Department as a whole values a strong foundation in the history of philosophy, it is pluralistic in its orientation. The Department is distinguished by its desire to familiarize students with the full range of philosophical traditions and issues: western and eastern, continental and analytic, historical and contemporary. The special interests of our faculty cover a broad range of systematic topics and historical periods, providing resources for a wide variety of specialized studies.

## Philosophy, B.A.

## Objectives

Philosophy is a reflective and critical discipline whose aim is to explore fundamental ideas which underlie and penetrate human existence and constitute the deep background of all human endeavors: ideas such as Meaning and Truth, Knowledge and Being, Objectivity and Bias, Good and Evil, Value and Disvalue. Philosophic inquiry into these and related notions is governed by the complementary ideals of analytic precision and comprehensive synthesis, and so it aims to raise these basic notions from their everyday obscurity, to articulate them with logical precision and rigor, and to bind them together into an overarching vision of the nature and purpose of human life.

Accordingly, the Department of Philosophy offers basic courses in Philosophical Inquiry, Faith and Reason, and Ethics and Justice, (among others) in the core curriculum and a wide variety of courses complementary to studies in a broad range of fields. For convenience, courses are grouped into nine content areas:

1. Logic (PHIL 20XX, PHIL 30XX)
2. Morality, Law, and Politics (PHIL 31XX, PHIL 41XX)
3. Natural and Social Sciences (PHIL 32XX)
4. Arts and Literature (PHIL 23XX, PHIL 33XX)
5. Religion and Theology (PHIL 34XX, PHIL 44XX)
6. History of Philosophy (PHIL 35XX, PHIL 45XX)
7. Contemporary Movements (PHIL 36XX, PHIL 46XX)
8. Major Thinkers (PHIL 47XX)
9. Mind and Reality (PHIL 48XX)

## Philosophy Student Learning Outcomes

Philosophy students will understand:

- The history of philosophy from the pre-Socratics to modern European thinkers
- Contemporary philosophical movements, issues, and techniques
- Central themes in the primary texts of important philosophers;

Philosophy students will be able to:

- Demonstrate written competency in the analysis of philosophical issues
- Apply the tools of logic in the analysis and critical evaluation of philosophical texts

- Synthesize philosophical insights in relation to their own lived experience;

Philosophy students will value:

- The contributions of philosophers to civilization
- An understanding of the relationship of philosophy to a variety of areas of human experience such as faith, morality, and culture
- Rigorous philosophical inquiry and reflection in relation to their own self-development, their interactions with others, and the quest for a better world.

## Major Requirements

At entry to the University, students may declare the major or minor through the Office of Admission. LMU students wishing thereafter to declare the major or minor must meet with the chair. The chair will ordinarily sign the student's Change of Program petition, provided the student meets certain academic standards that include having a minimum GPA of 2.0 (C), not otherwise being on academic probation, and (for majors) upon completion of an entrance questionnaire.

### University Core for the Major

Two courses meeting University Core requirements (one meeting the Philosophical Inquiry requirement and the other meeting the Ethics and Justice requirement) must normally be taken through the Department of Philosophy and will be counted toward the major.

### Symbolic Logic

- PHIL 2010 Symbolic Logic *4 semester hours*

### The History of Philosophy Sequence

- PHIL 3510 Ancient Philosophy *4 semester hours*
- PHIL 3520 Medieval Philosophy *4 semester hours*
- PHIL 3530 Modern Philosophy I *4 semester hours*
- PHIL 3540 Modern Philosophy II *4 semester hours*

Note:

Students are encouraged to take the History of Philosophy sequence in chronological order.

### Three Philosophy Electives

At least two of these electives must be upper-division courses taken at LMU, in addition to the courses that satisfy the University Core Philosophical Inquiry and Ethics and Justice requirements.

Note that at least one course in the major must focus on Contemporary Philosophy.

### Senior Assessment

- PHIL 4990 Senior Assessment *0 semester hours*

Note:

Students are strongly encouraged to study a foreign language to enhance their philosophical studies. Programs should be planned in consultation with their faculty advisor.

An average grade of C+ (2.3) must be maintained in Philosophy courses by majors.

Majors may take up to 13 upper division courses in Philosophy.

## Honors in Philosophy

To graduate with honors in Philosophy, a Philosophy major must complete two additional PHIL elective courses, at least one of which must be an upper division course. A minimum GPA in all Philosophy courses of 3.7 is also required.

## Philosophy Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as a few PHIL major requirements. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- PHIL 1800 Philosophical Inquiry *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

### Sophomore Year

#### Fall Semester

- PHIL 2010 Symbolic Logic *4 semester hours*
- PHIL 3510 Ancient Philosophy *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- PHIL 3520 Medieval Philosophy *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- PHIL 3100 The Good Life *4 semester hours*
- PHIL 3530 Modern Philosophy I *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- PHIL 3540 Modern Philosophy II *4 semester hours*
- Upper or Lower Division PHIL *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Senior Year

#### Fall Semester

- Upper Division PHIL *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- PHIL 4990 Senior Assessment *0 semester hours*
- Upper Division PHIL *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Philosophy, M.A.

#### Mission Statement

The M.A. program at Loyola Marymount University is marked by three emphases: the history of Philosophy, including recent and contemporary continental philosophy; ethical studies; and philosophy informing and informed by the Catholic and Jesuit tradition. Our students are invited to acquire a solid grasp of the history of Philosophy, both Western and Eastern, and to pursue specialized studies of a range of philosophical issues and figures. The program is designed for students who seek the comprehensive background and training required for admission to and success in a Ph.D. program in Philosophy, as well as for those who wish to complement their studies in related disciplines with the Master of Arts in Philosophy. A special feature of our M.A. Program is our commitment to imparting to students the skills associated with effective teaching as they broaden and deepen their philosophical understanding.

#### Admission Requirements

1. The General Test of the Graduate Record Examination (GRE) (waived for some foreign applicants).
2. Demonstration of undergraduate competence in Philosophy, as evidenced by the completion of an undergraduate major or minor in Philosophy, or strong

undergraduate preparation in a closely related field. The competency of students with non-traditional backgrounds will be determined in interviews with the Program Director.

3. An undergraduate GPA of 3.0.
4. An application, an application fee, and two letters of recommendation testifying to the student's aptitude for graduate studies in Philosophy, from professors familiar with the student's undergraduate work in Philosophy.
5. A personal statement, of no more than four typed pages, on why the applicant wishes to pursue philosophical studies at the graduate level. Applicants should indicate in their statements their intention to pursue either a terminal M.A. or to seek admission to a Ph.D. program after earning the M.A.
6. A writing sample of approximately 10 typed pages, preferably of philosophical writing.
7. The deadline for the receipt of all materials is March 15 for the Fall semester and November 1 for the Spring semester.

### Financial Assistance

Every student admitted into the program is considered for tuition assistance. The amounts of the grants vary and are awarded on the basis of both merit and need. One Research Assistantship is awarded each year. Teaching Fellowships may be awarded to students who participate in the Teacher Orientation Program (TOP). Students may also apply for a number of on-campus jobs reserved for graduate students. Rains Research Assistantships (60 hours per semester, 120 hours per year) may be obtained by arrangement with individual professors.

### Degree Requirements

The two-year program requires 30 credit hours of course work (10 6000-level courses), successful completion of a reading proficiency examination in French, German, Latin, or Greek, and successful completion of an oral examination. Students are expected to take six courses in their first year, and four in their second. Students may complete their credit requirement with their own choice of graduate courses. A portion of the course requirement may be fulfilled by graduate course work in the Departments of English or Theological Studies, or in the Bioethics Institute, with the approval of the Program Director. Students must maintain a 3.0 GPA to remain in good standing.

### Teacher Orientation and Practicum (TOP)

Students may elect to participate in the TOP Program. Students who wish to be considered for a Teaching Fellowship must participate in the TOP Program. The aim of TOP is to introduce students to the practical and pedagogical tasks involved in teaching at the undergraduate level, and to provide basic instruction in the effective performance of those tasks. TOP is administered by members of the Department of Philosophy. It includes both instructional sessions and practical applications. The instructional sessions provide guidelines for the preparation of course descriptions and syllabi, assignments and examinations, and for the grading of assignments and examinations. In addition, they offer guidelines for the preparation and delivery of lectures and the conduct of classroom discussions. The practical applications include: interviews with faculty members about their approaches to teaching and their methods, their successes and their failures; preparation of sample course descriptions and syllabi; preparation and delivery of a lecture, with optional videotaping, and a final review of the student's performance. Students participate in TOP in the second and third semesters of the M.A. Program and receive a Certificate of Participation upon completion of the program.

## Oral Examination

The Oral Examination is a one-hour oral, conducted by three faculty members. Its aim is to probe and evaluate a student's ability to articulate and defend his/her developing epistemological, metaphysical, and ethical positions.

## Language Requirement

Before completion of the program students must demonstrate reading proficiency in French, German, Latin, or Greek. Language examinations are offered every semester and may be retaken.

## Learning Outcomes of the M.A. Program in Philosophy

Upon successful completion of the M.A. Program in Philosophy, the student

- will be familiar with the major figures, movements, positions, and issues characterizing the ancient, medieval, modern, late modern, and contemporary periods in the history of Western Philosophy;
- will be able to make intelligent and critical use of the resources and tools required for thorough philosophical research and writing;
- will be able to interpret philosophical texts intelligently, critically, and charitably;
- will be able to analyze and evaluate philosophical arguments;
- will be capable of clear, coherent, and rigorous argumentation and expression in their own philosophical writing;
- will be able to communicate their interpretations of philosophical texts and their own critical views confidently in both informal and professional settings;
- will be able to engage in fruitful philosophical dialogue and discussion;
- will be able to formulate precisely and communicate clearly their own developing positions on the basic epistemological, metaphysical, and ethical questions;
- will have a clearer understanding and firmer grasp of the philosophical questions with which they themselves are most deeply concerned;
- will be familiar with the range of responsibilities associated with the professional side of the philosophical life.

## Philosophy Minor

### Minor Requirements

20 semester hours in Philosophy, of which at least 12 are in upper division courses. Courses taught through the Philosophy Department meeting core requirements (for example, PHIL 1800, PHIL 3100) may be counted towards the minor. An average of C (2.0) must be attained in courses in the minor.

**The Department of Philosophy also offers a minor in Ethics for students who wish to explore further the foundations of ethics and ethical issues as they arise in a range of theoretical and applied domains. Philosophy majors and minors may not minor in Ethics.**

### Political Science

### Faculty

Chairperson: John M. Parrish

Professors: Jodi Susan Finkel, Richard Fox, Michael A. Genovese, Evan Gerstmann, Fernando J. Guerra, John M. Parrish  
Associate Professors: Lance H. Blakesley, Gene Park, Jennifer Ramos, Janie S. Steckenrider  
Assistant Professors: Feryal Cherif, Andrew Dilts

## Objectives

The Department challenges and encourages students to:

- Be perceptive observers of political life in all its variety and richness;
- Seek a systematic understanding of the causes and consequences of political institutions, policies, and behavior;
- Develop a moral and ethical perspective that allows them to critically evaluate actions, institutions, and policies; and
- Prepare themselves for a life of active citizenship and involvement in creating a more just and humane world.

The Department challenges and encourages its faculty to:

- Master the art of teaching;
- Contribute to their profession as active scholars and researchers; and
- Promote an atmosphere of care and concern for each student inside and outside the classroom.

Both faculty and students share a responsibility for creating a lively and diverse community of scholars marked by civility, mutual respect, and support.

The Department offers degree programs in two fields of study: **International Relations** and **Political Science**.

## International Relations, B.A.

### International Relations Student Learning Outcomes

The Political Science Department strives to help all majors:

1. Demonstrate a broad and deep understanding of international relations.
2. Possess the skills necessary to think critically and communicate effectively about international relations.
3. Value active citizenship and a just society.

## Major Requirements

In addition to the major requirements below, **all majors must take two core curriculum courses**, ECON 1050 Introductory Economics (Understanding Human Behavior) and HIST 1XXX except 13XX and 14XX (lower-level non-U.S. History course [see Note 1]; Explorations).

Students may not double-major in International Relations and Political Science. However, students may choose to major in International Relations, while minoring in Political Science (or vice versa). In this case, students may only double-count one of the lower division courses and none of the upper division courses towards the minor.

**A. Lower Division Requirements: 4 courses (16 semester hours)**

1. Students must take POLS 1400 and POLS 1600.
2. Students must take POLS 2100.
3. Students must take one of the following: POLS 2000 or POLS 2001 or specially designated

sections of FFYS 1000 with normative theory content.

## B. Upper Division Requirements: 6 courses (24 semester hours)

1. Students must take POLS 3620 and POLS 4650.
2. Students take at least one POLS International Relations or Comparative Politics 5000-level seminar OR POLS 5800 and POLS 5810 (Honors Seminar and Thesis, 2 semesters). [see Note 2]
3. Students must take 3 upper-division electives (courses with international focus from POLS, ECON, SOCL or HIST [see Note 3], or one advanced methods course [see Note 4]).

## C. Additional Requirements

1. An average grade of C (2.0) must be obtained in courses included in the major.
2. Lower Division requirements must be met before pursuing upper division requirements.
3. Students must take 2 semesters of a foreign language or demonstrate proficiency [see Note 5].
4. Students must engage in an international experience through either:
  - a. an Internship with an international focus (120 hours) [see Note 6]; OR
  - b. Study Abroad (Semester or Summer) [see Note 7].

Total: 40 semester hours

## Notes

### Note 1:

The qualifying HIST 1000-level courses would include: HIST 1110 Founders of the West, HIST 1120 Heirs of Rome: Europe, Byzantium, and Islam in the Early Middle Ages, HIST 1130 Crisis and Expansion: Europe and the World, 1200-1648, HIST 1200 European Empires, Exploration, and Exchange since 1500, HIST 1201 Power, Privilege, and Agency in Modern Europe, HIST 1202 The Individual, the State, and Civil Society in Modern Europe, HIST 1203 Religion, Society, and the Search for Meaning in Modern Europe, HIST 1204 Revolutions in the Making of Modern Europe, HIST 1510 Minorities and Women in the Modern Middle East, HIST 1520 The Social Lives of Commodities in the Modern Middle East, HIST 1700 Early Latin America, HIST 1750 Modern Latin America, HIST 1800 Modern Asia: China, Japan, and Korea since 1600, HIST 1600 African States and Societies since 1800.

### Note 2:

Students must write an internationally-focused thesis.

### Note 3:

In Political Science: Any upper division comparative politics or international relations course. Other POLS courses with significant global perspectives or international politics course content may count towards the major at the discretion of the faculty director, and in consultation with the professor.

In Economics: ECON 3700 International Trade (prerequisite is ECON 1050); ECON 3720 International Finance Theory (prerequisite is ECON 1050); ECON 4740 Economic Development (prerequisite is ECON 3100).

In History: HIST 3XXX and 4XXX except 33XX, 34XX, 43XX and 44XX; these include HIST 3600 Conflict and Genocide in Africa, HIST 3702 Latin America: Women, Gender, and Sexuality, HIST 3704 Latin American Revolutions in Film, HIST 3860 Popular Culture in East Asia, HIST 4010 Pirates and Piracy, HIST 4200 Early Modern Europe, HIST 4205 Europe in the Long Nineteenth Century, HIST 4206 20th-Century Europe, HIST 4215 European Imperialism, HIST 4225 Gender in European History, HIST 4250 Modern Britain and the British Empire, HIST 4251 Victorians to Moderns, HIST 4272 20th-Century Eastern Europe, HIST 4281 Modern Russia, 1825-1991, HIST 4282 Ethnicity and Empire in Russia, HIST 4402 The Politics and Culture of the Cold War, 1917-1989, HIST 4510 Star, Cross, and Crescent, HIST 4520 The Ottoman Empire, HIST 4540 The Palestine/Israel Conflict, HIST 4640 Colonial Africa, 1860-1980, HIST 4800 Asian Empires, HIST 4810 Imperial China, HIST 4820 Modern China, HIST 4830 Women in East Asian History, HIST 4840 Modern Japan.

In Sociology: SOCL 3310 Demography and Population Analysis, SOCL 3370 Sociology of Globalization, SOCL 3371 Gender and Global Migration, SOCL 3372 Sociology of U.S. Immigration, SOCL 3998 - Blacks in Latin America. Any other non-POLS courses must be approved by the faculty director prior to course enrollment.

### Note 4:

Students interested in graduate studies are strongly encouraged to take an advanced methods course.

### Note 5:

Language proficiency will be assessed via the Modern Languages' online placement tests. In the event the test is not offered, the student must go to a language department in a university that does offer that language and have an instructor there access proficiency and provide a letter as evidence. Although Level 2 proficiency is the required minimum for the major, we strongly encourage students to continue to more advanced levels.

### Note 6:

This could include a local internship, an international internship, or the Washington Center.

### Note 7:

The Study Abroad experience must be an LMU or LMU-approved semester or summer program. The summer program must be at least 6 semester hours. Ideally, this requirement should enhance a student's language skills and cultural awareness that she is focused on in courses at LMU.

## Honors in International Relations

Students who attain a GPA of 3.70 or higher, both overall and in the major, are automatically eligible to enroll in the POLS 5800 Honors Seminar in the Fall of their senior year and write a POLS 5810 Honors Thesis in the Spring of their senior year. Other students may be invited to pursue Honors by the faculty. The Honors Seminar is a prerequisite for the Honors thesis. Students who attain a grade of A- or higher for the Honors Thesis will graduate with Honors in International Relations. Both the Honors Seminar and Honors

Thesis count toward the 24 semester hours of upper division coursework required of majors.

## International Relations Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student interested in completing the major will complete all lower division core requirements by the end of the sophomore year, as well as all major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- POLS 1600 International Relations 4 semester hours
- Foreign Language 1 4 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

#### Spring Semester

- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- POLS 1400 Comparative Politics 4 semester hours
- ECON 1050 Introductory Economics 4 semester hours
- Foreign Language 2 4 semester hours

Total: 15-16 semester hours

### Sophomore Year

#### Fall Semester

- POLS 2100 Empirical Approaches 4 semester hours
- HIST 1XXX (except HIST 13XX and 14XX) 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

#### Spring Semester

- POLS 2000 Foundations of Political Theory 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

### Junior Year

#### Fall Semester [Study Abroad]

- Elective 3 semester hours
- Elective 3 semester hours
- Elective 3 semester hours

- Upper-Division Elective 3 semester hours
- Upper-Division Elective 3 semester hours

Total: 15 semester hours

#### Spring Semester

- POLS 3620 International Security 4 semester hours
- POLS 4650 The Politics of the Global Economy 4 semester hours
- Upper Division International Elective 4 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

### Senior Year

#### Fall Semester

- Upper Division International Elective 4 semester hours
- Upper Division International Elective 4 semester hours
- Upper Division Elective 4 semester hours
- Upper Division Elective 4 semester hours

Total: 16 semester hours

#### Spring Semester

- POLS 5XXX International Relations or Comparative Politics Seminar 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 4 semester hours
- Upper Division Elective 4 semester hours

Total: 15-16 semester hours

## Political Science, B.A.

### Political Science Student Learning Outcomes

The Political Science Department strives to help all majors:

1. Demonstrate a broad and deep understanding of politics and political science.
2. Possess the skills necessary to think critically and communicate effectively about politics.
3. Exhibit a commitment to active citizenship and a just society.

### Major Requirements

Political Science majors are required to take one social science course from outside the major. The course may be a lower or upper level course in Economics, Geography, Psychology, Sociology, Urban Studies, or any course that satisfies the Understanding Human Behavior requirement of the University Core.

#### A. Lower Division Requirements: 4 courses (16 semester hours)

1. Students must take two of the following three courses: POLS 1200, POLS 1400, and POLS 1600.
2. Students must take POLS 2000 and POLS 2100.
3. An average grade of C (2.0) must be obtained in these courses.

## B. Upper Division Requirements: 6 courses (24 semester hours)

1. Students take at least one 5000-level seminar.
2. An average grade of C (2.0) must be obtained in courses included in the major.

## C. Additional Requirements

1. Students must take at least four 4-semester-hour courses to complete the major.

Total: 40 semester hours

## Honors in Political Science

Students who attain a GPA of 3.60 or higher, both overall and in the major, are automatically eligible to enroll in the POLS 5800 Honors Seminar in the Fall of their senior year and write an POLS 5810 Honors Thesis in the Spring of their senior year. Other students may be invited to pursue Honors by the faculty. The Honors Seminar is a prerequisite for the Honors Thesis. Students who attain a grade of A- or higher for the Honors Thesis will graduate with Honors in Political Science. Both the Honors Seminar and Honors Thesis count toward the 24 semester hours of upper division course work required of majors.

## Political Science Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student interested in completing the major will complete all lower division core requirements by the end of the sophomore year, as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- POLS 1200 U.S. Politics *4 semester hours* or
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*
  
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- POLS 1200 U.S. Politics *4 semester hours* or
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*
  
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Sophomore Year

### Fall Semester

- POLS 2000 Foundations of Political Theory *4 semester hours* or
- POLS 2100 Empirical Approaches *4 semester hours*
  
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- POLS 2000 Foundations of Political Theory *4 semester hours* or
- POLS 2100 Empirical Approaches *4 semester hours*
  
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- POLS Upper Division *4 semester hours*
- POLS Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- POLS Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

### Senior Year

#### Fall Semester

- POLS Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- POLS Upper Division Area Requirement *4 semester hours*
- POLS 5000-level *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

## Note:

Once a student has enrolled at LMU and declared a Political Science major or minor, only LMU course work or courses from an LMU-approved study abroad program will be accepted for the major or minor.

## International Relations Minor

### Minor Requirements

#### 20 semester hours

Students may minor in *both* International Relations and Political Science. Students who do so may only double-count one of the lower division courses and none of the upper division courses towards the major.

#### A. Lower Division Requirements: 2 courses (8 semester hours)

1. Students must take POLS 1400 and POLS 1600.

#### B. Upper Division Requirements: 3 courses (12 semester hours)

1. 1 POLS Elective in International Relations or Comparative Politics.
2. 2 Electives (courses with international focus from POLS, ECON, SOCL or HIST, or one advanced methods course; see approved courses).

#### C. Additional Requirements

1. An average grade of C (2.0) must be obtained in courses included in the minor.
2. Lower Division requirements must be met before pursuing upper division requirements.
3. Students must take 2 semesters of a foreign language or demonstrate proficiency [see Note 3], OR engage in an international experience through either:
  - a. an Internship with an international focus (120 hours) [see Note 4]; OR
  - b. Study Abroad (Semester or Summer) [see Note 5].

## Notes

### Note 1:

In Politics: any upper division comparative politics or international relations course. Other POLS courses with significant global perspectives or international politics course content may count towards the minor at the discretion of the faculty director, and in consultation with the professor.

In Economics: ECON 3700 International Trade (prerequisite is ECON 1050), ECON 3720 International Finance Theory (prerequisite is ECON 1050), ECON 4740 Economic Development (prerequisite is ECON 3100).

In History: HIST 3XXX and 4XXX except 33XX, 34XX, 43XX and 44XX; these include HIST 3600 Conflict and Genocide in Africa, HIST 3702 Latin America: Women, Gender, and Sexuality, HIST 3704 Latin American Revolutions in Film, HIST 3860 Popular Culture in East Asia, HIST 4010 Pirates and Piracy, HIST 4200 Early Modern Europe, HIST 4205 Europe in the Long Nineteenth Century, HIST 4206 20th-Century Europe, HIST 4215 European Imperialism, HIST 4225 Gender in European

History, HIST 4250 Modern Britain and the British Empire, HIST 4251 Victorians to Moderns, HIST 4272 20th-Century Eastern Europe, HIST 4281 Modern Russia, 1825-1991, HIST 4282 Ethnicity and Empire in Russia, HIST 4402 The Politics and Culture of the Cold War, 1917-1989, HIST 4510 Star, Cross, and Crescent, HIST 4520 The Ottoman Empire, HIST 4540 The Palestine/Israel Conflict, HIST 4640 Colonial Africa, 1860-1980, HIST 4800 Asian Empires, HIST 4810 Imperial China, HIST 4820 Modern China, HIST 4830 Women in East Asian History, HIST 4840 Modern Japan.

In Sociology: SOCL 3310 Demography and Population Analysis, SOCL 3370 Sociology of Globalization, SOCL 3371 Gender and Global Migration, SOCL 3372 Sociology of U.S. Immigration, SOCL 3998 - Blacks in Latin America. Any other non-POLS courses must be approved by the faculty director prior to course enrollment.

Any other non-POLS courses must be approved by the faculty director prior to course enrollment.

### Note 2:

Students interested in graduate studies are strongly encouraged to take an advanced methods course.

### Note 3:

Language proficiency will be assessed via the Modern Languages' online placement tests. In the event the test is not offered, the student must go to a language department in a university that does offer that language and have an instructor there assess proficiency and provide a letter as evidence. Although Level 2 proficiency is the required minimum for the minor, we strongly encourage students to continue to more advanced levels.

### Note 4:

This could include a local internship, an international internship, or the Washington Center.

### Note 5:

The Study Abroad experience must be an LMU or LMU-approved semester or summer program. The summer program must be at least 6 semester hours. Ideally, this requirement should enhance a student's language skills and cultural awareness that she is focused on in courses at LMU.

## Political Science Minor

### Minor Requirements

#### 20 semester hours

Students may minor in *both* International Relations and Political Science. Students who do so may only double-count one of the lower division courses and none of the upper division courses towards the major.

#### A. Lower Division Requirements: 2 courses (8 semester hours)

1. Students must take two of the following lower division courses:

- POLS 1200 U.S. Politics 4 semester hours
- POLS 1400 Comparative Politics 4 semester hours
- POLS 1600 International Relations 4 semester hours
- POLS 2000 Foundations of Political Theory 4 semester hours

- POLS 2100 Empirical Approaches 4 semester hours

## B. Upper Division Requirements: 12 semester hours

1. At least two 4 semester hour courses must be taken to complete the minor. The remaining four semester hours may be completed by taking any of the offered upper division courses.
2. An average grade of C (2.0) must be obtained in the courses included in the minor.

### Note:

Specific programs should be planned individually with the advice of a faculty advisor.

## Psychology

### Faculty

Chairperson: David J. Hardy

Professors: Jennifer S. Abe, Judith G. Foy, Michael R. Foy, Richard L. Gilbert, Cheryl N. Grills, Joseph B. Hellige, Joseph W. LaBrie, Ricardo A. Machón, Michael J. O'Sullivan

Associate Professors: Adam W. Fingerhut, Máire Ford, David J. Hardy, Michael E. Mills, Nora A. Murphy, Vandana Thadani

Assistant Professors: Negin Ghavami, Brett Marroquin, Kayoko Okada

### Mission

The Psychology program shares the University's commitment to develop ethical leaders for a culturally diverse world and contributes to the liberal education of students. Through a comprehensive education in the science of psychology, the Psychology Department seeks to educate the whole person, pursue academic excellence, advance scholarship, promote service and justice, and encourage life-long learning.

### Description

The Psychology Department offers a high quality curriculum where students examine many in-depth aspects of human and animal behavior, including biological, psychological, and sociocultural perspectives. Students are provided the opportunity to apply these perspectives to a variety of individual, family, and community contexts. As students progress through the curriculum, they have opportunities to assist faculty with research and engage in their own research with faculty supervision. The program prepares students for graduate study in psychology and related fields or careers in other professions.

## Psychology, B.A.

### Goals and Objectives

The goals of the Psychology curriculum focus on educating students in the methodology, content, and application of psychological science.

#### Goal 1: Theory and Methodology in Psychology

Students should:

- Understand the role of psychology as a discipline that uses an empirical approach to knowledge; and
- Use, respect, and value skeptical inquiry, critical thinking, and the scientific approach to understanding behavior.

Knowledge areas students will study/learn:

- Basic research methods and ethics
- History and systems and philosophy of science
- Data analysis and interpretation

- Scientific and critical thinking
- Scientific writing and communication.

#### Goal 2: Mastery of Content (Discipline Specific Knowledge)

Students should be familiar with:

- Core theoretical approaches and research findings that reflect a biopsychosocial understanding of behavior; and
- More in-depth theoretical approaches and research findings within at least one subject area in psychology.

Core knowledge areas students will study/learn:

- Biological foundations of behavior
- Psychological foundations of behavior
- Social and cultural foundations of behavior
- Biopsychosocial development across the lifespan.

#### Goal 3: Application of Knowledge and Scientific Method

Students should demonstrate the application of psychological theory, methodology, and findings to:

- An understanding of the whole person, as an individual and as a member of a larger community, society, and culture; and
- The promotion of social justice in these contexts.

## Psychology Student Learning Outcomes

Upon completion of the Psychology curriculum, students will demonstrate knowledge of the history, foundations, content, and analytical skills of psychology in their ability to:

1. Demonstrate knowledge of the history, foundations, content, and methods used in Psychology, specifically in the following areas:
  - a. Learning and Cognition
  - b. Biological Psychology (including Neuropsychology, Sensation and Perception, Comparative, and Ethological Psychology)
  - c. Clinical, Abnormal, and Personality Psychology
  - d. Developmental and Social Psychology
2. Demonstrate an increased appreciation and understanding of the importance of a scientific approach to understanding human behavior
3. Demonstrate an ability to analyze and critically evaluate the biopsychosocial components of behavior
4. Demonstrate an ability to apply critical thinking in order to
  - a. Understand psychological principles
  - b. Evaluate scientific research, including research presented in the media
5. Demonstrate written communication skills on psychological topics
6. Demonstrate oral communication skills on psychological topics
7. Demonstrate an ability to apply psychological principles, including the consideration of ethics and social justice, to contemporary problems/issues
8. Demonstrate an ability to identify ethical issues and apply ethical principles to research in the following situations:
  - a. When conducting research
  - b. When evaluating research
9. Demonstrate competency in the following aspects of research methods:
  - a. Locate and understand past research
  - b. Formulate a hypothesis based on past research
  - c. Design research to test a hypothesis

- d. Use statistical software to analyze research data
- e. Write complete manuscripts in APA style

## Major Requirements

**A minimum grade of C (2.0) is required in all courses for the major. Students must repeat any course in which a grade below C (2.0) is earned.**

**Students may not register for any Psychology course for a third time without the written permission of the Psychology Department Chairperson and the Dean of the Bellarmine College of Liberal Arts.**

A minimum grade of C (2.0) is required in the Lower Division Requirements in order to remain a Psychology major and advance to Upper Division Major Requirements.

**Lower Division Major Requirements (16 semester hours):**

1. PSYC 1000 General Psychology
2. PSYC 2001 Statistical Methods for Psychology
3. PSYC 2002 Research Methods
4. PSYC 2003 Brain and Behavior

**Upper Division Major Requirements (24 semester hours):**

Prerequisite: Completion of all lower division major requirements with a minimum grade of C (2.0) in each.

1. PSYC 4001 Cognition
2. PSYC 4002 Social Psychology
3. Three additional upper division PSYC electives (12 semester hours): 2 courses, either PSYC 3000- or PSYC 4000-level; and 1 PSYC 4000-level course
4. PSYC 4100 Capstone Seminar. Prerequisite: All upper division major requirements completed or currently in progress.
5. PSYC 4195 Senior Assessment. Prerequisite: All upper division major requirements completed or currently in progress.

## Psychology Model Four-Year Plan

The normal course load is 16 semester hours (typically 4 classes). By following a model similar to the one below, a student will complete all lower division core requirements by the end of the sophomore year as well as lower division major requirements/prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. While there are many paths to completion in four years, this sample model is one approach. This plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- PSYC 1000 General Psychology *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- PSYC 2001 Statistical Methods for Psychology *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- PSYC 2002 Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- PSYC 2003 Brain and Behavior *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- PSYC 4001 Cognition *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- PSYC 4002 Social Psychology *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

### Senior Year

#### Fall Semester

- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*
- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

## Spring Semester

- PSYC 4100 Capstone Seminar *4 semester hours*
- PSYC 4195 Senior Assessment *0 semester hours*
- PSYC 4xxx Upper Division Elective *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

## Honors in Psychology

Psychology majors who 1) meet a minimum Psychology and University GPA and 2) who have the consent of a department faculty member who will oversee their Honors project may apply to do Honors in the last two semesters at LMU. Applications are due in the semester before Honors work will begin (generally, the Spring semester of Junior year). To receive Honors, accepted students must, over the course of at least two semesters: 1) complete a significant research project; 2) complete an APA-style manuscript detailing the project; and 3) complete a conference presentation detailing the project prior to graduation (e.g., by participating in LMU's Undergraduate Research Symposium). Accepted students should enroll in PSYC 4196 for 0 semester hours in the Fall of their Senior year and 4 semester hours in the Spring of their Senior year. The 4 semester hours from PSYC 4196 count toward the 24 semester hours of upper division course work required of majors.

## Psychology Minor

### Minor Requirements

**A minimum grade of C (2.0) is required in all courses for the minor. Students must repeat any course in which a grade below C (2.0) is earned.**

**Students may not register for any Psychology course for a third time without the written permission of the Psychology Department Chairperson and the Dean of the Bellarmine College of Liberal Arts.**

Lower Division Minor Requirements (12 semester hours):

- PSYC 1000 General Psychology *4 semester hours*
- PSYC 2001 Statistical Methods for Psychology *4 semester hours*
- PSYC 2002 Research Methods *4 semester hours*

Three upper division elective courses (12 semester hours):

- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*
- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*
- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*

Note:

Electives are selected in consultation with the Psychology Department Advisor (the Associate Chair) for the Minors.

## Sociology

## Faculty

Chairperson: Rebecca Sager

Professors: Stacy Lee Burns, James Faught

Associate Professors: Peter Hoffman, Nadia Kim, Stephanie Limoncelli, Eric Magnuson, Anna Muraco, Rebecca Sager, Mona Seymour, Rachel Washburn

Assistant Professors: Sylvia Zamora

## Sociology, B.A.

### Objectives

As a department, our objectives are to foster the intellectual development of students and to promote lifetime learning experiences. We do this through teaching and applying the insights of sociological perspectives to achieve a critical understanding of social reality and the human condition.

Our curriculum is designed to explore relationships within society, the social and cultural influences on human behavior, dynamics of interaction, and social institutions and social change in a global context.

### Sociology Student Learning Outcomes

#### I. Specific Skills

- Apply a sociological lens to scholarly research and other sources of information (e.g., newspapers, websites, policies).
- Use basic computer skills necessary to find, create, and communicate sociological information.
- Execute effective reading, writing and speaking skills.
- Students graduating with a major in sociology will be well-prepared for related educational and employment pursuits and as citizens.

#### II. The Discipline of Sociology and its Contributions to Understanding Social Life

- Use and critically analyze classical and contemporary sociological theories.
- Critically examine one's own beliefs, cultural practices, and values, and develop the ability to understand social phenomena from multiple perspectives.
- Explain how cultural and structural factors influence social life.
- Analyze the structure of inequality in the United States and elsewhere.
- Distinguish between sociological, psychological, and naturalistic explanations for human behavior.
- Understand how to apply disciplinary concepts, analytic tools, and theoretical frameworks to address real worldly social problems.

#### III. Research Methods in Sociology

- Transform a problem of interest into a researchable question.
- Evaluate study designs and methodologies employed in the social sciences.
- Justify various methodological decisions.
- Explain the ethical implications of social science research.
- Understand self-reflexivity and how it shapes the research design and the study's outcomes.

## Major Requirements

Sociology majors are required to take one social science course from outside the major. The course may be a lower or upper level course in Economics, Geography, Political Science, Psychology, Urban Studies, or any course that satisfies the Understanding Human Behavior requirement of the University Core.

#### Lower Division Requirements (12 semester hours):

- SOCL 1000 Principles of Sociology *4 semester hours*
- SOCL 2000 Qualitative Research Methods *4 semester hours*
- SOCL 2100 Quantitative Research Methods *4 semester hours*

#### Note:

A grade of at least C (2.0) will be required in all lower division courses.

#### Upper Division Requirements:

28 semester hours in upper division courses in sociology which must include SOCL 3000 and SOCL 4900. An average grade of C (2.0) must be obtained in courses included in the major.

SOCL 4900 should be taken in the senior year. The remaining 20 semester hours are to be chosen from the three theme areas into which upper division sociology courses are grouped: I. Social Institutions, Organizations, and Groups; II. Power and Inequality; and III. Social Processes and Change. Students must take at least one course from three of the theme areas. The remaining courses may be taken from any of the upper division offerings.

At least two 3000- or 4000-level sociology courses must be taken in the senior year.

#### Area I: Social Organizations, Institutions, and Groups

- SOCL 3100 Metropolitan Los Angeles *4 semester hours*
- SOCL 3110 Sociology of Sport *4 semester hours*
- SOCL 3120 Social Organization *4 semester hours*
- SOCL 3130 Sociology of Law *4 semester hours*
- SOCL 3140 Sociology of Popular Culture *4 semester hours*
- SOCL 3141 Media: The Empire of Illusion *4 semester hours*
- SOCL 3150 Sociology of Health and Illness *4 semester hours*
- SOCL 3160 Sociology of Marriage and Families *4 semester hours*
- SOCL 4100 Criminal Justice *4 semester hours*
- SOCL 4101 Criminal Law *4 semester hours*
- SOCL 4103 Social Psychology and the Law *4 semester hours*
- SOCL 4110 Religion, Culture, and Society *4 semester hours*
- SOCL 4120 Science, Technology, and Society *4 semester hours*

#### Area II: Power and Inequality

- SOCL 3200 Deviant Behavior *4 semester hours*
- SOCL 3210 Gender and Society *4 semester hours*
- SOCL 3211 Men and Masculinities *4 semester hours*
- SOCL 3221 Race and Ethnic Relations *4 semester hours*

- SOCL 3222 Sociology of the Black Community *4 semester hours*
- SOCL 3231 Social Stratification *4 semester hours*
- SOCL 3232 Community *4 semester hours*
- SOCL 3233 Political Sociology *4 semester hours*
- SOCL 3240 Sociology of Aging *4 semester hours*
- SOCL 3250 Health and Social Justice *4 semester hours*
- SOCL 3260 Human Trafficking *4 semester hours*
- SOCL 3290 Social Inequalities *4 semester hours*
- SOCL 4202 Crime and Delinquency *4 semester hours*

#### Area III: Social Processes and Change

- SOCL 3300 Urban Sociology *4 semester hours*
- SOCL 3310 Demography and Population Analysis *4 semester hours*
- SOCL 3320 Social Psychology *4 semester hours*
- SOCL 3321 Sociology of Emotions *4 semester hours*
- SOCL 3340 Social Movements *4 semester hours*
- SOCL 3341 Politics, Faith, and Civic Engagement *4 semester hours*
- SOCL 3350 The Life Course *4 semester hours*
- SOCL 3351 Sociology of Adolescents *4 semester hours*
- SOCL 3360 Environment and Society *4 semester hours*
- SOCL 3370 Sociology of Globalization *4 semester hours*
- SOCL 3371 Gender and Global Migration *4 semester hours*
- SOCL 3372 Sociology of U.S. Immigration *4 semester hours*
- SOCL 3373 Immigration and Los Angeles *4 semester hours*
- SOCL 3390 Work and Economic Justice *4 semester hours*

### Sociology Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- SOCL 1000 Principles of Sociology *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

- Elective 3-4 semester hours

Total: 12-16 semester hours

## Sophomore Year

### Fall Semester

- SOCL 2000 Qualitative Research Methods 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- SOCL 2100 Quantitative Research Methods 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

## Junior Year

### Fall Semester

- SOCL 3000 Sociological Theory 4 semester hours
- SOCL Upper Division (Theme Area) 4 semester hours
- SOCL Upper Division (Theme Area) 4 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

### Spring Semester

- SOCL Upper Division (Theme Area) 4 semester hours
- SOCL Upper Division 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

## Senior Year

### Fall Semester

- SOCL Upper Division 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- SOCL 4900 Sociology Seminar 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

## Sociology Minor

### Minor Requirements

20 semester hours, including SOCL 1000 and SOCL 2000 or SOCL 2100, and SOCL 3000, and 8 semester hours in upper division courses. An average grade of C (2.0) must be obtained in courses included in the minor. At least one 3000- or 4000-level sociology course must be taken in the senior year.

### Theological Studies

#### Faculty

Chairperson: Douglas Christie

Professors: Christopher Key Chapple (Navin & Pratima Doshi Professor of Indic & Comparative Theology), Douglas Christie, Allan Deck, S.J., Roberto Dell'Oro, Michael P. Horan, Amir Hussain, Jeffrey S. Siker, Daniel L. Smith-Christopher

Associate Professors: Susan Abraham, Nicholas Denysenko, Cecilia Gonzalez-Andrieu, Anna Harrison, Brett Hoover, Gil Klein, Charlotte C. Radler, Jonathan Rothchild, David Sanchez, Tracy Sayuki Tiemeier

Assistant Professors: Karen Enriquez, Matthew Petrussek

#### Contact Information

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**Graduate Director:** Brett Hoover

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**Websites:** bellarmine.lmu.edu/theology/

<http://bellarmine.lmu.edu/theologicalstudies/graduateprograms/>

**Office Location:** University Hall 3700

**Telephone:** 310.338.7670

**Fax:** 310.338.1947

### Theological Studies Graduate Program

#### Mission Statement

The Master of Arts (Theology) provides students with a critical understanding of the Christian theological tradition, especially from a Roman Catholic perspective. The program engages students in serious reflection on the broad range of theological studies and methods (biblical, comparative, historical, liturgical, and systematic theology, as well as ethics, spirituality, faith and culture, ecumenical and inter-religious dialogue). The goal of the program is to provide a general and integrated exploration of these areas for students seeking to teach on a secondary level, for students preparing for graduate education, and for students with a strong interest in theology beyond the undergraduate level.

The Master of Arts in Pastoral Theology engages the student in critical theological reflection on ministerial practice as preparation for active ministry in a pluralistic society. The program provides theological foundations in pastoral theology, especially in the Roman Catholic tradition, and integrates the formation of persons preparing for pastoral ministry with their study of the Christian theological tradition (spirituality, liturgy, faith and culture, ethics, as well as biblical, historical, and systematic theology, and ecumenical and inter-religious dialogue). Throughout the program there is a stress on the holistic relationships between pastoral theology, faith seeking critical understanding, and faith that does justice.

#### Admission Requirements

- **Baccalaureate degree from an accredited institution**
- **Demonstrated ability to do graduate studies**

This last requirement can be fulfilled by providing a range of information including: graduate work completed or advanced degree obtained; evidence of undergraduate work, including GPA and submission of written academic work (e.g., a term paper); scores received on the GRE, the Miller Analogies, or other standardized tests (note: GRE scores and standardized tests are not required); a personal interview.

Applicants need to indicate the particular Master of Arts program to which they are applying, either M.A. (Theology) [THEO] or M.A. in Pastoral Theology (PATH).

All applicants for admission to the master's degree programs are required to submit a Graduate Division application and \$50.00 fee; two copies of all post-secondary transcripts; a personal statement; and two letters of recommendation (one academic reference recommended). All materials should be sent to the Graduate Admissions Office. Applicants who have applied for admission may be formally admitted or may be required to fulfill prerequisites before being formally admitted.

All materials for admission should be received in the Graduate Admission Office by the priority deadline indicated below.

Applications received after this deadline will be reviewed on an individual basis.

### **March 1 for the Fall semester**

Students may take graduate courses in non-degree status with permission of the Graduate Director.

## **Theological Studies Undergraduate Program**

### **Mission Statement**

The Department of Theological Studies engages the LMU student community in thoughtful, critical reflection on faith and religious praxis with a special concern for the Roman Catholic tradition. We educate the whole person and serve faith by an academic exploration of its possibilities, challenges, and ambiguities while also engaging in ecumenical and interreligious dialogue. We strive to promote justice by the structure of our curriculum and by encouraging students and faculty to engage their theological understanding in a world both graced and broken.

### **Vision Statement**

Loyola Marymount University is the largest Catholic university on the West Coast, in a city that is at once the largest Roman Catholic archdiocese in the United States as well as one of the most religiously diverse cities in the world. The Department of Theological Studies has the unique role and responsibility of promoting the study of theology and religion within the University and the broader Los Angeles community. The Department also has a special role to play in helping the University to live out its Mission in the service of faith and the promotion of justice. The urgency of these endeavors is reinforced by the importance of religion in the 21st century in our globalized world.

### **Theology, B.A.**

## **Program Goals**

1. To maintain a challenging and current curriculum for our Majors to provide them with a foundation for pursuing careers as teachers, ministers, and many other professions or for graduate work in Theological Studies;
2. To maintain a challenging and current curriculum for our Minors to provide them with a solid understanding of

theology and religious studies, ethical values, social justice, and spirituality;

3. To maintain a current and challenging set of core curriculum courses that contribute to fulfilling the mission of Loyola Marymount as a Catholic liberal arts University.

## **Student Learning Outcomes**

By virtue of their Theological Studies courses, majors should:

1. Identify the beliefs and practices of major religious traditions, including Christianity and especially Catholic Christianity;
2. Understand the richness and complexity of theological and religious traditions, especially in light of contemporary issues and diverse voices;
3. Examine and evaluate critically the diverse ways in which religious beliefs and practices change across time and space;
4. Integrate theological and religious questions and problems through the careful study of a major theological or religious thinker or theme;
5. Develop theological and religious comprehension and reflection through the acquisition of a research language or engaged learning.

By virtue of their Theological Studies courses, minors should:

1. Identify the beliefs and practices of major religious traditions;
2. Understand the richness and complexity of theological and religious traditions, especially in light of contemporary issues and diverse voices;
3. Examine and evaluate critically the diverse ways in which religious beliefs and practices change across time and space;
4. Integrate theological and religious questions and problems through the careful study of either a major theological or religious thinker or a major theological or religious theme.

## **Major Requirements**

The undergraduate major consists of 40 semester hours total (10 courses).

### **Lower Division Requirements (3 courses or 12 semester hours):**

- THST 1000 Hebrew Bible/Old Testament: Theology, History, Interpretation *4 semester hours* or
- THST 1010 New Testament Contexts *4 semester hours*
- THST 1030 Exploring the Catholic Theological Tradition *4 semester hours* or
- THST 1080 Comparative Theology *4 semester hours*
- THST 1500 World Religions of Los Angeles *4 semester hours*

Note:

Normally, THST 1000 or THST 1010 is taken at the beginning of the program of study.

### **Upper Division Requirements (28 semester hours: 3 required courses, 4 elective courses):**

Required Upper Division Courses (12 semester hours)

- Any THST Historical Analysis and Perspectives course *4 semester hours*
- THST 4090 Major Theological and Religious Thinker *4 semester hours*
- THST 4091 Major Theological and Religious Theme *4 semester hours*

#### Upper Division Electives (16 semester hours)

- Four upper division THST electives, including at least one at the 4000-level, are required.

#### Additional Requirements

Additional requirements include fulfilling a language requirement OR taking an additional Engaged Learning flag (beyond the one required in the University Core) in a Theological Studies course. The language requirement is an intermediate level proficiency requirement that can be met in three ways: by satisfactorily passing Language 1 and Language 2 courses; scoring a 4 or 5 on the AP language exam; or by taking the language placement exam and placing above the Language 2 level.

#### Note:

An average grade of C (2.0) must be obtained in the courses included in the major.

We recommend that additional philosophy courses be taken as early as possible. The specific courses are to be determined in conjunction with the student's Theological Studies advisor.

#### Theology Society

The Theology Society is a co-curricular student group open to all Theological Studies undergraduate majors and minors, as well as non-majors/minors who are interested in theological issues and topics. The group convenes monthly, typically sharing lunch and discussion, often with a guest speaker. The group also organizes various outings as opportunities for students to socialize with one another and with Theological Studies faculty. The Theology Society hosts annual visits from admissions representatives from graduate theological programs around the country for interested students. The Theology Society's members also participate in an annual paper competition sponsored by the Department of Theological Studies, in which the winning paper is presented to faculty and students each Spring.

#### Theta Alpha Kappa

LMU's Department of Theological Studies is an institutional member of Theta Alpha Kappa (TAK), the only national honor society serving the needs of those involved in the study of religion and/or theology. The membership of Theta Alpha Kappa is composed of students and professors who have been elected to membership upon the basis of excellence in Theology and Religious Studies. Each Spring the department inducts eligible students into this honor society.

#### TAK Undergraduate Admission Qualifications:

1. Completion of at least three semesters at LMU
2. Successful completion of 16 semester hours of THST course work
3. Cumulative GPA of at least 3.0
4. GPA of at least 3.5 in THST course work

#### Core Curriculum in Theological Studies

- Theological Inquiry (Foundations level) (see Course Descriptions)
- Studies in American Diversity (Foundations level) (see Course Descriptions)
- Historical Analysis and Perspectives (Explorations level) (see Course Descriptions)
- Faith and Reason (Integrations level) (see Course Descriptions)
- Ethics and Justice (Integrations level) (see Course Descriptions)
- Interdisciplinary Connections (Integrations level) (see Course Descriptions)

Only courses in the 1000 series and 3000 series will fulfill the core curriculum requirements. All 4000-level courses have a prerequisite of one upper division course. The 4000-level courses fulfill major or minor requirements. Except for those entering LMU as a transfer student, no student may take a 3000-level course without successful prior completion of a 1000-level course.

#### Theological Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- THST 1000 Hebrew Bible/Old Testament: Theology, History, Interpretation *4 semester hours* or
- THST 1010 New Testament Contexts *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- THST 1030 Exploring the Catholic Theological Tradition *4 semester hours* or
- THST 1080 Comparative Theology *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- THST 1500 World Religions of Los Angeles *4 semester hours*
- University Core *3-4 semester hours*

- University Core 3-4 semester hours
- Elective (or Language 1) 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- Any THST Historical Analysis and Perspectives 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective (or Language 2) 3-4 semester hours

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- THST 4000-level 4 semester hours
- THST Upper Division Elective 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

#### Spring Semester

- University Core 3-4 semester hours
- University Core 3-4 semester hours
- THST Upper Division Elective 4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

### Senior Year

#### Fall Semester

- THST 4091 Major Theological and Religious Theme 4 semester hours
- THST Upper Division Elective (with additional Engaged Learning flag) 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

#### Spring Semester

- THST 4090 Major Theological and Religious Thinker 4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

### Pastoral Theology, M.A.

### Degree Requirements

### Core Courses (8 courses—24 semester hours) in categories A through H:

- THST 6010 Foundations of New Testament Theology 3 semester hours or
- THST 6000 Foundations of Old Testament Theology 3 semester hours
- THST 6030 Introduction to Systematic Theology 3 semester hours
- THST 6060 Foundations of Theological Ethics 3 semester hours or
- one course from the Historical area (6020s) 3 semester hours
- THST 6070 Foundations of Pastoral Theology 3 semester hours
- THST 6074 Spiritual Formation for Pastoral Ministry 3 semester hours
- THST 6078 Supervised Pastoral Field Education 3 semester hours
- THST 6090 Graduate Pro-Seminar 3 semester hours (usually taken during the first semester)
- THST 6091 Pastoral Synthesis Seminar 3 semester hours (student must have completed at least 36 semester hours in order to take this capstone course)

### Pastoral Theology Electives

(18 semester hours)

Pastoral Theology students are required to take one three-semester-hour course in either Liturgy, Religious Education, or Spirituality and select other elective courses offered by the Department of Theological Studies after consultation with their advisor.

The program is designed to allow a student to pursue general interests or a particular concentration. Concentrations are offered in two areas: 1) Pastoral Leadership and 2) Spiritual Direction. Under special circumstances, students may take up to two courses (six semester hours) outside the department.

### Spiritual Direction Concentration

An option for Students in the M.A. in Pastoral Theology

This concentration is designed for anyone enrolled in the Master of Arts in Pastoral Theology who would like to acquire the art of spiritual direction, a ministry of accompanying others in their spiritual journey. The purpose of the concentration is twofold: 1) to provide a course of studies that integrates theology, Scripture, psychology, spirituality, skills acquisition and supervision in the art of spiritual direction and 2) to assist participants to discern whether they are being called to the ministry of spiritual direction.

Upon successful completion of the four required courses listed below, participants will be able to designate that their Master of Arts in Pastoral Theology included a concentration in spiritual direction training.

Students who wish to concentrate their electives in spiritual direction would take the following courses. NOTE: THST 6051 The Theory and Practice of Spiritual Direction, needs to be taken first; THST 6054 Practicum and Supervision in Spiritual Direction, needs to be taken last. The other two courses can be taken whenever opportune, after completing the first course.

- THST 6051 The Theory and Practice of Spiritual Direction 3 semester hours
- THST 6052 Ignatian Spirituality and Discernment 3 semester hours (prerequisite: THST 6051)
- THST 6053 Psychological Foundations of Spiritual Direction 3 semester hours (prerequisite: THST 6051)
- THST 6054 Practicum and Supervision in Spiritual Direction 3 semester hours (taken after completion of the three courses listed above)

## Pastoral Leadership Concentration

An option for Students in the M.A. in Pastoral Theology

### Description:

The concentration is made up of four courses (12 semester hours) that the student chooses from the set of approved courses listed in the Bulletin for this Concentration.

The concentration is designed to educate those who will serve (or who currently serve) as leaders in pastoral settings, either as leaders in specialized ministries or as leaders in general ministry positions. Examples of leaders in specialized ministry include: Directors of Religious Education; Directors of Youth Ministry or Campus Ministry; and Directors of Catechumenate/RCIA. Leaders in generalist ministries include pastors and Pastoral Associates who are assigned a variety of general duties according to need.

The concentration is deliberately open to the students to design under the guidance of the academic advisor. In this way, students who find themselves actively engaged in, or aspiring to, leadership ministries within schools or parishes will choose courses for the concentration that fit their current or aspired ministry commitments.

### Pastoral Leadership Concentration Course Offerings

- THST 6070 Foundations of Pastoral Theology 3 semester hours (graduate core course)

Students are required to take:

- THST 6073 Theory and Practice of Pastoral Leadership 3 semester hours

Students are required to take any two (2) of the following:

- THST 6040 Liturgical Theology: History and Interpretation 3 semester hours
- THST 6041 The Rites 3 semester hours
- THST 6071 Pastoral Approaches to Religious Education 3 semester hours
- THST 6043 Faith and Culture 3 semester hours (Catechesis in Southern California)
- THST 6075 Pastoral Liturgy 3 semester hours
- THST 6076 The Theology of the Parish 3 semester hours
- THST 6077 Special Topics in Pastoral Theology 3 semester hours
- THST 6053 Psychological Foundations of Spiritual Direction 3 semester hours

Pastoral Synthesis Project (Pastoral Theology capstone)

The Pastoral Synthesis Project is the required capstone experience for all Pastoral Theology students. The project is designed to elicit familiarity with scholarly sources and pastoral analysis of issues that impact the contemporary practice of ministry. The project is neither solely a research paper nor a reflection paper, but a synthesis of both. The project is typically done in the last semester of the Pastoral Theology program.

## Learning Outcomes

Students will know the basic contours of:

- Pastoral Theology
- Critical approaches to Biblical Theology and Systematic Theology
- Either Theological Ethics or Historical Theology
- Theological Method;

Students will be able to:

- Assess pastoral situations from a critical stance
- Reflect on ministerial practice in a pluralistic society
- Engage in biblical exegesis with attention both to historical contexts and contemporary pastoral contexts
- Reflect critically on the praxis of faith, particularly within the Roman Catholic context
- Discuss the main contours of either church history or of theological ethics, especially as they relate to ministerial practice
- Integrate theological vision, critical understanding, and a faith attentive to justice;

Students will value:

- The significance of ecclesial community for pastoral practice
- An integrated formation of the person for pastoral ministry
- A pluralistic approach to pastoral ministry.

## Theology, M.A.

### Degree Requirements

Core Courses (7 courses—21 semester hours) in categories A through G:

- THST 6010 Foundations of New Testament Theology 3 semester hours or
- THST 6000 Foundations of Old Testament Theology 3 semester hours
- THST 6020 Foundations of Historical Theology 3 semester hours or
- Any one course from the 6020s
- THST 6030 Introduction to Systematic Theology 3 semester hours
- THST 6060 Foundations of Theological Ethics 3 semester hours
- THST 6090 Graduate Pro-Seminar 3 semester hours (usually taken during the first semester)
- THST 6092 Comprehensive Exam Seminar 3 semester hours (taken after completing 36 semester hours minimum)

- THST 6093 Research and Writing Seminar 3 *semester hours* (taken after completing 36 semester hours minimum)

## Theology Electives (21 semester hours)

Theology students are to complete an additional 21 semester hours for a total of 42 semester hours.

Total: 42 semester hours

## Comparative Theology Concentration

An option for Students in the M.A. (Theology)

M.A. (Theology) students may choose to take elective courses that develop a concentration in Comparative Theology. The concentration in Comparative Theology serves students who wish to focus their program more specifically around questions of religious diversity, inter-religious dialogue, world religions, and comparative theology.

The concentration is comprised of four courses (12 semester hours), one (1) required course (THST 6080 Comparative Theology), and three (3) other approved courses, which the student chooses in conjunction with the academic advisor. Students must also fulfill core requirements as listed above, items A through G.

## Comparative Theology Concentration—Course Offerings

Students who choose to do this Concentration are required to take:

- THST 6080 Comparative Theology 3 *semester hours*

In addition, students are required to take three (3) of the following:

(Or other courses approved by the academic advisor in concert with the graduate director)

- THST 6033 Feminist Theology 3 *semester hours*
- THST 6081 Comparative Religious Ethics 3 *semester hours*
- THST 6082 Comparative Mysticism 3 *semester hours*
- THST 6083 Hinduism, Vedanta, and Yoga 3 *semester hours*
- THST 6084 Buddhism 3 *semester hours*
- THST 6085 Classics of Chinese Philosophy 3 *semester hours*
- THST 6086 Readings in Religious Literature 3 *semester hours*
- THST 6087 Jainism 3 *semester hours*

## Learning Outcomes

Students will know the basic contours of:

- Biblical Theology
- Systematic Theology
- Theological Ethics
- Historical Theology
- Comparative Theology
- Theological Method;

Students will be able to:

- Perform biblical exegesis with attention to historical contexts, the history of interpretation, and contemporary theological developments
- Engage in critical theological reflection on major systematic themes
- Demonstrate a clear grasp of significant developments in the history of the church
- Describe the work of seminal thinkers in the history of Christian ethics and analyze contemporary moral problems
- Demonstrate familiarity with other (non-Christian) religious traditions
- Recognize and employ various theological methods;

Students will value:

- Critical fidelity within the Roman Catholic tradition
- Ecumenical and inter-faith dialogue
- Creative tension between theological unity and diversity.

## Theology Minor

### Theology Minor Requirements

The undergraduate minor consists of 20 semester hours (5 courses).

Minors are required to take a minimum of three upper division courses (at least one of the courses has to be a 4000-level, and one of the courses has to be THST 4090 Major Theological and Religious Thinker OR THST 4091 Major Theological and Religious Theme).

### Catholic Studies Minor

Students with particular interest in Catholic Studies are encouraged to consider the Catholic Studies Minor described in this Bulletin.

### Jewish Studies Minor

Students with particular interest in Jewish Studies are encouraged to consider the Jewish Studies Minor described in this Bulletin.

### Urban Studies

#### Director

Peter R. Hoffman

#### Faculty

Associate Professor: Peter R. Hoffman

Assistant Professor: Mona Seymour

### Urban Studies, B.A.

### Objectives

As an interdisciplinary program, Urban Studies encourages students to examine urbanization and the multitude of issues inherent in urban life from the perspectives of a wide range of disciplines and methodological traditions. The critical analysis of urban issues helps students evaluate the various political, sociocultural, and economic strategies available to urban planners, local governments, law enforcement agencies, and others seeking to remedy the problems of contemporary cities.

The curriculum of the Urban Studies program, including its internship program, allows students to take advantage of one of LMU's greatest assets: the many linkages that connect LMU to the

extraordinarily dynamic, multicultural metropolitan area surrounding the University. Los Angeles is both an educational resource and a laboratory for Urban Studies students.

Career options for Urban Studies majors may be found in local government, law enforcement, real estate development, and urban social services. The major is also appropriate preparation for students seeking careers or graduate education in urban planning, public administration, social welfare, policy analysis, or the law.

## Urban Studies Student Learning Outcomes

By virtue of their Urban Studies Program courses, students should know:

- The general history of urbanization and its associated economic and demographic processes
- The structures and expressions of urbanization and urban life associated with modern and postmodern cities
- The structures and expressions of urbanization and urban life associated with cities of the developed realms/core and those associated with cities of the less developed realm/periphery
- The basic research questions and agendas associated with the various disciplines contributing to our understanding of urban issues
- The general expressions of urbanization and urban life associated with contemporary Los Angeles
- The common theories, practices, and methodologies employed in contemporary urban planning and policy analysis;

By virtue of their Urban Studies Program courses, students should be able to:

- Effectively employ contemporary social science methodology in the analysis of urban issues
- Demonstrate written and oral competencies in the analysis of urban issues and policy
- Identify and utilize appropriate primary data, including census materials, for the analysis of urban issues
- Apply their understanding of urban issues to the development and critical analysis of programs and policies appropriate to addressing contemporary social and economic problems
- Successfully pursue graduate education in such areas as urban planning, public administration, policy analysis, social welfare, and the law upon completion of their major;

By virtue of their Urban Studies Program courses, students should value:

- Diverse perspectives in the analysis and assessment of urban issues and policies
- Thoughtful analysis of the implications of urbanization and urban policy in the context of social justice and sound environmental practices
- Rigorous, scientific research that enlightens the experience of urban populations and contributes to the resolution of the social and environmental problems associated with urbanization
- Community-based participation in the development of programs and policies that contribute to the social, economic, political, and environmental improvement of their communities and cities.

## Major Requirements

### Lower Division Requirements:

16 semester hours:

- URBN 1000 The Urban World *4 semester hours*
- URBN 1010 Urban Analysis *4 semester hours*
- SOCL 2000 Qualitative Research Methods *4 semester hours*
- SOCL 2100 Quantitative Research Methods *4 semester hours*

Note:

A grade of C (2.0) will be required in all lower division major courses.

### Upper Division Requirements:

24 semester hours in upper division courses, including:

- URBN 3045 Urban Planning *4 semester hours*
- URBN 3046 Sustainable Cities *4 semester hours*
- URBN 3047 Community Development *4 semester hours*
- URBN 4000 Senior Project *4 semester hours*

8 semester hours in one or more of the following areas:

1. Law and Justice:

- POLS 3230 Courts, Law, and Society *4 semester hours*
- POLS 4210 United States Constitutional Law: Case Method I *4 semester hours*
- POLS 4220 United States Constitutional Law: Case Method II *4 semester hours*
- SOCL 3130 Sociology of Law *4 semester hours*
- SOCL 3200 Deviant Behavior *4 semester hours*
- SOCL 4100 Criminal Justice *4 semester hours*
- SOCL 4101 Criminal Law *4 semester hours*
- SOCL 4202 Crime and Delinquency *4 semester hours*

2. Urban Politics, Public Administration, and Policy Analysis:

- CLST 3320 Racial and Ethnic Politics *4 semester hours*
- CLST 4310 Chicana/o Politics *4 semester hours*
- ECON 3560 Urban Economics *4 semester hours*
- POLS 3340 Urban Politics *4 semester hours*
- POLS 4390 Politics of Los Angeles *4 semester hours*
- POLS 4250 Public Policy Analysis *4 semester hours*
- SOCL 3120 Social Organization *4 semester hours*

3. Urban Culture:

- HIST 4410 History of Los Angeles *4 semester hours*
- SOCL 3300 Urban Sociology *4 semester hours*
- SOCL 3232 Community *4 semester hours*
- URBN 3010 Metropolitan Los Angeles *4 semester hours*

4. Urban-Ethnic Communities:

- APAM 4327 Asian American Psychology *4 semester hours*
- CLST 3308 Contemporary Urban Issues *4 semester hours*

- ECON 3740 Economic Development of Minority Communities *4 semester hours*
- SOCL 3221 Race and Ethnic Relations *4 semester hours*
- SOCL 3222 Sociology of the Black Community *4 semester hours*

#### 5. Urban Planning:

- ECON 3300 Econometrics *4 semester hours*
- ECON 3340 Forecasting Methods *4 semester hours*
- ECON 5320 Advanced Econometrics *4 semester hours*
- SOCL 3310 Demography and Population Analysis *4 semester hours*
- SOCL 3360 Environment and Society *4 semester hours*

#### Note:

An average grade of C (2.0) must be obtained in the upper division courses included in the major.

### Urban Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- URBN 1000 The Urban World *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- URBN 1010 Urban Analysis *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- SOCL 2000 Qualitative Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- SOCL 2100 Quantitative Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Junior Year

##### Fall Semester

- URBN 3046 Sustainable Cities *4 semester hours*
- URBN 3047 Community Development *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- URBN 3045 Urban Planning *4 semester hours*
- URBN Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Senior Year

##### Fall Semester

- URBN Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- URBN 4000 Senior Project *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

### Urban Studies Minor

#### Minor Requirements

20 semester hours, including

- URBN 1000 The Urban World *4 semester hours*
- URBN 1010 Urban Analysis *4 semester hours*
- URBN 3045 Urban Planning *4 semester hours*
- URBN 3046 Sustainable Cities *4 semester hours*
- URBN 3047 Community Development *4 semester hours*

## Note:

An average grade of C (2.0) must be obtained in the courses included in the minor.

## Women's and Gender Studies

### Faculty

Chairperson: Stella Oh

Associate Professor: Stella Oh

Assistant Professors: Sina Kramer, Traci Voyles

## Women's and Gender Studies, B.A.

### Objectives

The mission of Women's and Gender Studies at Loyola Marymount University is to engage students in a critical understanding of the complex ways gender shapes the world around them, particularly in relation to race, sexuality, class, and other social factors. Women's and Gender Studies invites students to participate in a vibrant interdisciplinary program of study that places women at the center of traditional disciplines. It encourages the critical examination of academic fields such as the humanities, social sciences, natural sciences, and the arts, as well as the gendered assumptions that underwrite them. Further, Women's and Gender Studies proposes not only that we ask different questions of academic disciplines from the perspective of women but also that we transform those fields and ways of knowing through the innovative theoretical tools and new methodologies that have been developed by feminist scholars and activists over the past thirty years. As a department committed to transformation through education, the mission of Women's and Gender Studies is to call attention to the androcentric nature of society, propose alternatives and strategies that honor women's human rights, and promote a vision of society where gender hierarchy, as well as other forms of social injustice, are eliminated. Grounded in feminist pedagogy, Women's and Gender Studies courses provide students with a broad understanding of the asymmetry of gender relations within diverse historical and cultural contexts. Our mission is to foster a vigorous intellectual environment where students can develop their analytical thinking skills and conceptual tools for social change.

### Women's and Gender Studies Student Learning Outcomes

- Students will be able to analyze the complex ways gender shapes the world, particularly in relation to race, sexuality, class, and other social factors.
- Students will be able to evaluate how feminist theories and methodologies provide intellectual tools through which we can examine inequalities and argue for change.
- Students will be able to express commitment to gender and social justice through an intersectional framework.
- Students will be able to clearly articulate their ideas orally and in writing.
- Students will gain information literacy skills.

### Major Requirements

Lower Division Requirements: 12 semester hours

- WGST 1000 Introduction to Gender Studies *4 semester hours*
- WGST 1100 Gender, Race, and Sexuality in Contemporary Society *4 semester hours*

- WGST 2000 Women in Global Communities *4 semester hours* or
- WGST 2200 Women's Bodies, Health, and Sexuality *4 semester hours*

Upper Division Requirements: 24 semester hours

Required Upper Division Courses: 12 semester hours

- WGST 3000 Feminist Theories *4 semester hours* or
- WGST 4001 Queer Theory *4 semester hours*
- WGST 3100 Feminist Research Methods *4 semester hours*
- WGST 4900 Senior Seminar in Women's and Gender Studies *4 semester hours*

Upper Division Options: 12 semester hours

Choose 8 semester hours (2 courses) from one of the following:

- WGST 3200 Women and Environmental Justice *4 semester hours*
- WGST 3300 Gender, Race, and the Graphic Novel *4 semester hours*
- WGST 3301 Literature by Women of Color *4 semester hours*
- WGST 3500 Genders and Sexualities *4 semester hours*
- WGST 3600 History of Women in California *4 semester hours*
- WGST 4100 Sex, Trade, Trafficking *4 semester hours*

In addition, choose 4 semester hours (1 course) from any Women's and Gender Studies upper division course.

At times a special studies course may be taken in lieu of one of the upper division electives. Please consult the Department for advice.

Total: 36 semester hours

Women's and Gender Studies majors should have a minimum of a C (2.0) in all Women's and Gender Studies classes.

Please note that cross-listed courses may have departmental prerequisites; consult departments for details.

### Women's and Gender Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- WGST 1000 Introduction to Gender Studies *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

#### Spring Semester

- WGST 1100 Gender, Race, and Sexuality in Contemporary Society 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- WGST 2000 Women in Global Communities 4 semester hours or
- WGST 2200 Women's Bodies, Health, and Sexuality 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

##### Spring Semester

- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-16 semester hours

#### Junior Year

##### Fall Semester

- WGST 3000 Feminist Theories 4 semester hours or
- WGST 4001 Queer Theory 4 semester hours
- WGST Upper Division Required Elective 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

##### Spring Semester

- WGST 3100 Feminist Research Methods 4 semester hours
- WGST Upper Division Required Elective 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

#### Senior Year

##### Fall Semester

- WGST Upper Division Optional Elective 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

##### Spring Semester

- WGST 4900 Senior Seminar in Women's and Gender Studies 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

#### Women's and Gender Studies Minor

#### Minor Requirements

16 semester hours, including WGST 1000 or WGST 1100, WGST 3000 or WGST 4001, and at least 8 semester hours of WGST upper division courses. A minimum grade of C (2.0) must be earned in the Women's and Gender Studies minor courses. Please note that cross-listed courses may have departmental prerequisites; consult departments for details.

#### Yoga Studies

##### Faculty

**Chairperson:** Christopher Key Chapple

**Clinical Professor:** Ana Funes Maderey

**Adjunct Faculty:** Lori Rubenstein Fazzio

#### Yoga Studies, M.A.

#### Learning Outcomes of the M.A. Program in Yoga Studies

1. Graduates will be able to use their knowledge of the language, history, and philosophy of the Yoga tradition in their analysis of key Yoga texts.
2. Graduates will be able to apply their knowledge of human physiology, in the western and Asian traditions, in the practices of Yoga.
3. Graduates will be able to use their knowledge of the spiritual and ethical dimensions of Yoga in their analysis of key Yoga texts.
4. Graduates will be able to effectively teach a Yoga class.
5. Graduates will be able to design a program to train teachers of Yoga.
6. Students will demonstrate effective research, evaluation, and writing skills on focused topics in Yoga.

#### Degree Requirements

Each Fall semester a new class will be welcomed as a cohort. The cohort will continue together as a group for the duration of the program, beginning each Fall, continuing through the Spring,

Summer and following Fall, concluding the program at the end of the second Spring semester. The total time to complete the M.A. in Yoga Studies will be 21 months with 36 semester hours, plus pre/co-requisites. Admission to the program is available only for the Fall semester.

To earn the degree, each student must demonstrate successful completion of one of the following LMU Yoga studies Extension Certificates: Yoga Philosophy, Vinyasa Krama Teacher Training, Yoga Therapy Rx, Yoga Ed, Yoga Mindfulness and Social Change, or Yoga and the Healing Sciences OR will be allowed, upon review, to transfer six post-graduate credits from another institution in an area related to Yoga Studies.

## Curriculum

### Fall, Year 1

- YGST 6015 Foundations of Yoga Studies *3 semester hours*
- YGST 6010 Health Science and Yoga *3 semester hours*
- Introduction to Sanskrit: This requirement must be completed by enrollment in YGPX 800 Beginning Sanskrit and YGPX 801 Intermediate Sanskrit. These LMU Extension courses provide the student with a foundational understanding of Sanskrit writing and grammar.

### Spring, Year 1

- YGST 6020 Yoga Philosophy: Text and Practice *3 semester hours*
- YGST 6026 Sanskrit: The Bhagavad Gita *3 semester hours*
- YGST 6030 Hatha Yoga Texts *3 semester hours*

### Summer, Year 1

- YGST 6040 Buddhism and Yoga *3 semester hours*
- YGST 6041 Jaina Yoga *3 semester hours*

### Fall, Year 2

- YGST 6025 Sanskrit: The Yoga Sutra *3 semester hours*
- YGST 6050 History of Modern Yoga *3 semester hours*
- YGST 6082 Comparative Mysticism *3 semester hours*

### Spring, Year 2

- YGST 6095 Comprehensive Exam Seminar *3 semester hours*
- YGST 6096 Writing and Research Seminar *3 semester hours*

# College of Business Administration

## Administration

Dean: Dennis W. Draper

Associate Deans: Reneé Florsheim (Undergraduate) and Bob Pettit (Graduate)

Directors: Yongsun Paik (Center for Asian Business); Lawrence P. Kalbers (Center for Accounting Ethics, Governance, and the Public Interest); David Choi (Fred Keisner Center for Entrepreneurship); Richard Stafford (Executive MBA Program)

## Organization

The College is organized into four Departments, each led by a Chairperson.

Department of Accounting

Department of Finance and Computer Information Systems

Department of Management

Department of Marketing and Business Law

The College also operates four Centers, each led by a Director.

Center for Accounting Ethics, Governance, and the Public Interest

Center for Asian Business

Center for Ethics and Business (related courses offered through the Departments)

Fred Keisner Center for Entrepreneurship (related courses offered through the Departments)

## Graduate Degree Programs

The College offers the Master of Business Administration in different formats. The part-time MBA addresses the educational demands of a person who recognizes the need to continue to build his or her career.

The Executive MBA (EMBA) is for the experienced business leader who aspires to executive-level responsibility.

The College also offers a Master of Science in Accounting.

## Baccalaureate Degree Programs

The College offers three Baccalaureate Degrees:

A bachelor of Business Administration (B.B.A.) with majors in Applied Information Management Systems, Entrepreneurship, Finance, Management, and Marketing; a Bachelor of Science (B.S.) with a major in Applied Information Management Systems; and the Bachelor of Science in Accounting (B.S.A.).

## Mission of the College of Business Administration

The College of Business Administration, as a community and an integral part of a premier Catholic university in the Jesuit and Marymount traditions, prepares men and women to lead and serve in their organizations and communities with competence, values, ethics, and stewardship. As teacher-scholars, our faculty pursues excellence in the learning process and conducts scholarship that enhances student learning and advances academic and business knowledge. We encourage our students and faculty to balance creativity with knowledgeable inquiry and sound reasoning to develop compelling approaches for advancing the interests of both industry and society, thereby improving the global community.

## Core Values of the College of Business

### Administration

**Commitment to Students:** We care about our students and are committed to their success. Consistent with the education of the whole person, we view each individual and her/his development as important and worthy of the investment of our time and resources. We are also committed to our alumni as lifetime learners and as lifetime members of the CBA community.

**Competence:** We seek an uncompromising standard of excellence from our faculty, staff and students. Competence provides the underlying foundations enabling an individual to positively transform organizations and society. Competence includes technical skills, critical thinking, oral and written communications, and interpersonal skills.

**Ethics and Stewardship:** We dedicate ourselves to developing ethical leaders who visibly demonstrate affirmative values in their personal and professional endeavors. Ethical stewardship encompasses principled behavior and the tenets of corporate social responsibility, including attention to economic, social and environmental performance. We encourage personal and organizational integrity and responsibility, as expressed in concern for both the welfare of all stakeholders and the pursuit of long-term sustainability and economic value.

**Community:** We strive for an academic community that is diverse, inclusive and collaborative. We are committed to establishing and nurturing robust relationships based on trust, integrity, empathy and respect among members of the LMU community, and with organizations and individuals in local and global communities.

**Intellectual Curiosity and Inquiry:** We pursue a lifelong commitment to intellectual curiosity and inquiry in our students and faculty. Our faculty effectively demonstrates the value of these pursuits through scholarship that broadens and enriches the educational opportunities for our students, creates knowledge for the academic community, provides solutions for the business community and supports the public interest.

## College of Business Administration Undergraduate Curriculum

The courses within the three undergraduate degree programs (Bachelor of Business Administration, Bachelor of Science [AIMS major], and Bachelor of Science in Accounting) are categorized in five groups:

B.B.A.	Semester Hours
A. University Core Curriculum	31 (minimum)
B. Pre-Business Requirements	11
C. Business Core	37
D. Major Requirements	15
E. Electives	26 (approximately)
	—
<b>Total:</b>	<b>Minimum=120</b>

### B.S. (AIMS Major) (see Department)

B.S. in Accounting	Semester Hours
A. University Core Curriculum	34 (minimum)
B. Pre-Business Requirements	10
C. Accounting Major Specific Core	31

D.	Major Requirements	33
E.	Electives	18 (approximately)
		—
<b>Total</b>		<b>Minimum=126</b>

#### Special Note:

The purpose of the above listing is simply to indicate the overall structure of the three programs in business. The order in which the courses must be taken is governed in all cases by the contribution of each course to the overall system. The *suggested* sequence of courses is shown in the following curriculum sections of this Bulletin.

**All Business students must earn a grade of C (2.0) or higher in the following courses: ACCT 2110, ACCT 2120; BADM 1010, BADM 1020, BADM 1030, BADM 1040; ECON 1050 (or ECON 1100 and ECON 1200), ECON 2300; and MATH 112 and MATH 120, as these are prerequisites for other required business classes. Failure to earn a C in one of courses will prevent the student from taking those other required courses until the course has been repeated and an acceptable grade earned. If not done immediately, this can delay progress toward graduation.**

#### Total Program

The B.B.A. and B.S. (AIMS major) degree programs require a **minimum** of 120 semester hours, and the B.S. in Accounting degree program requires a **minimum** of 126 semester hours for graduation, including the prescribed business administration core courses and those listed above. A **minimum** of 45 semester hours must be from upper division course offerings. Please note that completion of a program may require more than 120 (or 126) semester hours, depending upon the specific curriculum followed by the individual student. **A student who has completed 120 (or 126) semester hours, but who has not met all of the specific requirements of the program(s) in which s/he is enrolled, is not eligible for graduation.**

#### Transfer Credit

The College can accept only those business and pre-business courses which are reasonably equivalent and at the same level of instruction as courses offered by Loyola Marymount University. Lower division courses in business and economics that may be accepted in transfer include the equivalents of the following Loyola Marymount University courses:

- ACCT 2110 Financial Accounting
- ACCT 2120 Accounting Information for Decision Making
- BLAW 2210 Legal and Regulatory Environment
- ECON 1050 Introductory Economics
- ECON 2300 Introductory Statistics

The following policies apply to all work transferred to the College of Business Administration at Loyola Marymount University, whether from a two-year or a four-year school:

- Students must obtain Transfer Course Approval *prior* to registration at other institutions.
- Students may not enroll in classes, whether in person or online, offered at other institutions while enrolled at LMU.
- A course that Loyola Marymount University offers at the junior or senior level (courses numbered 3000 or above), but was taken by a transfer student at the sophomore level at another school, cannot be accepted for credit. Such courses can be recognized only if a challenge exam is available and the student takes such an exam after admission to the College.

- All transfer courses must be taken for a letter grade, and the student must receive a grade of C (2.0) or higher.
- Upper division business courses may only be transferred from a four-year, AACSB-accredited institution.
- Upper division Accounting classes may not be transferred to LMU.

#### Current LMU Students Interested in Transferring to the College of Business Administration

A change of major into any of the majors in the College of Business Administration requires an application process and acceptance into the major. Students who are undeclared or who are currently enrolled in another undergraduate major at LMU, but are interested in changing to one of the majors offered by the College of Business Administration are encouraged to apply during their first year at LMU. Students may apply to the College as sophomores, but should realize that this could delay the completion of their degrees beyond the normal four years. Students are asked to demonstrate their interest and aptitude in Business Administration by completing MATH 112 or an equivalent course in Calculus with a minimum grade of B (3.0) and ECON 1050, or equivalent courses in both Macroeconomics and Microeconomics, with a minimum grade of B- (2.7). In addition, applicants must have a minimum cumulative GPA of 3.2 to be considered. Attainment of minimum requirements may not always be sufficient to secure approval of transfer request; if there are a large number of requests, the application process may be competitive.

Applications will be accepted through the end of the seventh week of Fall and Spring semesters. Students may apply if they have completed all of the prerequisites or if they are currently enrolled in the last remaining requirement. If all requirements have been met, the application will be evaluated by the Associate Dean's Office, and the student will be informed of the decision in time to submit the Change of Program and register for the following semester in the new major. If there are still grades outstanding, the student will not be informed of the decision until the final grade(s) has been posted. At that point, the College will make an effort to enroll the student into any remaining available business courses for the following semester.

#### External Transfer Student Policy

Students interested in transferring to the LMU College of Business Administration from another college or university must complete a course in calculus with a minimum grade of B (3.0) and have a cumulative GPA of B (3.0).

#### Majors within the College of Business Administration

The College offers six majors at the Undergraduate level. It should be noted that due to substantial commonalities in the form of an identical Business Core required of each of the BBA majors, the College does not offer any double majors. For example, a student may *not* double major in Entrepreneurship and Finance. It is, however, possible to do a dual degree with one of the business majors and a major in another College (Management and Chicana/o Studies, for example). And, of particular interest to those Accounting students attempting to complete the 150 hours of coursework required for the CPA, it is also possible to earn a B.S. in Accounting in conjunction with a BBA in one of the other business majors (Accounting and Finance is probably the most popular of these) by completing an additional 30 credits beyond those required by the first degree. Again, this is considered a dual degree, not a double major.

#### Minors within the College of Business Administration

## Business Administration Minor

Objectives: *The Business Administration Minor is designed for and offered to students with non-business majors only.* Course content will provide adequate coverage and include the necessary breadth to provide a general understanding of the business discipline. The program has no prerequisites but assumes the students have a sufficient understanding of economics and basic mathematics skills in order to understand fundamental analytical business concepts. Admission to the minor is competitive, based upon grades, demonstrated ability to handle quantitative coursework, and difficulty of program in the major.

Structure: The Business Administration Minor is designed as a cohort structure, where students take four required foundational courses, two during the Fall semester and two during the Spring semester of their sophomore or junior year. Two additional business electives will be taken during the following semesters and chosen in consultation with the minor advisor. All courses must be taken in residence at LMU to ensure coherence and completeness of the cohort learning experience. An assessment test will be given after all four foundational courses have been completed, to ensure students have mastered the information covered in these courses. A minimum cumulative GPA of 2.5 is required in the minor.

Students may apply for the minor during the Fall of their junior year at the very latest, due to the cohort approach of the program, which requires a minimum of 3 semesters to complete. For students pursuing certain majors, in which course times in the major may conflict with those in the minor, an earlier application may be necessary in order to avoid such conflicts. Students planning to study abroad may be deferred for a semester, but will need to plan accordingly.

Minor Requirements: All business minor students are required to complete four sequential foundational courses (12 semester hours) and two (6 semester hours) upper division business elective classes, all with a grade of C (2.0) or higher.

- BADM 3010 Analytical Concepts and Methods for Business
- BADM 3020 Economic Environment, Marketing, and Business Law Concepts
- BADM 3030 Key Concepts of Accounting and Finance
- BADM 3040 Management and Society: Issues in Strategic and Ethical Management

Students will also complete two upper division business classes (6 semester hours) based upon their understanding of foundational courses as well as personal interest and career plan. Upper division and elective courses appropriate for those in the business minor program will be designated by the faculty of each CBA department and in consultation with a business faculty advisor. All minor required courses must be completed in residence.

## Accounting Minor

ACCT 2110, ACCT 2120, and at least three of the following courses: ACCT 3110, ACCT 3120, ACCT 3130, and ACCT 4120. All upper division Accounting courses must be taken in residence at LMU. A minimum cumulative GPA of 2.5 must be earned in the Minor area. The Accounting minor is open to **Business Administration majors ONLY**.

## Business Law Concentration

To earn a concentration in Business Law, students are required to complete nine semester hours of advanced Business Law classes. Business Law courses taken as part of, or required by, the major or another program in which the student is registered may not be used to fulfill this requirement as well.

## International Business Concentration

To earn a Concentration in International Business, students are required to complete three advanced International Business electives (9 semester hours). International Business courses taken as part of, or required by, the major or another program in which the student is registered may not be used to fulfill this requirement as well.

The courses generally required for the International Business Concentration are:

INBA 4830 International Management  
INBA 4880 International Finance

INBA 4898 International Marketing *or*  
MRKT 4597 Marketing Strategy in the Global Environment

If one or more of the above required courses has been taken as a part of the student's major or has not been offered or available recently, the following courses may be substituted to fulfill the requirements of the concentration:

INBA 4840 International Entrepreneurship  
INBA 4850 International Business Law  
INBA 4870 Multinationals and the Third World  
INBA 4872 Managing a Global Workforce

To the degree that it is possible, it is *strongly* recommended that a student must, during his or her LMU program, have participated in an LMU-sponsored or LMU-approved Study Abroad program.

It is further recommended, although not a requirement of the Concentration, that the student take sufficient coursework in a second language to gain proficiency.

## Beta Gamma Sigma Honor Society

Beta Gamma Sigma is the honor society for students enrolled in business and management programs accredited by AACSB International - the Association to Advance Collegiate Schools of Business. Election to lifetime membership in Beta Gamma Sigma is the highest honor a business student can achieve. Juniors and seniors in the top 10% and MBA students in the top 20% of their class may be invited to membership. Beta Gamma Sigma membership provides recognition for a lifetime. With alumni chapters in major metropolitan areas across the United States, the BGS Career Central job board and the BetaLink online membership community, those recognized for their academic achievements at Loyola Marymount University can continue an active relationship with Beta Gamma Sigma long after graduation. This lifelong commitment to its members' academic and professional success is defined in the Society's mission: to encourage and honor academic achievement in the study of business and personal and professional excellence in the practice of business.

## Business Administration Minor

### Objectives

The Business Administration Minor is designed for and offered to non-business students only. Course content will provide adequate coverage and include the necessary breadth to provide a general understanding of the business discipline. The program has no prerequisites but assumes the students have a sufficient understanding of economics and basic mathematics skills in order to understand fundamental analytical business concepts.

### Structure

The Business Administration Minor is designed as a cohort structure, where students take four required foundational courses, two during the Fall semester and two during the Spring semester of their sophomore or junior year. Two additional business electives will be taken during the following semesters and chosen in consultation with the minor advisor. All courses **must be taken in residence** to ensure coherence and completeness of the cohort

learning experience. An assessment test will be given after all four foundational courses have been completed, to ensure students have mastered the information covered in these courses. A **minimum cumulative GPA of 2.5 is required** in the minor.

Students are asked to apply for the minor during the Spring semester of their freshman or sophomore year and will be notified of the decision in time for Fall semester registration. Enrollment in the foundational courses will begin during the Fall semester of the sophomore/junior year. In some exceptional cases, the Associate Dean may allow students to apply during the Spring semester of their freshman year and enroll in courses the Fall semester of their sophomore year.

## Minor Requirements

All business minor students are required to complete four foundational courses (12 semester hours) and two (6 semester hours) upper division business elective classes, **all with a grade of C (2.0) or higher.**

- BADM 3010 Analytical Concepts and Methods for Business 3 *semester hours*
- BADM 3020 Economic Environment, Marketing, and Business Law Concepts 3 *semester hours*
- BADM 3030 Key Concepts of Accounting and Finance 3 *semester hours*
- BADM 3040 Management and Society: Issues in Strategic and Ethical Management 3 *semester hours*

### Note:

Students will also complete two upper division business classes (6 semester hours) based upon their understanding of foundational courses as well as personal interest and career plan. Upper division and elective courses appropriate for those in the business minor program will be designated by the faculty of each CBA department and in consultation with a business faculty advisor. **All minor required courses must be completed in residence.**

## Accounting

### Faculty

Chairperson: Lawrence Kalbers

Professors: Lawrence Kalbers (R. Chad Dreier Chair in Accounting Ethics), Mahmoud M. Nourayi (Paul A. Grosch Professor)

Professor in Residence: Michael Moore

Associate Professor: Laurel Franzen

Assistant Professors: Timothy Haight, Rosemary Kim, Zining Li, James Plečnik, Meghna Singhvi, Shan Wang, Terry Wang

Clinical Associate Professor: Nancy Coster

Clinical Assistant Professor: Scott Delanty

### Accounting, B.S.A.

## Objectives

The Bachelor of Science in Accounting degree program is designed to prepare ethical leaders for the accounting profession. The accounting curriculum will prepare students for a career in public, corporate, and governmental accounting. Students will learn the basic definitions, concepts, and techniques of accounting, as well as the role accounting plays in society. At least 80 percent of our graduates will be able to start graduate studies or careers in accounting at entry-level professional positions.

## Goal

Students are expected to be able to describe, apply, and evaluate accounting concepts and standards at a professional level.

## Learning Outcomes

- Students will be able to prepare and analyze financial statements
- Students will be able to identify relevant authoritative guidance to apply appropriate professional judgments
- Students will be able to integrate financial accounting reporting with managerial accounting methods to produce data for use in real-world business decisions
- Students will be able to explain, apply, and evaluate relevant topics related to federal income tax
- Students will be able to explain and apply an ethical conceptual framework to address real-world ethical problems.

## Major Requirements

### Lower Division Requirements:

- ACCT 2110 Financial Accounting 3 *semester hours*
- ACCT 2120 Accounting Information for Decision Making 3 *semester hours*
- BADM 1010 Business Perspectives—Business Institutions 1 *semester hour*
- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models 1 *semester hour*
- BADM 1030 Business Perspectives—Information Technology in Organizations 1 *semester hour*
- BADM 1040 Business Perspectives—Globalization 1 *semester hour*
- BLAW 2210 Legal and Regulatory Environment 3 *semester hours*
- ECON 1050 Introductory Economics 4 *semester hours* or
- ECON 1100 Introductory Microeconomics 4 *semester hours* and
- ECON 1200 Introductory Macroeconomics 4 *semester hours*
- ECON 2300 Introductory Statistics 4 *semester hours*
- MATH 112 Mathematical Analysis for Business II 3 *semester hours*

### Upper Division Requirements:

- ACCT 3110 Intermediate Accounting I 4 *semester hours*
- ACCT 3120 Intermediate Accounting II 4 *semester hours*
- ACCT 3130 Cost Management 4 *semester hours*
- ACCT 3140 Accounting Information Systems 4 *semester hours*
- ACCT 4110 Advanced Accounting 4 *semester hours*
- ACCT 4120 Income Tax Accounting 4 *semester hours*
- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest 4 *semester hours*
- ACCT 4160 Auditing 4 *semester hours*
- AIMS 3770 Production Operations Analysis 3 *semester hours*

- BADM 4970 Strategic Management 3 *semester hours*
- BLAW 3210 Business Law Applications and Cases 3 *semester hours*
- FNCE 3410 Fundamentals of Finance 3 *semester hours*
- INBA 3810 International Business 3 *semester hours*
- MGMT 3610 Managing People and Organizations 3 *semester hours*
- MRKT 3510 Principles of Marketing 3 *semester hours*

**Note:**

All upper division accounting courses must be taken in residence at LMU. A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

**Core, Major, and Elective Accounting Courses:**

- ACCT 2110 Financial Accounting 3 *semester hours*
- ACCT 2120 Accounting Information for Decision Making 3 *semester hours*
- ACCT 3110 Intermediate Accounting I 4 *semester hours*
- ACCT 3120 Intermediate Accounting II 4 *semester hours*
- ACCT 3130 Cost Management 4 *semester hours*
- ACCT 3140 Accounting Information Systems 4 *semester hours*
- ACCT 4110 Advanced Accounting 4 *semester hours*
- ACCT 4120 Income Tax Accounting 4 *semester hours*
- ACCT 4130 Financial Statements Analysis 4 *semester hours*
- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest 4 *semester hours*
- ACCT 4160 Auditing 4 *semester hours*
- ACCT 4180 Fraud Examination 3 *semester hours*
- ACCT 4198 Special Studies 1 TO 3 *semester hours*
- ACCT 4199 Independent Studies 1 TO 3 *semester hours*

**Note:**

For purposes of meeting the requirements for the B.S.A. degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in the following required Accounting major courses: ACCT 3110, ACCT 3120, ACCT 3130, ACCT 3140, ACCT 4110, ACCT 4120, ACCT 4150, and ACCT 4160.

**Accounting Model Four-Year Plan**

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.S.A. degree. All 3000- and 4000-level accounting courses must be taken in residence at Loyola Marymount University.

**Freshman Year**

**Fall Semester**

- BADM 1010 Business Perspectives—Business Institutions 1 *semester hour*
- ECON 1050 Introductory Economics 4 *semester hours*
- MATH 120 Precalculus Mathematics 3 *semester hours* (if necessary)

- FFYS 1000 First Year Seminar 3 OR 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-16 semester hours

**Spring Semester**

- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models 1 *semester hour*
- MATH 112 Mathematical Analysis for Business II 3 *semester hours*
- RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

**Sophomore Year**

**Fall Semester**

- ACCT 2110 Financial Accounting 3 *semester hours*
- BADM 1030 Business Perspectives—Information Technology in Organizations 1 *semester hour*
- BLAW 2210 Legal and Regulatory Environment 3 *semester hours*
- ECON 2300 Introductory Statistics 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-15 semester hours

**Spring Semester**

- ACCT 2120 Accounting Information for Decision Making 3 *semester hours*
- BADM 1040 Business Perspectives—Globalization 1 *semester hour*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

**Junior Year**

**Fall Semester**

- ACCT 3110 Intermediate Accounting I 4 *semester hours*
- ACCT 3140 Accounting Information Systems 4 *semester hours*
- FNCE 3410 Fundamentals of Finance 3 *semester hours*
- MGMT 3610 Managing People and Organizations 3 *semester hours*
- MRKT 3510 Principles of Marketing 3 *semester hours*

Total: 17 semester hours

**Spring Semester**

- ACCT 3120 Intermediate Accounting II 4 *semester hours*
- ACCT 3130 Cost Management 4 *semester hours*

- AIMS 3770 Production Operations Analysis 3 semester hours
- INBA 3810 International Business 3 semester hours
- University Core 3-4 semester hours

Total: 17-18 semester hours

## Senior Year

### Fall Semester

- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest 4 semester hours
- ACCT 4110 Advanced Accounting 4 semester hours
- ACCT 4160 Auditing 4 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

### Spring Semester

- ACCT 4120 Income Tax Accounting 4 semester hours
- BADM 4970 Strategic Management 3 semester hours
- BLAW 3210 Business Law Applications and Cases 3 semester hours
- Elective 2 semester hours

Total: 12 semester hours

## Academic Plan

Effective January 1, 2014, accounting students in the state of California are required to have 150 credit hours for CPA licensure. The California Board of Accountancy currently allows candidates to sit for the CPA exam upon completion of their undergraduate degree; however, candidates will need an additional 30 credit hours of accounting courses to be eligible for CPA licensure. (LMU's B.S. in Accounting degree requires 126 credit hours.) Accounting majors are encouraged, but not required, to include 150 semester hours of study in their academic planning process. The 150 semester hours of study is now required to practice public accounting in most states. Their plan might include undertaking minors and/or an additional major/degree or pursuing Master of Science in Accounting at LMU or other acceptable graduate programs. Students are encouraged to discuss with the Accounting Department Chair and/or their academic advisor various possible tracks to earn the 150 semester hours.

### Accounting, M.S.A.

## Objectives

The overall objective of the Master of Science in Accounting (MSA) is to provide an opportunity for students with an undergraduate degree in accounting, or its equivalent, to complete their accounting education in a high quality program that will enhance their future professional growth opportunities. The program will equip students with the necessary advanced knowledge and skills to be productive and ethical accounting professionals and leaders. The Master of Science in Accounting is a 30-semester-hour program that is designed for:

- Students who are enrolled in, or have completed, an undergraduate degree in accounting and wish to enter a Master's program that will comply with the 150-hour California requirement for CPA licensure

- Students who have not completed an undergraduate degree in accounting but have met the prerequisites for accounting and business courses.

The purpose of the MSA program is to prepare graduates for accounting and managerial positions in public accounting, private industry, management consulting, and government and not-for-profit organizations.

## Learning Outcomes

Specific learning objectives include:

- Develop the skills necessary for critical thinking, professional research and continuous learning
- Develop a global perspective of business and accounting practices
- Provide a framework for developing leadership and team-building skills
- Provide a framework for recognizing the importance of social responsibility and making ethical business decisions
- Develop effective communication skills and strong interpersonal skills.

## Major Requirements

The MSA program requires a minimum of 30 semester hours. The program may be completed on a full-time or part-time basis. The full-time program typically begins in the Fall semester and is completed at the end of the following Spring semester (9 months). Completing the program in 9 months requires a minimum of 15 semester hours in the Fall and Spring semesters. Part-time students must complete the MSA program within five years of their first registration date. All academic requirements must be completed in residence. Baccalaureate degree holders with insufficient accounting coursework must complete prerequisite courses before entering the program (which may be completed at LMU). Admission into the MSA program is conditional upon successful completion of prerequisite core accounting coursework. This coursework may be completed at any regionally accredited college or university or may be completed in residence at LMU. The basic core of accounting coursework includes:

- A minimum of 24 semester hours of accounting subjects, including intermediate accounting, advanced accounting, auditing, accounting information systems, cost accounting, and taxation
- A minimum of 24 semester hours in business-related subjects, including 6 semester hours of business law
- A minimum of 7 semester hours of ethics study (may be completed at LMU).

The specific degree requirements for the MSA program include:

1. A minimum of 30 semester hours of graduate coursework approved by the MSA director. This includes 15 semester hours of core MSA graduate accounting courses.
2. Students must have either completed a course in accounting ethics or take as an elective course Accounting Ethics, Professionalism and the Public Interest (ACCT 6150).
3. Each student must complete 9 semester hours of graduate coursework in a specialization of either Tax or Financial Reporting/Audit approved by the MSA director.
4. Up to 6 semester hours of graduate study may be elected from graduate-level College of Business Administration courses beyond core classes.

All MSA students are required to complete the following core courses and select a concentration path in Tax or Financial Reporting/Audit.

### Required Core Classes (15 Semester Hours)

- ACCT 6110 Financial Reporting - Standard Setting Process and Financial Accounting Theory 3 *semester hours*
- ACCT 6120 Taxes and Business Strategy 3 *semester hours*
- ACCT 6130 Accounting Information, Analysis, and Evaluation 3 *semester hours*
- ACCT 6160 Advanced Auditing 3 *semester hours*
- ACCT 6170 Professional Accounting Research 3 *semester hours*

### Note

All MSA students who have not completed a 3-semester-hour course in accounting ethics or professional responsibilities must complete ACCT 6150 Accounting Ethics, Professionalism, and the Public Interest as an elective class. All students who have not completed a 3-semester-hour course in advanced accounting must complete ACCT 5110 Advanced Accounting Topics as an elective course.

### Elective Courses

#### Accounting and Taxation Electives (9-15 semester hours)

Electives may include: Fraud Examination, Financial Statement Analysis, Valuation, Advanced Accounting Information Systems, Current Issues in Accounting, Accounting Internship, Taxation of Corporations and Shareholders, Taxation of Flow-Through Entities, State and Local Taxation, International Taxation, Estate and Gift Taxation and Planning, and Tax Internship.

#### Business Electives (0-6 semester hours)

Students may select any College of Business Administration graduate-level courses beyond the MBA core. Courses must be approved by the MSA director. Students may register for a maximum of 3 semester hours of internship experience (ACCT 6197) and a maximum of 3 semester hours of Directed Studies with the consent of the faculty as approved by the MSA director.

### Accounting Minor

#### Accounting Minor Requirements

- ACCT 2110 Financial Accounting 3 *semester hours*
- ACCT 2120 Accounting Information for Decision Making 3 *semester hours*

At least three of the following courses:

- ACCT 3110 Intermediate Accounting I 4 *semester hours*
- ACCT 3120 Intermediate Accounting II 4 *semester hours*
- ACCT 3130 Cost Management 4 *semester hours*
- ACCT 4120 Income Tax Accounting 4 *semester hours*

### Note:

All upper division Accounting courses must be taken in residence. A minimum cumulative GPA of 2.5 must be earned in the minor area.

All minor required courses must be completed in residence. Open to **Business Administration majors only.**

### Finance, Computer Information Systems and Operations Management

#### Faculty

Chairperson: Richard J. Perle

Professors: Dennis T. Draper, Chun I. Lee, Micah Officer, Richard J. Perle, Zbigniew H. Przasnyski, Kala Chand Seal

Associate Professors: Susan Elkinawy, Allen Gray, Charles J. Higgins, Linda A. Leon, Robbie Nakatsu, David Offenber

Assistant Professors: Ying Sai, Joshua D. Spizman, Hai Tran, Yan Zhang

### Applied Information Management Systems (AIMS), B.B.A.

### Objectives

The Bachelor of Business Administration (B.B.A.) degree in Applied Information Management Systems (AIMS) is designed to 1) prepare students for careers in the IT (information technology) field; 2) provide analytical and quantitative skills for careers in such areas as business analytics and consulting; 3) provide hands-on experience with cutting edge information technologies; and 4) teach critical skills to help students continuously adapt to the ever-changing field of information technology and their applications in business. Beginning in Fall 2013, students may also elect a Bachelor of Science (B.S) degree in AIMS, which will require four courses in the Department of Computer Science, in addition to satisfying all the requirements of the Bachelor of Business Administration in AIMS.

### Learning Outcomes

The Applied Information Management Systems major involves the application of computers to meet the information needs of organizations. It prepares students to use modern information technology to solve business problems at the operational, technical, and strategic levels. Learning outcomes for AIMS majors are as follows:

- Utilize competencies gained from hands-on experience in core information technologies including:
  - programming languages
  - database management systems
  - spreadsheets and other software used to analyze data
  - web development techniques and technologies
  - networking and telecommunications
- Apply critical thinking and problem-solving skills when analyzing business problems
- Identify problems, structure problems, propose an IT solution, and solve the problem
- Have the knowledge to plan, manage, develop, and implement information systems in business and organizational settings
- Learn how to effectively work in teams
- Effectively communicate complex technological concepts including
  - oral communications
  - written communications

### Major Requirements

#### Lower Division Requirements:

- ACCT 2110 Financial Accounting *3 semester hours*
- ACCT 2120 Accounting Information for Decision Making *3 semester hours*
- AIMS 2710 Management Information Systems *3 semester hours*
- BADM 1010 Business Perspectives—Business Institutions *1 semester hour*
- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models *1 semester hour*
- BADM 1030 Business Perspectives—Information Technology in Organizations *1 semester hour*
- BADM 1040 Business Perspectives—Globalization *1 semester hour*
- BLAW 2210 Legal and Regulatory Environment *3 semester hours*
- ECON 1050 Introductory Economics *4 semester hours* or
- ECON 1100 Introductory Microeconomics *4 semester hours* and
- ECON 1200 Introductory Macroeconomics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Mathematical Analysis for Business II *3 semester hours*

#### Upper Division Requirements:

- AIMS 3770 Production Operations Analysis *3 semester hours*
- BADM 4950 Business and Social Responsibility in the Global Economy *3 semester hours*
- BADM 4970 Strategic Management *3 semester hours*
- FNCE 3410 Fundamentals of Finance *3 semester hours*
- INBA 3810 International Business *3 semester hours*
- MGMT 3610 Managing People and Organizations *3 semester hours*
- MRKT 3510 Principles of Marketing *3 semester hours*

#### Note:

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and math courses).

For purposes of meeting the requirements for the Applied Information Management Systems major, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

#### Core, Major, and Elective Applied Information Management Systems Courses:

- AIMS 2710 Management Information Systems *3 semester hours*
- AIMS 3710 Database Management Systems *3 semester hours*
- AIMS 3720 Systems Analysis and Design *3 semester hours*
- AIMS 3770 Production Operations Analysis *3 semester hours*
- AIMS 3797 Internship *1 semester hour*

- AIMS 4720 Object-Oriented Programming *3 semester hours*
- AIMS 4730 Business Data Communications *3 semester hours*
- AIMS 4740 Financial Modeling for Decision Support *3 semester hours*
- AIMS 4750 Web-based Development *3 semester hours*
- AIMS 4760 Analytics and Business Intelligence *3 semester hours*
- AIMS 4770 Information Technology Security *3 semester hours*
- AIMS 4797 Capstone Project *3 semester hours*
- AIMS 4798 Special Studies *1 TO 3 semester hours*
- AIMS 4799 Independent Studies *1 TO 3 semester hours*

### Bachelor Business Administration (BBA) in Applied Information Management Systems

All majors in AIMS must complete AIMS 2710 and BADM 1030 before they can start taking the upper division courses.

The B.B.A. in AIMS is intended to provide students with broad technological and business knowledge so that they are equipped to tackle a wide array of problems across many different kinds of jobs and organizational settings. Students with a B.B.A. in AIMS are required to complete five courses in the AIMS area including three required classes: AIMS 3710 Database Management Systems, AIMS 3730 Programming for Business Applications, and AIMS 4797 Capstone Project.

Two additional electives are to be chosen from the following:

- AIMS 3720 Systems Analysis and Design *3 semester hours*
- AIMS 4720 Object-Oriented Programming *3 semester hours*
- AIMS 4740 Financial Modeling for Decision Support *3 semester hours*
- AIMS 4750 Web-based Development *3 semester hours*
- AIMS 4730 Business Data Communications *3 semester hours*
- AIMS 4760 Analytics and Business Intelligence *3 semester hours*
- AIMS 4770 Information Technology Security *3 semester hours*

#### Note:

Students may take CMSI 185 Computer Programming in the Frank R. Seaver College of Science and Engineering in lieu of AIMS 3730 Programming for Business Applications. However, students who choose to take CMSI 185 to satisfy the programming requirement must take three AIMS electives rather than two. At the same time, CMSI 185 will fulfill the University Science and Technology core curriculum requirement for the AIMS major.

### Model 4-Year Plan—Bachelor of Business Administration—Applied Information Management Systems Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Applied Information Management Systems major) degree.

## Freshman Year

### Fall Semester

- BADM 1010 Business Perspectives—Business Institutions *1 semester hour*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

### Spring Semester

- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models *1 semester hour*
- MATH 112 Mathematical Analysis for Business II *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

## Sophomore Year

### Fall Semester

- ACCT 2110 Financial Accounting *3 semester hours*
- BADM 1030 Business Perspectives—Information Technology in Organizations *1 semester hour*
- BLAW 2210 Legal and Regulatory Environment *3 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- PSYC 1000 General Psychology *4 semester hours*
- University Core *3-4 semester hours*

### Spring Semester

- ACCT 2120 Accounting Information for Decision Making *3 semester hours*
- AIMS 2710 Management Information Systems *3 semester hours*
- BADM 1040 Business Perspectives—Globalization *1 semester hour*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

## Junior Year

### Fall Semester

- AIMS 3710 Database Management Systems *3 semester hours*
- AIMS 3730 Programming for Business Applications *3 semester hours*
- INBA 3810 International Business *3 semester hours*
- MRKT 3510 Principles of Marketing *3 semester hours*
- University Core *3-4 semester hours*

### Spring Semester

- AIMS 3770 Production Operations Analysis *3 semester hours*
- AIMS 37XX or 47XX Elective *3 semester hours*
- FNCE 3410 Fundamentals of Finance *3 semester hours*
- MGMT 3610 Managing People and Organizations *3 semester hours*
- University Core *3-4 semester hours*

## Senior Year

### Fall Semester

- AIMS 47XX Elective Programming Requirement *3 semester hours*
- BADM 4950 Business and Social Responsibility in the Global Economy *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *2 semester hours*

### Spring Semester

- AIMS 4797 Capstone Project *3 semester hours*
- BADM 4970 Strategic Management *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

## Applied Information Management Systems (AIMS), B.S.

### Objectives

The Bachelor of Business Administration (B.B.A.) degree in Applied Information Management Systems (AIMS) is designed to 1) prepare students for careers in the IT (information technology) field; 2) provide analytical and quantitative skills for careers in such areas as business analytics and consulting; 3) provide hands-on experience with cutting edge information technologies; and 4) teach critical skills to help students continuously adapt to the ever-changing field of information technology and their applications in business. Beginning in Fall 2013, students may also elect a Bachelor of Science (B.S) degree in AIMS, which will require four courses in the Department of Computer Science, in addition to satisfying all the requirements of the Bachelor of Business Administration in AIMS.

### Learning Outcomes

The Applied Information Management Systems major involves the application of computers to meet the information needs of organizations. It prepares students to use modern information technology to solve business problems at the operational, technical, and strategic levels. Learning outcomes for AIMS majors are as follows:

- Utilize competencies gained from hands-on experience in core information technologies including:
  - programming languages
  - database management systems
  - spreadsheets and other software used to analyze data
  - web development techniques and technologies
  - networking and telecommunications
- Apply critical thinking and problem-solving skills when analyzing business problems

- Identify problems, structure problems, propose an IT solution, and solve the problem
- Have the knowledge to plan, manage, develop, and implement information systems in business and organizational settings
- Learn how to effectively work in teams
- Effectively communicate complex technological concepts including
  - oral communications
  - written communications

## Major Requirements

### Lower Division Requirements:

- ACCT 2110 Financial Accounting *3 semester hours*
- ACCT 2120 Accounting Information for Decision Making *3 semester hours*
- AIMS 2710 Management Information Systems *3 semester hours*
- BADM 1010 Business Perspectives—Business Institutions *1 semester hour*
- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models *1 semester hour*
- BADM 1030 Business Perspectives—Information Technology in Organizations *1 semester hour*
- BADM 1040 Business Perspectives—Globalization *1 semester hour*
- BLAW 2210 Legal and Regulatory Environment *3 semester hours*
- ECON 1050 Introductory Economics *4 semester hours* or
- ECON 1100 Introductory Microeconomics *4 semester hours* and
- ECON 1200 Introductory Macroeconomics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Mathematical Analysis for Business II *3 semester hours*

### Upper Division Requirements:

- AIMS 3770 Production Operations Analysis *3 semester hours*
- BADM 4950 Business and Social Responsibility in the Global Economy *3 semester hours*
- BADM 4970 Strategic Management *3 semester hours*
- FNCE 3410 Fundamentals of Finance *3 semester hours*
- INBA 3810 International Business *3 semester hours*
- MGMT 3610 Managing People and Organizations *3 semester hours*
- MRKT 3510 Principles of Marketing *3 semester hours*

### Note:

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the B.S., Applied Information Management Systems major, degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

## Core, Major, and Elective Applied Information Management Systems Courses:

- AIMS 2710 Management Information Systems *3 semester hours*
- AIMS 3710 Database Management Systems *3 semester hours*
- AIMS 3720 Systems Analysis and Design *3 semester hours*
- AIMS 3770 Production Operations Analysis *3 semester hours*
- AIMS 3797 Internship *1 semester hour*
- AIMS 4720 Object-Oriented Programming *3 semester hours*
- AIMS 4730 Business Data Communications *3 semester hours*
- AIMS 4740 Financial Modeling for Decision Support *3 semester hours*
- AIMS 4750 Web-based Development *3 semester hours*
- AIMS 4760 Analytics and Business Intelligence *3 semester hours*
- AIMS 4770 Information Technology Security *3 semester hours*
- AIMS 4797 Capstone Project *3 semester hours*
- AIMS 4798 Special Studies *1 TO 3 semester hours*
- AIMS 4799 Independent Studies *1 TO 3 semester hours*

## Bachelor of Science (B.S.) in Applied Information Management Systems

Students electing the B.S. in AIMS degree must complete all the requirements of the Applied Information Management Systems (AIMS), B.B.A. degree. In addition, the B.S. in AIMS adds four Computer Science courses (12 semester hours), including CMSI 185 Computer Programming. CMSI 186 Programming Lab is also highly recommended, but not required.

A side-by-side comparison of the two degrees, B.B.A. vs. B.S., shows that students can complete the B.S. by taking 120 semester hours, the same as the B.B.A. degree. This is because CMSI 185 satisfies the Science and Technology requirement of the undergraduate core curriculum; in addition, students can use their free electives to satisfy the other three CMSI electives. For more information about the CMSI courses, please consult the Bulletin for course offerings in the Department of Computer Science.

### A Comparison of the Two Degrees

	B.B.A	B.S.	Note
University Core	48	45	(1)
Business Core	43	43	
Math Requirement	3	3	
AIMS major courses	15	15	

CMSI courses	0	12	(2)
Free elective	11	2	
Total	120	120	(3)

## Notes:

(1) B.S. majors take three fewer University Core semester hours because the Science and Technology requirement is fulfilled by CMSI 185 Computer Programming. B.B.A. majors also have the option to take CMSI 185 to fill the Science and Technology core requirement.

(2) B.S. majors must take 12 semester hours in the Department of Computer Science, College of Science and Engineering, including a programming language course.

(3) The B.S. degree requires 120 semester hours so that a B.S. student does not need to take any more courses than a regular B.B.A. student.

## Finance, B.B.A.

### Note

The undergraduate Finance curriculum was revised effective Fall 2017. If a student who matriculated before Fall 2017 takes FNCE 3410 instead of FNCE 3400, he or she will not be able to switch graduation requirements from the pre-revision requirements to the post-revision requirements. If a student who matriculated before Fall 2017 takes FNCE 3400, he or she will be able to switch to the new requirements. Students graduating after May, 2020, will be required to have completed the new requirements (unless, in special circumstances, permission has been granted by the Department Chair and Associate Dean).

## Objectives

The Bachelor of Business Administration degree—Finance (FNCE) major provides students with the necessary skills to succeed in their first finance job upon graduation from LMU. Students will develop applied financial modeling skills based in theory, contracts, and the current tools essential to corporate finance, banking, and investments.

## Learning Outcomes

Learning outcomes for Finance majors are as follows:

LMU Finance graduates:

1. Apply the principles and techniques of time value of money to value an investment
2. Explain the impact of a firm's capital structure on its risk and firm value
3. Construct rigorous financial models for decision making
4. Translate contracts, laws, annual reports, and other legal documents into financial models
5. Make sound investment decisions
6. Calculate and interpret investment performance measurements.

## Major Requirements

### Lower Division Requirements:

- ACCT 2110 Financial Accounting 3 semester hours

- ACCT 2120 Accounting Information for Decision Making 3 semester hours
- AIMS 2710 Management Information Systems 3 semester hours
- BADM 1010 Business Perspectives—Business Institutions 1 semester hour
- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models 1 semester hour
- BADM 1030 Business Perspectives—Information Technology in Organizations 1 semester hour
- BADM 1040 Business Perspectives—Globalization 1 semester hour
- BLAW 2210 Legal and Regulatory Environment 3 semester hours
- ECON 1050 Introductory Economics 4 semester hours or
- ECON 1100 Introductory Microeconomics 4 semester hours and
- ECON 1200 Introductory Macroeconomics 4 semester hours
- ECON 2300 Introductory Statistics 4 semester hours
- MATH 112 Mathematical Analysis for Business II 3 semester hours

### Upper Division Requirements:

- AIMS 3770 Production Operations Analysis 3 semester hours
- BADM 4950 Business and Social Responsibility in the Global Economy 3 semester hours
- BADM 4970 Strategic Management 3 semester hours
- FNCE 3400 Fundamentals of Corporate Finance 4 semester hours
- INBA 3810 International Business 3 semester hours
- MGMT 3610 Managing People and Organizations 3 semester hours
- MRKT 3510 Principles of Marketing 3 semester hours

### Notes:

Students are required to enroll in FNCE 1001 before or at the same time as they enroll in FNCE 3400. Students are encouraged to enroll in FNCE 1001 in the Fall of the sophomore year if possible. The course meets four times for two hours per meeting over the course of the semester, and students will receive Credit/No Credit upon completion of the course. A student must earn credit for FNCE 1001 in order to graduate. FNCE 1001 is a zero-semester-hour, zero-cost course.

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and math courses).

For purposes of meeting the requirements for the B.B.A., Finance major, a minimum grade of a C must be earned in FNCE 3400 and an overall cumulative grade point average of at least a C (2.0) must be obtained in Finance major courses (FNCE 3400, FNCE 3420, and FNCE 3477).

### Core, Major, and Elective Finance Courses:

- FNCE 1001 Planning for a Career in Finance 0 semester hours

- FNCE 3400 Fundamentals of Corporate Finance 4 semester hours
- FNCE 3420 Investments 4 semester hours
- FNCE 3430 Financial Policy 3 semester hours
- FNCE 3440 Mergers and Acquisitions 4 semester hours
- FNCE 3456 Entertainment Finance 4 semester hours
- FNCE 3477 Valuation and Financial Modeling 4 semester hours
- FNCE 3497 Internship 1 semester hour
- FNCE 4410 Entrepreneurial Finance 3 semester hours
- FNCE 4420 Real Estate Finance, Investment, and Entrepreneurship 4 semester hours
- FNCE 4430 Capital Markets 4 semester hours
- FNCE 4440 Financial Modeling for Decision Support 3 semester hours
- FNCE 4470 Multinationals and the Third World 3 semester hours
- FNCE 4480 International Finance 3 semester hours
- FNCE 4491 Student Investment Fund: Security Analysis 4 semester hours
- FNCE 4492 Student Investment Fund: Portfolio Management 4 semester hours
- FNCE 4493 Student Investment Fund: Investment Research Lab 2 semester hours
- FNCE 4498 Special Studies 1 TO 4 semester hours
- FNCE 4499 Independent Studies 1 TO 4 semester hours

#### Note

Students with a major in Finance are required to complete at least five courses in the finance area including the three required classes, Fundamentals of Corporate Finance (FNCE 3400), Investments (FNCE 3420), and Valuation and Financial Modeling (FNCE 3477). Two additional courses carrying a minimum of three semester hours each must be chosen from the list above.

To fulfill their open electives, students are encouraged to take additional finance courses; additional accounting courses, such as Intermediate Accounting I (ACCT 3110); additional economics courses, such as Money and Banking (ECON 3220) or Econometrics (ECON 3300); computer programming courses, such as Computer Programming (CMSI 185) or Computer Systems Organization (CMSI 284); or additional mathematics courses.

#### Student Investment Fund (SIF):

Students enrolled in the SIF are permitted to take FNCE 4491 and FNCE 4492 (required for the SIF specialty) in lieu of FNCE 3420. Students must apply in the Spring to be accepted into the SIF for the following academic year. A very limited number of students is accepted into the SIF program.

### Model 4-Year Plan—Bachelor of Business Administration—Finance Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Finance major) degree.

#### Freshman Year

##### Fall Semester

- BADM 1010 Business Perspectives—Business Institutions 1 semester hour
- ECON 1050 Introductory Economics 4 semester hours
- MATH 120 Precalculus Mathematics 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

##### Spring Semester

- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models 1 semester hour
- BADM 1040 Business Perspectives—Globalization 1 semester hour
- MATH 112 Mathematical Analysis for Business II 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-17 semester hours

#### Sophomore Year

##### Fall Semester

- FNCE 1001 Planning for a Career in Finance 0 semester hours
- ACCT 2110 Financial Accounting 3 semester hours
- BADM 1030 Business Perspectives—Information Technology in Organizations 1 semester hour
- BLAW 2210 Legal and Regulatory Environment 3 semester hours
- ECON 2300 Introductory Statistics 4 semester hours
- PSYC 1000 General Psychology 4 semester hours

Total: 15 semester hours

##### Spring Semester

- FNCE 3400 Fundamentals of Corporate Finance 4 semester hours
- ACCT 2120 Accounting Information for Decision Making 3 semester hours
- AIMS 2710 Management Information Systems 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-18 semester hours

#### Junior Year

##### Fall Semester

- FNCE 3477 Valuation and Financial Modeling 4 semester hours
- MGMT 3610 Managing People and Organizations 3 semester hours
- MRKT 3510 Principles of Marketing 3 semester hours

- University Core 3-4 semester hours

Total: 14-15 semester hours

### Spring Semester

- FNCE 3420 Investments 4 semester hours
- AIMS 3770 Production Operations Analysis 3 semester hours
- INBA 3810 International Business 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-18 semester hours

### Senior Year

#### Fall Semester

- BADM 4950 Business and Social Responsibility in the Global Economy 3 semester hours
- FNCE Elective 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-15 semester hours

#### Spring Semester

- BADM 4970 Strategic Management 3 semester hours
- FNCE Elective 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-15 semester hours

### Management

#### Faculty

Chairperson: Charles Vance

Professors: Ellen Ensher, Jeffrey Gale, Yongsun Paik, Charles Vance, Thomas White, Anatoly Zhuplev

Associate Professors: Dong Chen, David Choi, Patricia Garcia Martinez, Cathleen McGrath

Assistant Professors: Li Dai, Jason D'Mello, Yamlaksira Getachew, Angélica Gutiérrez, Sohvi Leih, Trevor Zink

### Entrepreneurship, B.B.A.

#### Objectives

The Bachelor of Business Administration—Entrepreneurship major at LMU will provide undergraduate students with the fundamental theories, critical thinking skills, and real-world awareness necessary to support their launch into careers as entrepreneurs (i.e., founders and leaders of new ventures) or intrapreneurs (i.e., change agents and managers within established, more traditional organizations).

#### Learning Outcomes

- Students should understand and appreciate the economic and societal importance of entrepreneurship.
- Students should be able to analyze and understand all aspects of a business, integrating concepts across multiple functional areas.

- Students should know how to generate business ideas, evaluate business feasibility, and assemble a comprehensive business plan.
- Students should be able to adopt the perspective and action orientation of a CEO/Founder.

### Major Requirements

#### Lower Division Requirements:

- ACCT 2110 Financial Accounting 3 semester hours
- ACCT 2120 Accounting Information for Decision Making 3 semester hours
- AIMS 2710 Management Information Systems 3 semester hours
- BADM 1010 Business Perspectives—Business Institutions 1 semester hour
- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models 1 semester hour
- BADM 1030 Business Perspectives—Information Technology in Organizations 1 semester hour
- BADM 1040 Business Perspectives—Globalization 1 semester hour
- BLAW 2210 Legal and Regulatory Environment 3 semester hours
- ECON 1050 Introductory Economics 4 semester hours or
- ECON 1100 Introductory Microeconomics 4 semester hours and
- ECON 1200 Introductory Macroeconomics 4 semester hours
- ECON 2300 Introductory Statistics 4 semester hours
- MATH 112 Mathematical Analysis for Business II 3 semester hours

#### Upper Division Requirements:

- AIMS 3770 Production Operations Analysis 3 semester hours
- BADM 4950 Business and Social Responsibility in the Global Economy 3 semester hours
- BADM 4970 Strategic Management 3 semester hours
- FNCE 3410 Fundamentals of Finance 3 semester hours
- INBA 3810 International Business 3 semester hours
- MGMT 3610 Managing People and Organizations 3 semester hours
- MRKT 3510 Principles of Marketing 3 semester hours

#### Note:

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the B.B.A., Entrepreneurship major, degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

#### Core, Major, and Elective Entrepreneurship Courses:

- ENTR 3310 Introduction to Entrepreneurship 3 semester hours
- ENTR 3330 Social Entrepreneurship 3 semester hours
- ENTR 3350 New Venture Creation 3 semester hours
- ENTR 3380 Small Business Management 3 semester hours
- ENTR 3397 Internship 1 semester hour
- ENTR 4310 Entrepreneurial Finance 3 semester hours (FNCE 4410)
- ENTR 4320 Real Estate Finance, Investment, and Entrepreneurship 3 semester hours (FNCE 4420)
- ENTR 4340 International Entrepreneurship 3 semester hours (INBA 4840)
- ENTR 4370 Product and Business Design 3 semester hours
- ENTR 4381 Managing New Ventures 3 semester hours
- ENTR 4398 Special Studies 1 TO 3 semester hours
- ENTR 4399 Independent Studies 1 TO 3 semester hours

All Entrepreneurship majors must complete the following required courses:

- ENTR 3310 Introduction to Entrepreneurship 3 semester hours
- ENTR 3350 New Venture Creation 3 semester hours
- ENTR 4310 Entrepreneurial Finance 3 semester hours or
- ENTR 4381 Managing New Ventures 3 semester hours

International Management/Entrepreneurship studies, select one:

- ENTR 4340 International Entrepreneurship 3 semester hours
- MGMT 4630 International Management 3 semester hours
- MGMT 4640 Cross-Cultural Leadership 3 semester hours
- MGMT 4672 Managing a Global Workforce 3 semester hours

#### Entrepreneurship Elective

Note:

A student who chooses ENTR 4310 as a required course can choose ENTR 4381 as his or her Entrepreneurship Elective; similarly, a student can choose ENTR 4381 as a required course and ENTR 4310 as an Entrepreneurship Elective.

### Model 4-Year Plan—Bachelor of Business Administration—Entrepreneurship Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Entrepreneurship major) degree.

#### Freshman Year

##### Fall Semester

- BADM 1010 Business Perspectives—Business Institutions 1 semester hour
- ECON 1050 Introductory Economics 4 semester hours
- MATH 120 Precalculus Mathematics 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

##### Spring Semester

- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models 1 semester hour
- MATH 112 Mathematical Analysis for Business II 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- ACCT 2110 Financial Accounting 3 semester hours
- BADM 1030 Business Perspectives—Information Technology in Organizations 1 semester hour
- BLAW 2210 Legal and Regulatory Environment 3 semester hours
- ECON 2300 Introductory Statistics 4 semester hours
- PSYC 1000 General Psychology 4 semester hours
- University Core 3-4 semester hours

Total: 18-19 semester hours

##### Spring Semester

- ACCT 2120 Accounting Information for Decision Making 3 semester hours
- AIMS 2710 Management Information Systems 3 semester hours
- BADM 1040 Business Perspectives—Globalization 1 semester hour
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-19 semester hours

#### Junior Year

##### Fall Semester

- ENTR 3310 Introduction to Entrepreneurship 3 semester hours
- INBA 3810 International Business 3 semester hours
- MGMT 3610 Managing People and Organizations 3 semester hours
- MRKT 3510 Principles of Marketing 3 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

### Spring Semester

- AIMS 3770 Production Operations Analysis *3 semester hours*
- ENTR 3350 New Venture Creation *3 semester hours*
- FNCE 3410 Fundamentals of Finance *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Senior Year

#### Fall Semester

- BADM 4950 Business and Social Responsibility in the Global Economy *3 semester hours*
- ENTR 4310 Entrepreneurial Finance *3 semester hours* or
- ENTR 4381 Managing New Ventures *3 semester hours*
- ENTR 4340 International Entrepreneurship *3 semester hours* or
- MGMT 4630 International Management *3 semester hours* or
- MGMT 4640 Cross-Cultural Leadership *3 semester hours* or
- MGMT 4672 Managing a Global Workforce *3 semester hours*
- University Core *3-4 semester hours*
- Elective *2 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- BADM 4970 Strategic Management *3 semester hours*
- ENTR Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-14 semester hours

### Management, B.B.A.

#### Objectives

Management involves planning, organizing, leading, and controlling the activities necessary to successfully run an organization. In studying management, the student will focus on the practical skills, ethical issues, and management theory necessary to succeed in our diverse global economy. The Management Department offers two types of courses: general knowledge courses and specialized courses. General knowledge courses are required of all business majors. Elective courses are chosen by majors who wish to gain specialized instruction in specific areas of management.

#### Learning Outcomes

The Bachelor of Business Administration—Management Major at LMU will provide undergraduate students with the fundamental theories, problem-solving tools, and current real-world information and actual learning experience necessary to support their entry and ongoing career success as ethical and socially responsible leaders, managers, and administrators in various kinds of organizations. All Management Major students will demonstrate acceptable understanding and skills in:

1. Interpersonal/team effectiveness
2. Communications
3. Key processes of planning/goal setting, decision making, problem solving
4. Critical HR functional areas
5. Career management.

Upon completion of requirements for this major,

- Students should understand and be able to explain and evaluate the critical role and functions of management in organizations and apply principal concepts and models in the field of management within an organization;
- Students should understand and be able to describe and explain how the human resource function in an organization contributes to overall productivity through its component activities;
- Students should understand and be able to apply concepts of career planning and management both generally and to their own career.

### Major Requirements

#### Lower Division Requirements:

- ACCT 2110 Financial Accounting *3 semester hours*
- ACCT 2120 Accounting Information for Decision Making *3 semester hours*
- AIMS 2710 Management Information Systems *3 semester hours*
- BADM 1010 Business Perspectives—Business Institutions *1 semester hour*
- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models *1 semester hour*
- BADM 1030 Business Perspectives—Information Technology in Organizations *1 semester hour*
- BADM 1040 Business Perspectives—Globalization *1 semester hour*
- BLAW 2210 Legal and Regulatory Environment *3 semester hours*
- ECON 1050 Introductory Economics *4 semester hours* or
- ECON 1100 Introductory Microeconomics *4 semester hours* and
- ECON 1200 Introductory Macroeconomics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Mathematical Analysis for Business II *3 semester hours*

#### Upper Division Requirements:

- AIMS 3770 Production Operations Analysis *3 semester hours*

- BADM 4950 Business and Social Responsibility in the Global Economy *3 semester hours*
- BADM 4970 Strategic Management *3 semester hours*
- FNCE 3410 Fundamentals of Finance *3 semester hours*
- INBA 3810 International Business *3 semester hours*
- MGMT 3610 Managing People and Organizations *3 semester hours*
- MRKT 3510 Principles of Marketing *3 semester hours*

**Note:**

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the B.B.A., Management major, degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

**Core, Major, and Elective Management Courses:**

- MGMT 3610 Managing People and Organizations *3 semester hours*
- MGMT 3620 Management Skills *3 semester hours*
- MGMT 3630 Social Network Analysis for Managers *3 semester hours*
- MGMT 3651 Building Global Career Competence *3 semester hours* (INBA 3851)
- MGMT 3670 Training and Development *3 semester hours*
- MGMT 3680 Mentoring and Management *3 semester hours*
- MGMT 3697 Internship *1 semester hour*
- MGMT 4610 Leadership *3 semester hours*
- MGMT 4620 Employment Law *3 semester hours*
- MGMT 4630 International Management *3 semester hours* (INBA 4830)
- MGMT 4640 Cross-Cultural Leadership *3 semester hours*
- MGMT 4650 Compensation and Rewards *3 semester hours*
- MGMT 4670 Human Resources Practicum *3 semester hours*
- MGMT 4671 Managing Career Success *3 semester hours*
- MGMT 4672 Managing a Global Workforce *3 semester hours* (INBA 4872)
- MGMT 4680 Employee Relations and Retention *3 semester hours*
- MGMT 4690 Strategic Human Resource Management *3 semester hours*
- MGMT 4698 Special Studies *1 TO 3 semester hours*
- MGMT 4699 Independent Studies *1 TO 3 semester hours*

**Completion of Management Major**

To complete the Management Major, students will complete all LMU and CBA core requirements, plus the required MGMT 3620 Management Skills course, one international management elective, and 3 advanced three-semester-hour management elective courses (5 courses overall). To fulfill the international elective requirement, students may choose from MGMT 4630 International Management, MGMT 4640 Cross-Cultural Leadership, MGMT 4672 Managing a Global Workforce, MGMT 3651 Building Global Career

Competence, or INBA 4840 International Entrepreneurship. Students interested in building a special focus in international management should consider these international courses or any other international (INBA) advanced electives when selecting their required three advanced elective courses. Students interested in building a special focus in human resource management (HRM) should consider the following when selecting their required three advanced elective courses:

- MGMT 3670 Training and Development
- MGMT 3680 Mentoring and Management
- MGMT 4620 Employment Law
- MGMT 4650 Compensation and Rewards
- MGMT 4670 Human Resources Practicum
- MGMT 4680 Employee Relations and Retention
- MGMT 4690 Strategic Human Resource Management

**Model 4-Year Plan—Bachelor of Business Administration—Management Major Curriculum**

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Management major) degree.

**Freshman Year**

**Fall Semester**

- BADM 1010 Business Perspectives—Business Institutions *1 semester hour*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

**Spring Semester**

- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models *1 semester hour*
- MATH 112 Mathematical Analysis for Business II *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

**Sophomore Year**

**Fall Semester**

- ACCT 2110 Financial Accounting *3 semester hours*
- BADM 1030 Business Perspectives—Information Technology in Organizations *1 semester hour*
- BLAW 2210 Legal and Regulatory Environment *3 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- PSYC 1000 General Psychology *4 semester hours*
- University Core *3-4 semester hours*

Total: 18-19 semester hours

### Spring Semester

- ACCT 2120 Accounting Information for Decision Making 3 semester hours
- AIMS 2710 Management Information Systems 3 semester hours
- BADM 1040 Business Perspectives—Globalization 1 semester hour
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-19 semester hours

### Junior Year

#### Fall Semester

- FNCE 3410 Fundamentals of Finance 3 semester hours
- INBA 3810 International Business 3 semester hours
- MGMT 3610 Managing People and Organizations 3 semester hours
- MRKT 3510 Principles of Marketing 3 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

#### Spring Semester

- AIMS 3770 Production Operations Analysis 3 semester hours
- MGMT 3620 Management Skills 3 semester hours
- MGMT Elective 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

### Senior Year

#### Fall Semester

- BADM 4950 Business and Social Responsibility in the Global Economy 3 semester hours
- MGMT International 3 semester hours
- MGMT Elective 3 semester hours
- University Core 3-4 semester hours
- Elective 2 semester hours

Total: 14-15 semester hours

#### Spring Semester

- BADM 4970 Strategic Management 3 semester hours
- MGMT Elective 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-14 semester hours

## International Business Concentration

To earn a Concentration in International Business, a CBA student must take three advanced International Business courses (9 semester hours) beyond the core and the courses taken to meet the requirements for his or her major. No double counting is permitted.

These three courses are:

- INBA 4830 International Management 3 semester hours
- INBA 4880 International Finance 3 semester hours
- MRKT 4597 Marketing Strategy in the Global Environment 3 semester hours

If one or more of the above required courses has been taken as a part of the student's major

The following courses may be substituted to fulfill the requirements of the concentration:

- INBA 4840 International Entrepreneurship 3 semester hours
- INBA 4850 International Business Law 3 semester hours
- INBA 4870 Multinationals and the Third World 3 semester hours
- INBA 4872 Managing a Global Workforce 3 semester hours
- INBA 4898 Special Studies 1 TO 3 semester hours

### Note:

The student must, during his or her LMU program, have participated in an LMU-sponsored or an LMU-approved Study Abroad Program.

It is further recommended, though not a concentration requirement, that the student take sufficient courses to gain proficiency in a second language in addition to English.

## Marketing and Business Law

### Faculty

Chairperson: Andrew Rohm

Professors: Arthur Gross-Schaefer, Andrew Rohm, Gary P. Sibeck, David W. Stewart (President's Professor of Marketing and Law), Sijun Wang, Robert D. Winsor

Associate Professors: Mark Bandsuch, S.J., Myla Bui-Nguyen, Velitchka D. Kaltcheva, Ralph L. Quiñones

Assistant Professors: Mitchell Hamilton, Aidin Namin, Julian Saint Clair

Clinical Professor: Matt Stefl

### Marketing, B.B.A.

### Objectives

The Bachelor of Business Administration—Marketing major focuses on activities that facilitate the creation of value and exchange between individuals and organizations. It prepares students for careers in marketing research and analytics, advertising and promotions, brand planning and management, marketing and product management, global marketing, retailing, and sales management—all of which can serve as exciting career paths leading to leadership positions in all types of organizations and industries.

## Learning Outcomes

- Students should know the core concepts of creating customer value and marketing mix development within the broader frameworks of business, society, and culture.
- Students should understand the environmental, psychological, sociological, and cultural factors impacting businesses and consumers in making buying decisions and the development of the marketing mix.
- Students should understand the impact that ethical and legal forces have on customers' (both business customers and end-consumers) decision making and marketing mix development.
- Students should acquire analytical and critical thinking skills, both qualitative and quantitative, for addressing challenges and optimizing the decision processes for businesses and consumers.
- Students should develop effective oral and written communication skills.
- Students should learn to collaborate and work effectively in teams.
- Students should develop confidence in applying their creativity to addressing business and organizational opportunities and challenges.

## Major Requirements

### Lower Division Requirements:

- ACCT 2110 Financial Accounting *3 semester hours*
- ACCT 2120 Accounting Information for Decision Making *3 semester hours*
- AIMS 2710 Management Information Systems *3 semester hours*
- BADM 1010 Business Perspectives—Business Institutions *1 semester hour*
- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models *1 semester hour*
- BADM 1030 Business Perspectives—Information Technology in Organizations *1 semester hour*
- BADM 1040 Business Perspectives—Globalization *1 semester hour*
- BLAW 2210 Legal and Regulatory Environment *3 semester hours*
- ECON 1050 Introductory Economics *4 semester hours* or
- ECON 1100 Introductory Microeconomics *4 semester hours* and
- ECON 1200 Introductory Macroeconomics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Mathematical Analysis for Business II *3 semester hours*

### Upper Division Requirements:

- AIMS 3770 Production Operations Analysis *3 semester hours*

- BADM 4950 Business and Social Responsibility in the Global Economy *3 semester hours*
- BADM 4970 Strategic Management *3 semester hours*
- FNCE 3410 Fundamentals of Finance *3 semester hours*
- INBA 3810 International Business *3 semester hours*
- MGMT 3610 Managing People and Organizations *3 semester hours*
- MRKT 3510 Principles of Marketing *3 semester hours*

### Note:

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the B.B.A., Marketing major, degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

### Core, Major, and Elective Marketing Courses:

- MRKT 3510 Principles of Marketing *3 semester hours*
- MRKT 3520 Marketing Analysis *3 semester hours*
- MRKT 3521 The New World of Branding and Advertising *3 semester hours* (M-School course)
- MRKT 3530 Buyer Behavior *3 semester hours*
- MRKT 3531 Brand Planning and Strategy *3 semester hours* (M-School course)
- MRKT 3570 Marketing Law *3 semester hours*
- MRKT 3597 Internship *1 semester hour*
- MRKT 4510 Advertising and Promotion Management *3 semester hours*
- MRKT 4511 Cross-Platform Content Creation *3 semester hours* (M-School course)
- MRKT 4515 Managing Retail and Service Businesses *3 semester hours*
- MRKT 4521 Adaptive Media and Analytics *3 semester hours* (M-School course)
- MRKT 4525 Competitive Strategy *3 semester hours*
- MRKT 4530 Sports Marketing *3 semester hours*
- MRKT 4531 Creative Brand Management *3 semester hours* (M-School course)
- MRKT 4540 Professional Selling *3 semester hours*
- MRKT 4545 New Product Development *3 semester hours*
- MRKT 4550 Brand Management *3 semester hours*
- MRKT 4555 Business-to-Business Marketing *3 semester hours*
- MRKT 4560 Supply Chain Management and Logistics *3 semester hours*
- MRKT 4570 Pricing Goods and Services *3 semester hours*
- MRKT 4580 Marketing and Society *3 semester hours*
- MRKT 4597 Marketing Strategy in the Global Environment *3 semester hours*
- MRKT 4598 Special Studies *1 TO 3 semester hours*
- MRKT 4599 Independent Studies *1 TO 3 semester hours*

### Note:

Students in the Marketing major begin by completing the foundational marketing course, MRKT 3510 Principles of Marketing, which is a required core business class for all business and accounting majors. Students must then complete two further foundational courses, consisting of MRKT 3520 Marketing Analysis and MRKT 3530 Buyer Behavior. After this point, students will be required to complete three advanced marketing elective courses of their choice. Students will be permitted to enroll in the elective marketing courses after completing the foundational courses (MRKT 3510, MRKT 3520, MRKT 3530).

Alternatively, after completing MRKT 3510, Marketing students can apply for admittance into the M-School program at the end of their Sophomore year. Admittance is competitive and not guaranteed; however, if accepted into the M-School, students are required to complete the five M-School specific classes in order to meet the requirements of the Marketing major. Currently these classes are: MRKT 3521 The New World of Branding and Advertising (in lieu of MRKT 3520), MRKT 3531 Brand Planning and Strategy (in lieu of MRKT 3530), MRKT 4511 Cross-Platform Content Creation, MRKT 4521 Adaptive Media and Analytics, and MRKT 4531 Creative Brand Management.

## Model 4-Year Plan—Bachelor of Business Administration—Marketing Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Marketing major) degree.

### Freshman Year

#### Fall Semester

- BADM 1010 Business Perspectives—Business Institutions *1 semester hour*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- BADM 1020 Business Perspectives—Introduction to Ethical Decision Models *1 semester hour*
- MATH 112 Mathematical Analysis for Business II *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- ACCT 2110 Financial Accounting *3 semester hours*
- BADM 1030 Business Perspectives—Information Technology in Organizations *1 semester hour*
- BLAW 2210 Legal and Regulatory Environment *3 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*

- PSYC 1000 General Psychology *4 semester hours*
- University Core *3-4 semester hours*

Total: 18-19 semester hours

#### Spring Semester

- ACCT 2120 Accounting Information for Decision Making *3 semester hours*
- AIMS 2710 Management Information Systems *3 semester hours*
- BADM 1040 Business Perspectives—Globalization *1 semester hour*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-19 semester hours

### Junior Year

#### Fall Semester

- FNCE 3410 Fundamentals of Finance *3 semester hours*
- INBA 3810 International Business *3 semester hours*
- MGMT 3610 Managing People and Organizations *3 semester hours*
- MRKT 3510 Principles of Marketing *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

#### Spring Semester

- AIMS 3770 Production Operations Analysis *3 semester hours*
- MRKT 3520 Marketing Analysis *3 semester hours*
- MRKT 3530 Buyer Behavior *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Senior Year

#### Fall Semester

- BADM 4950 Business and Social Responsibility in the Global Economy *3 semester hours*
- MRKT Elective *3 semester hours*
- MRKT Elective *3 semester hours*
- Elective *3-4 semester hours*
- Elective *2 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- BADM 4970 Strategic Management *3 semester hours*
- MRKT Elective *3 semester hours*
- University Core *3-4 semester hours*

- Elective 3-4 semester hours

Total: 12-14 semester hours

## Business Law Concentration

To earn a concentration in Business Law, students are required to complete nine semester hours of advanced Business Law classes. No double counting will be allowed.

## MBA Program

### Associate Dean and Interim Director of the MBA Program

William Semos

### Contact Information

**Office Location:** Conrad N. Hilton Center for Business, Room 233

**Telephone:** 310.338.2848

**Fax:** 310.338.2899

### Introduction

The College of Business Administration offers the MBA degree designed for working professionals. There are six areas of emphasis/specialization in the MBA Program. The purpose, admission requirements, program requirements, and options are described in the pages that follow. The part-time MBA program (MBA) serves the educational requirements of working professionals who recognize the need to continue to build their careers. The Executive MBA (EMBA) is designed for the experienced business professional who aspires to executive-level responsibility.

In addition, two dual degree programs are available. Students may apply for separate admission to the Loyola Law School and earn the JD/MBA degree or apply to the Systems Engineering Leadership Program (SELP) and earn an MBA and an MS in Systems Engineering.

### Mission Statement

The mission of the Loyola Marymount University MBA Program is to provide high quality graduate business education consistent with the Jesuit and Marymount traditions. The MBA Program fosters development of each student's potential to create value, handle risk, and manage change to serve both business and society. The result is the development of ethical leaders possessing the knowledge and skills to effectively manage organizations in a diverse and global economy.

To accomplish its mission, the MBA Program utilizes faculty who regularly extend the boundaries of their discipline and simultaneously demonstrate in the classroom their ability to translate theory into practice. Although teaching styles and techniques vary, all focus on the current issues and technologies that are forming and shaping the many environments of business (political, social, legal, and ethical). Classes range from those that emphasize computer applications to those that delve into ethical concepts and humanistic management. The MBA curriculum is one of breadth first and specialization second. To that end, the basis of the Program is broad and integrating. Areas of specialization are built on this base. By specializing, students are able to focus some of their studies in a single area of emphasis. Additionally, numerous opportunities exist to explore various aspects of global business. These include a full-fledged International MBA Program of studies and a unique overseas integrative experience. The high quality of the MBA Program is confirmed through its accreditation by the Association to Advance Collegiate Schools of Business.

### Admission Requirements

1. **Eligibility for Admission:** Applicants for admission to the Program leading to the degree of Master of Business Administration must have a Bachelor's degree and an acceptable level of scholarship from a regionally accredited institution of higher learning. The degree may be in any academic discipline.
2. **Application:** Applicants should apply and pay the application fee online at <http://constituency.lmu.edu/graduate/Pages/Welcome.aspx>.
3. **Transcripts:** Two copies of sealed official transcripts must be sent to the Graduate Admissions Office. Transcripts from all institutions attended must be provided. All such transcripts become the property of Loyola Marymount University. All applicants with degrees earned outside the United States must have transcripts evaluated for equivalencies to U.S. degrees.
4. **Graduate Management Admissions Test:** All applicants must take the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE). GMAT/GRE scores taken within 5 years are accepted.
5. **International Students:** All international students must demonstrate proficiency in the English language with one of the following: TOEFL or IELTS scores or undergraduate/graduate degree from U.S. institutions.
6. **Application Evaluations:** The MBA Office evaluates the potential candidacy of each applicant. Applications are evaluated only after the following components are received by the Graduate Admissions Office:
  - a. Application form and personal statement (plus appropriate fees)
  - b. Official transcripts for all previous collegiate work
  - c. GMAT or GRE results
  - d. TOEFL, PTEA, or IELTS (when applicable)
  - e. Two letters of recommendation
  - f. A current resume
  - g. Two years work experience.
7. **Entrance:** Students may enter the program in the Fall only.
8. **Attendance:** Attendance in MBA classes is limited to individuals who have been admitted to the MBA Program and who are registered for the class.

### Proficiency Prerequisites

All students admitted to the MBA Program must be proficient in spoken and written English composition, business mathematics, and computer applications. Successful completion of a college-level course in business math or intermediate algebra is required.

Successful completion of the Harvard Business Quantitative Methods online course is required before commencement of Fall term. (Price included in tuition fee).

Working knowledge of Microsoft Excel required.

### Attendance and Residence

Students are expected to be continuously enrolled in the MBA Program. A Leave of Absence (LOA) may be granted for up to one year at the discretion of the MBA Program Director and the Office of the Registrar. If a student needs to request a Leave of Absence, the student must contact the MBA Office to initiate the process. Individuals who remain on leave for more than two years must formally reapply for admission. Readmission is based on the admission criteria and the curriculum that are in effect at the time of the resumption of classes.

## **Student Registration, Counseling, and CAPP Report**

Registration must be completed each semester during the dates specified in the LMU Academic Calendar provided by the Office of the Registrar.

Newly-admitted students will receive course registration assistance during their Pre-Program Residential Program prior to the classes starting. In subsequent semesters, students are not required to obtain course approval for registration, unless on academic probation. Each student takes responsibility for following the curriculum plan outlined by the MBA Program exclusively. Enrolling in non-LMU MBA courses may result in credits not applying towards the MBA degree.

Students are encouraged to meet informally with faculty in their areas of interest for general and career guidance.

### **CAPP Report**

The Office of the Registrar uses CAPP to certify students for graduation, and all areas in CAPP must show MET before the student may graduate. A student should review his or her CAPP regularly to make sure that courses are listed in the correct areas. CAPP may be adjusted by the student to allow for course substitutions, waived requirements, or any other variance in the program of study. These adjustments are made through the MBA Office.

## **MBA Program Policies**

### **Responsibility and Academic Standing**

A student is responsible for knowing academic and administrative policies and regulations affecting their program of study and for abiding by all such policies and regulations during their period of enrollment at the University. Continued enrollment is subject to compliance with the academic and administrative policies and regulations. Failure to understand the policies and regulations does not relieve a student of her or his responsibility for adhering to the policies and regulations.

A student must maintain in each semester the stated minimum cumulative grade point average for each of the requirements in the degree program. The calculation of standing is based on all courses taken at LMU. Graduates must maintain a B average (3.0) in term, major, program, and cumulative GPA. The calculation is based upon courses taken in Fall, Spring, and Summer terms.

### **Academic Probation and Disqualification**

Academic probation constitutes a serious warning to students that their academic performance is unsatisfactory and continued failure to improve this record may result in being disqualified from the University. Additionally, a student who does not make satisfactory progress in the course of study is subject to probation. Further, the Dean or Director may impose restrictions on students on probation regarding the program of study and their participation in scholarship or extracurricular activities at LMU.

#### **Conditions for Academic Probation**

Any MBA student who, in any semester, fails to earn a "B" (3.0) average or whose cumulative grade point average in the MBA Program falls below a "B" (3.0) will be placed on academic probation. Students on academic probation will be ineligible for scholarships and tuition remission.

#### **Conditions for Disqualification**

MBA program disqualification is based upon two consecutive semesters (Fall, Spring, or Summer) in which work of less than grade of B (3.0) average is earned or in which the student fails to meet conditions imposed by the Dean or other academic entity. Summer sessions are used to calculate if a graduate student is subject to disqualification.

A student can receive no more than two grades below a B- throughout their Program. Should the student earn a third grade below B-, the student will be given one opportunity to retake that course the following semester (provided the student does not also have two semesters on probation). The student may not enroll in other courses concurrently with the repeated course. If the student does not earn at least a B- or better when retaking the course, the student will be disqualified.

Disqualification terminates a student's relationship with the University. A disqualified student may not register in any division or session of the University, and is denied all privileges of the University, including all organizations or activities in any way connected to the University.

### **Academic Dishonesty**

The MBA Program abides by the LMU Honor Code in matters of academic honesty. Please refer to the Academic Degree Requirements and Policies section of the University Bulletin for more information.

### **Change of Program or Emphasis/Specialization**

A student who wishes to change a program before completing a degree must submit a new application form to the Graduate Admission Office.

A student who wishes to transfer from one emphasis/specialization to another before completing a degree must request an approval from the MBA Office.

### **Course Loads**

The first year of the program students will study as a cohort, taking 12 or 13 semester hours in the Fall and Spring terms. During the time-compressed Summer sessions, the recommended load is 3 semester hours, but in any case no more than 6 semester hours. Any term thereafter, students are allowed to take six semester hours if part-time and 12 semester hours if full-time student. To complete the program in the suggested 24-month timeframe, students must be enrolled in both Summer sessions.

### **Cross-Listed Courses**

A cross-listed course is one that carries credit in more than one department or program. Students may not enroll in more than one section of a cross-listed course and may receive credit in one department only.

### **Repeating Courses**

Students may repeat a course previously taken at LMU in a subsequent term one time only, including any withdrawals; the prior occurrence is excluded from the cumulative grade point average but remains on the transcript. Please note that although the GPA for that term will change accordingly, the academic status of the previous term will not change.

A student who earns an F in a course or receives a third grade below a B- will be required to repeat that course. The student will only be allowed to enroll in the repeated course and will not be allowed to take additional courses in that semester. Students must earn a B or higher in the repeated course.

A student who receives an F in course must repeat that course before taking additional courses.

### **Grade Appeals**

Please refer to the Academic Degree Requirements and Policies section of the University Bulletin for more information.

### **Incomplete Grades**

"I" (Incomplete) indicates that the student has not completed the work for a given course. The student must remove the "I" in order to qualify for graduation. Students who wish to retake the course must pay regular tuition for the repeated course.

When a professor has granted an "I," it is the student's responsibility to arrange a deferred grade. The professor submits a "Deferred Grade Form" with the final grade to the Office of the Registrar.

Any graduate student who in a given term receives a grade of I (Incomplete) for a course and who subsequently completes the course will receive a grade that is retroactive to the term when the student first registered for the course with all the impact it entails on the student's academic standing.

### **Independent Study**

Independent Studies classes must be sponsored by a full-time faculty member and approved by the Associate Dean. Independent Studies can only be invoked once during a student's MBA program.

There are time constraints associated with an Independent Studies course. The approval process for Independent Studies must be completed during the semester prior to the semester during which the student expects to enroll in the Independent Studies course.

All questions about Independent Studies should be directed to the Faculty Advisor. The Faculty Advisor is the arbiter of the process facilitating Independent Studies.

### **Academic Advising**

An Academic Advisor is available for all MBA students to assist in navigating through the Program curriculum.

Advising is optional, unless a student is on academic probation, in which case the student must be advised prior to registration. MBA Advisor Holds will be placed on the student's record and not removed until the student has been advised.

## **Jesuit Network**

### **Jesuit Transfer Network**

Students from schools that are parties to the Multilateral Agreement may complete their degree requirements at another Agreement School, subject to the admission standards of the receiving school. Other conditions may apply as well.

Only full-time law students and those applying to the full-time division of the Law School may apply for admission into the JD/MBA Program.

The JD/MBA Program is designed for the full-time student who wishes to combine his/her graduate studies in law and business administration. It requires an intensive full-time commitment and superior capability to handle the academic rigors of two equally intensive graduate programs.

All students enrolled in the JD/MBA Program are required to comply with the requirements of both the Law School and MBA Program. Please refer to the Loyola Law School Student Handbook and this University Bulletin for clarification on policies governing graduate students.

### **JD/MBA Admissions**

Applicants to the JD/MBA Program must first apply and be accepted separately to both the Law School and the MBA Program. Applicants must successfully complete the first year of Law School before they are eligible to apply to the JD/MBA Program. Acceptance to both schools does not guarantee admission to the JD/MBA Program.

Applicants to the JD/MBA Program are due in the Law School Admissions Office by the first of July at the conclusion of the applicant's first year at the Law School.

### **Course of Study**

Students enrolled in the JD/MBA Program plan a specific course of study with the MBA Program and the Loyola Law School.

LMU MBA students who have completed more than half of their degree requirements may take courses that apply towards their LMU degree requirements at another Jesuit-affiliated school and still receive their degree from LMU, assuming that they take the courses approved by the LMU MBA Program and earn at least a B in each course.

Those students who have completed less than half of their degree requirements at LMU may transfer to another Jesuit-affiliated school, assuming they meet the receiving school's admission standards, and receive credit for some or all LMU coursework to apply towards the degree requirements at the receiving school. The receiving school determines the transfer credits they will accept.

LMU will only accept courses towards the degree with grades of B or better.

A student who transfers to LMU from another Jesuit MBA program is required to maintain the standards of graduate students at LMU and is governed by the guidelines established within the University Bulletin. For more information about the Jesuit Transfer Network, visit <http://jesuitmba.org/>.

Students who transfer in from other Jesuit MBA Programs but will be receiving their degree from their original school are considered Visiting Students (non-degree).

All participating institutions have the right to deny individual applicants. Each institution will employ the right to enforce its own university standards.

LMU prefers Jesuit MBA Network transfers for the Fall term but will consider alternatives.

### **International Study Classes**

Students may take no more than one (1) MBA international study summer program class offered by another Jesuit institution.

### **J.D./M.B.A. Dual Degree Program: Doctor of Jurisprudence and Master of Business Administration Degrees**

#### **Business Administration, M.B.A.**

#### **MBA Degree Program**

To qualify for the Master of Business Administration degree, the admitted student must satisfy the requirements of 17 courses. MBA course descriptions and prerequisites are listed in the University Bulletin. Course syllabi are available on the MBA Student Intranet page.

### **MBA Course Categories**

Five broad divisions of courses exist in the MBA Program: Residentials, Workshops, the core, emphasis (or concentration) courses, and the international experience. Total semester hours requirement is 57 semester hours.

The completion of the program includes:

- 2 Residentials
- 11 Core Classes
- 7 Workshops
- 4 Emphasis (concentration) courses
- 1 International Experience

### **Core Curriculum**

The core curriculum consists of two Residential Orientation weekends held before classes commence and 7 workshops held

throughout the first two years. In addition, 11 specific courses that comprise the common body of knowledge of business administration as defined by the Association to Advance Collegiate Schools of Business (AACSB International).

Core courses are prefixed MBAW for the Residential Orientation and workshops and MBAA 6010-6200 represent the core curriculum mostly taken as a cohort.

Core courses are described in the next section. They include the following:

- MBAA 6010 Managing People and Organizations 3 semester hours
- MBAA 6020 Financial and Managerial Accounting 3 semester hours
- MBAA 6030 Global Economic Structures and Systems 1.5 semester hours
- MBAA 6040 Managing Markets and Customer Relationships 3 semester hours
- MBAA 6050 Managing Operations 1.5 semester hours
- MBAA 6060 Strategic Management 3 semester hours
- MBAA 6070 Managing Financial Resources 3 semester hours
- MBAA 6080 Data, Models, and Decisions 3 semester hours
- MBAA 6090 Managing Information Systems 3 semester hours
- MBAA 6100 Managing International Business 3 semester hours
- Business and Society Requirement 3 semester hours

### Business and Society Requirement

Please select one of the following courses:

- MBAA 601 The Legal and Ethical Environment of Business 3 semester hours
- MBAB 650 Environmental Strategy 3 semester hours
- MBAB 651 Ethical Issues in Business 3 semester hours
- MBAH 650 Social Entrepreneurship 3 semester hours

### Note:

Several topics which are vital to the common body of knowledge in business are not directly referenced in the titles of the 11 core courses. These topics include the following: business ethics, social influences, political influences, computer applications, organizational theory, interpersonal communications, integrating analysis, and the international dimension of business. Because of their critical nature for emerging business leaders, many of these topics are included as major elements within each core course.

### Area of Emphasis/Specialization

Depth in a specialized field of knowledge is obtained by the selection of four courses within one of six designated areas of emphasis. For example, a student who plans on selecting MBAF: Finance as their area of emphasis/specialization, must take 4 MBAF advanced courses to fulfill the area of emphasis/specialization requirement. These specializations and their course designator prefixes are listed below:

MBAC: Marketing

MBAD: Information Technology

MBAE: Human Resources and Organizational Behavior

MBAF: Finance

MBAG: International

MBAH: Entrepreneurship

### International Experience

The international experience is designed to draw together the knowledge gained in the MBA program into a combined focus. Two options are available:

**Option One:** Comparative Management Systems (CMS), MBAI 690 and MBAI 691

This integrative course requires prep activities in the Fall and Spring semesters prior to the three-week travel taken in the first Summer Session. Prior to departure, students participate in a corequisite advanced elective course, MBAI 690 International Regional Strategies: Cultural and Industrial, during which they perform area studies of the nations to be visited and participate in seminars conducted by area and industry specialists. The industries visited are held constant for each annual CMS Program. Students are grouped by business functional areas and meet with executives from those areas in each firm visited. Group papers and presentations comprise final outputs for the course.

**Option Two:** Bonn Program, "The European Union," MBAG 676 and 1 free elective

The program is designed so students can experience an in-depth immersion into the EU, beginning with establishing a baseline historical perspective of the ideas and events that led to its creation. Included are visits to major companies to examine their practices as they compete in EU and global marketplaces. Field trips to EU headquarters in Brussels and to the headquarters of the European Central Bank in Frankfurt to examine how policy makers at both the EU and the European Monetary Union (countries with the Euro) are influenced not only by economic and political factors but also in many ways by historical events and cultural traditions deeply imbedded in each EU member state. Each year the program is adapted to include the current critical issues facing the EU and the Eurozone.

### Dual-Degree Programs

For information on the MBA dual-degree programs offered by LMU, please see:

- J.D./M.B.A. Dual Degree Program: Doctor of Jurisprudence and Master of Business Administration Degrees or
- M.B.A./M.S. Dual Degree: Systems Engineering Leadership Program.

### Executive MBA

Director of the Executive MBA Program: Richard M. Stafford

### Contact Information

**Office Location:** Conrad N. Hilton Center for Business; Center for Executive Learning

**Telephone:** 877.LMU.8585 (877.568.8585)

**Fax:** 310.338.1890

**E-mail:** [emba@lmu.edu](mailto:emba@lmu.edu)

**Website:** <http://emba.lmu.edu>

### Introduction

The LMU EMBA is designed for accomplished working professionals to build the core business competencies and insights required for executive leadership. The 20-month program offers:

- First rate faculty comprised of academic and industry leaders

- Rigorous curriculum that melds the latest research and industry best practices
- Small, collaborative class with successful, highly motivated peers
- Saturday-only classes that minimize work conflicts
- Professional and career development fully supported by executive coaching
- Conveniently-located campus in the heart of "Silicon Beach"
- Unique OnBoarding Program that prepares you to go back to school and get the most out of your EMBA.

The program begins in August year one and ends in May year two.

### Application Process

The Executive MBA program requires a Bachelor's degree with an acceptable level of scholarship from an accredited institution of higher learning and eight or more years of increasing responsibility in professional, management, or entrepreneurial positions.

Admission to the Executive MBA program is individualized and based on a candidate's potential to pursue graduate study. Each candidate is evaluated on the cumulative evidence received including, but not limited to, work and management experience, career accomplishments, potential for advancement, letters of recommendation, personal interview, information provided in the application form, undergraduate and graduate (if any) record, and GMAT (if required). Admission is based without regard to race, creed, color, gender, sexual orientation, national origin, age, or disability.

### How to Apply

Application deadline is July 8. Applications received after the deadline will be considered if spaces are available.

- **Schedule your personal interview**  
Candidates for the Executive MBA must have an interview with a member of the admissions committee. If you are considering candidacy, you are encouraged to interview early in the admissions process to assess the fit between the program and your experience, expectations, and personal development needs, and to determine if you are required to take the Graduate Management Admission Test (GMAT).
- **Complete the online application for admission:**  
[https://mylmu.co1.qualtrics.com/jfe/form/SV\\_0q7rlsGuLK8mt4V](https://mylmu.co1.qualtrics.com/jfe/form/SV_0q7rlsGuLK8mt4V).
- **Include a \$100 application fee (non-refundable)**  
Your check should be made out to Loyola Marymount University. If a check is written for you by someone else, please make sure your name appears on it. You may also pay online at [https://lmutpg.lmu.edu/C20995\\_ustores/web/product\\_detail.jsp?PRODUCTID=451&SINGLESTORE=true](https://lmutpg.lmu.edu/C20995_ustores/web/product_detail.jsp?PRODUCTID=451&SINGLESTORE=true). *Application fee is waived for active duty military members and veterans.*
- **Send for official transcripts from all colleges and universities attended**  
Official records must be sent directly from the registrar of the issuing institution to EMBA Admissions. Transcripts submitted will not be returned, nor will copies be forwarded by LMU to other institutions.
- **Request two letters of recommendation**  
You should request these from persons with whom you have closely worked and who can evaluate your abilities, accomplishments, and potential. Where applicable, one letter should come from your supervisor. Here is the link to the letters of recommendation:

<http://emba.lmu.edu/media/lmucollegeofbusinessadministration/responsivesite/emba/EMBA%20Letter%20of%20Recommendation.pdf>.

- **Provide the official score of your Graduate Management Admission Test (GMAT), if required**  
The Graduate Management Admission Test (GMAT) is required only if your prior academic work and professional experience does not show clear evidence of strong quantitative and analytical reasoning skills. A determination that the GMAT is required will be made after your personal interview and application screening. If the GMAT is required, your results should be sent to EMBA Admissions (ETS code 4403). The GMAT is a computer-adaptive test (CAT) that is available year-round at test centers throughout the world. Visit the MBA Explorer<sup>®</sup> website at <http://www.mbaexplorer.com> for quick answers to most of your questions and the latest GMAT information. If you have additional questions, contact an Educational Testing Service customer service representative at 609.921.9000. Telephone lines are open Monday through Friday, 8:00 a.m. to 8:00 p.m., EST.
- **Review and Notification**  
A formal notice will be sent to each candidate after the application and complete records are received, the interview conducted, and the admission committee has made its recommendation. If you are admitted, you will be expected to confirm your commitment with a non-refundable payment of \$1,000. This pre-payment will be applied to tuition charges and will reserve one of the LMU EMBA positions for you.

### Summary—The Application Essentials

SCHEDULE INTERVIEW: Early interview suggested

COMPLETE: Application with \$100 fee

HAVE SENT:

- Transcripts
- 2 Letters of Recommendation
- GMAT Score, if required

SEND TO:

EMBA Admissions  
Center for Executive Learning  
Loyola Marymount University  
1 LMU Drive, MS 8386  
Los Angeles, CA 90045-2659

### The Executive MBA Curriculum

The Executive MBA curriculum employs a modular structure with the focus shifting from analysis and evaluation in the first half of the program to strategic application and execution in the second half of the program. The 20-month, 56-credit-hour program is presented in four modules. The learning process is accomplished through three levels of integration.

**Knowledge Content:** To enhance relevance of core business concepts to the workplace, knowledge content (finance, accounting, economics, business analytics, marketing, leadership, performance management, and strategy) is presented by instructors with significant real-world experience in theme-based modules that closely approximate their application in real-world situations.

**Managerial Competencies:** Core managerial competencies (problem solving and decision making, communicating and interpersonal relations) are used to integrate and enhance the application of knowledge, experience, and learned concepts into the workplace.

Integrated Learning Environment: Relevance and enhanced retention are enabled through action-based assignments, illustrative real-world cases studies, integrated skill application projects, and on-scene domestic and international field trips.

The major components of the program are the classroom experience, skills application projects, structured residencies, and experiential learning.

### **Classroom Experience**

Classroom sessions are comprised of presentations by academic and business leaders. Learning is facilitated through interaction between participants and faculty, exercises approximating real management issues, case studies, and exploring management concepts found in readings and text materials. Individual skill development is stressed, with the aim of equipping executives with strategies they can use to improve their own decision-making and leadership capabilities.

### **Skill Application Projects**

Skill application projects provide important experiential learning by using business concepts learned in the classroom to solve real business problems. Each module or major curriculum focus uses a team project to facilitate the transference of knowledge into practical application. Projects are real business issues faced every day, such as a merger or acquisition, ethical decisions, opening new markets, major reorganization, or a functional business problem. Web-based group interaction and e-mail are used to facilitate completion of group assignments.

### **Learning Experiences**

Learning experiences provide unique educational opportunities that augment classroom instruction. These are fully integrated into the curriculum and also provide experiential learning in the actual practice of management.

- **Executive Leadership Retreat**  
You begin the Executive MBA program with a four-day residential retreat where we help you set learning goals, form study teams, and engage in a variety of workshops and team-building exercises. We also include a workshop for our students and their spouses/significant others addressing the importance of achieving balance between family, work, and school.
- **Innovation, Entrepreneurialism, and Leadership Practicum**  
After completing Modules 1 and 2 in Year One, students will study innovation, entrepreneurialism, and leadership during a structured summer program. The innovation component will explore the key organizational factors that facilitate innovative process, including a domestic field trip to some of the nation's most innovative companies. The entrepreneurialism component will examine the new venture start up process, identifying the elements critical for success. The leadership practicum will provide a forum for experiential learning and team building.
- **International Trip**  
During Year Two, you will take a field trip to one or more major, non-U.S. business centers that will broaden your understanding of what it takes to manage in today's global business environment. In recent years, we have traveled to South America, China, India, Southeast Asia, South Africa, and Europe. Our students regularly cite the visit as a highlight of the program.

### **Expectations for Executive MBA Students**

The Executive MBA is a cohort program where students proceed through a fixed curriculum as a group. Learning is facilitated through collaborative assignments where students work closely with each

other, with faculty, and within study teams. A significant and critical part of the learning is achieved through open and honest dialog with fellow students and faculty.

Learning in the program depends heavily on how students interact with and work with other classmates. Students are expected to develop an awareness of self that requires a willingness to engage in self-discovery, to look at oneself objectively, and to respect the opinions and perspectives of fellow classmates, faculty, and administrators. Students agree to and accept the following guidelines:

- Fully engage and participate in class discussion
- Actively participate in regular team meetings and activities
- Fulfill commitments made to the team including homework and team projects
- Support other team members
- Actively work to create a high performance team
- Be open to feedback from faculty, team members, and class members
- Provide feedback to team members and class members
- Treat fellow students, faculty, and administrators with mutual respect

Failure to adhere to these guidelines may result in dismissal from the program.

## **The EMBA Curriculum Sequence**

The EMBA is built and organized around key business challenges, with courses that integrate core business concepts and tools with real business situations to address these challenges. Credit hours for an individual course may vary from .5 to 4 semester hours, and some courses may not be offered for each class, or in the module indicated; however, total credit hours is 56 semester hours. The MBA degree is awarded by the College of Business Administration upon successful completion of the program.

The LMU EMBA program consists of 56 semester hours taught over four modules and a summer session between the first and second years. Each module approximates a normal semester. The curriculum is integrated, which means that key concepts are addressed across courses and across modules. The sequence moves from acquiring business knowledge, to applying knowledge in real-world settings at the organizational level, to using knowledge and skills for making strategic decisions and leading change at the firm level.

### **Module 1: Business Foundations**

This module introduces fundamental leadership principles, and quantitative and analytical skills required for executive management.

The module includes:

- MBAP 601 Financial Accounting 1 TO 4 semester hours
- MBAP 603 Business Insights 1 TO 4 semester hours
- MBAP 623 Leadership Foundations 1 TO 4 semester hours
- MBAP 626 Executive Communications I 1 TO 4 semester hours
- MBAP 634 Marketing Management 1 TO 4 semester hours

### **Module 2: Building and Leading High Performance Organizations**

This module builds on the foundational skills introduced in Module 1. Courses focus on strengthening the decision-making skills and capabilities required for executives to build and lead a high performing organization.

The module includes:

- MBAP 602 Managerial Accounting *1 TO 4 semester hours*
- MBAP 631 Applied Business Economics *1 TO 4 semester hours*
- MBAP 608 Fundamentals of Finance *1 TO 4 semester hours*
- MBAP 622 Human Capital Management *1 TO 4 semester hours*
- MBAP 627 Executive Communications II *1 TO 4 semester hours*
- MBAP 632 Applied Macro Economics *1 TO 4 semester hours*
- MBAP 662 Ethics and Spirituality in the Workplace *.5 TO 4 semester hours*

### Summer: Innovation and Entrepreneurialism

The Summer Session examines the role of leadership in managing innovation, new venture startups, and team building.

The program includes:

- MBAP 612 Leadership Practicum *1 TO 4 semester hours*
- MBAP 616 New Venture Start Up *1 TO 4 semester hours*
- MBAP 629 Managing Innovation *1 TO 4 semester hours*
- MBAP 652 Field Study: Innovation in Practice *1 TO 4 semester hours*

### Module 3: Strategy in the Global Business Environment

Courses in this module focus on providing executives with a strategic mindset and the capabilities required for organizations to compete and win in the global business environment.

The module includes:

- MBAP 609 Corporate Finance and Capital Markets *1 TO 4 semester hours*
- MBAP 635 Strategic Marketing *1 TO 4 semester hours*
- MBAP 643 Strategic Management *1 TO 4 semester hours*
- MBAP 653 Field Study: Business in the International Environment I *1 TO 4 semester hours*
- MBAP 662 Ethics and Spirituality in the Workplace *.5 TO 4 semester hours*
- MBAP 663 Professional Growth Planning *.5 TO 4 semester hours*

### Module 4: Executive Leadership in Practice

The focus of this module is executive leadership in practice. Courses integrate the insights and skills gained in prior modules, applying them in the program's capstone international-based project and the leader's role in managing major organizational transformations.

The experience includes:

- MBAP 611 Financing Expansion and Resolving Growth Issues *1 TO 4 semester hours*
- MBAP 613 Strategic Opportunity Assessment *1 TO 4 semester hours*
- MBAP 614 Strategic Opportunity Implementation *1 TO 4 semester hours*
- MBAP 625 Management and the Technological Future *1 TO 4 semester hours*
- MBAP 645 Executive Leadership *1 TO 4 semester hours*
- MBAP 654 Business in the International Environment II *1 TO 4 semester hours*
- MBAP 662 Ethics and Spirituality in the Workplace *.5 TO 4 semester hours*
- MBAP 663 Professional Growth Planning *.5 TO 4 semester hours*

# College of Communication and Fine Arts

## Administration

Dean: Bryant Keith Alexander

Associate Dean: Judith Scalin

Assistant Dean: Elaine P. Walker

## Mission of the College

Grounded in and sustained by a significant commitment to an excellent liberal education, the College of Communication and Fine Arts aims to promote the Mission of Loyola Marymount University in the following ways:

*Foster the encouragement of learning in all of our academic programs and endeavors;*

*Contribute in a distinctive way to the education of the whole person;*

*Create in our own community and in the larger community beyond LMU the individual and collective resources and orientations that will allow us to create a more compassionate and just world.*

The College of Communication and Fine Arts creates an environment conducive to understanding the complex phenomena of art and art making as well as human communication in all its diverse forms. Driven by a passionate commitment to study, understand, and experience human creative expression requires that we assist students and our various publics in adopting a critical and discerning orientation to human artistic and communicative expression. We develop both the capacity for human artistic expression and the capacity for other forms of communication as life-enhancing opportunities to promote the common good and contribute to the full development of our students, faculty, staff, alumni, and those we serve beyond LMU.

Our undergraduate programs in Art and Art History, Communication Studies, Dance, Music, and Theatre Arts and our graduate program in Marital and Family Therapy (grounded in clinical art therapy) foster deep inquiry into the processes and artifacts of human expression and their capacity to shape life's experiences, meanings, and expectations. We are intrigued by the ways in which art and communication reveal human interiority in all its mysterious and complex diversity. Ultimately, our shared objective is to create and sustain a learning community composed of individuals, each more fully alive, more capable of experiencing life in all its complexity, in order to assist all to live more meaningful and productive lives. Our educational programs and personal interactions with students motivate them to continue learning throughout their lives. Our courses and programs are embedded in a learning community characterized by close contact between faculty, staff, and students that encourages students and their mentors to realize our individual and collective potential to make meaningful contributions to a world in need of our most discerning intelligence and our most creative and compassionate responses. In order to respond most effectively to a challenging and diverse world, the College develops its curricular and program initiatives to promote specific student learning outcomes, developing in them the capacity to make informed, capable, and compassionate contributions through their professional lives and their personal relationships.

## College of Communication and Fine Arts Student Learning Outcomes

By engaging and fully participating in academic programs in the College of Communication and Fine Arts, our students should develop a critical understanding of:

- The history, theories, techniques, approaches, and orientations appropriate to their academic disciplines in

the arts, communication studies, and marital and family therapy (clinical art therapy)

- The ways this body of knowledge and its distinctive understandings relate to and inform other ways of knowing and other forms of human expression in all its diversity
- The significant consequences and potentially transformative impact of our individual and collective capacity to create or to communicate something that would not exist were it not for our own expression.

By engaging and fully participating in academic programs in CFA, our students should be able to:

- Integrate and incorporate the knowledge of their disciplines into their own work in a creative and increasingly accomplished way
- Develop the capacity to be receptive to the critiques of others and to be deeply self-reflective about their own work
- Experience their work as central to their own personal development and accept their responsibility to other people and the world we share
- Offer discerning responses to the human expressions and created art works of others
- Collaborate with others in exploring how to create and communicate, bringing the interior world of our private selves into the public sphere in ways that engage and enlighten.

By engaging and fully participating in academic programs in CFA, our students should value:

- Imagination, intuition, and spirituality as an essential part of life
- The power of human creativity and human communication to transform our innermost private lives and our relationships in an increasingly diverse and complex public sphere
- The complexity and diversity of human experience reflected in an openness to respond to other people from varied backgrounds, cultures, and belief systems in a socially just and compassionate way
- The role that the arts and communication play in creating and re-creating cultures, meanings, and expectations that shape our lives in profound ways.

## Application of General University Requirements

The University requirements for admission, graduation, and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the College of Communication and Fine Arts.

## Teacher Preparation Program

The College of Communication and Fine Arts offers a subject matter preparation program in art education specially designed to meet the State of California subject matter requirements for a secondary credential. The Bachelor of Arts degree with an emphasis in Art Education is designed to allow completion of the California Preliminary Single Subject (Secondary) credential in four years. This program is offered in conjunction with the School of Education. All students interested in teaching art at a secondary level should contact Teresa I. Lenihan as soon as possible and should also contact the School of Education to arrange a time to attend an Undergraduate Information Session.

## College Curriculum

The curriculum of each department in the College of Communication and Fine Arts incorporates required courses in general education, major sequences, and elective courses which complement and enhance the student's major field of concentration.

### **Total Program**

120 semester hours are required for graduation with the following distribution:

1. A maximum of 36 upper division semester hours in any one department will be accepted toward the 120 semester hours requirement; and
2. At least 45 semester hours are required from upper division offerings.

Students should consult the Dean's Office for specific policies applicable to the College of Communication and Fine Arts.

### **Individualized Study Program**

Admission to the Individualized Study Program in Communication and Fine Arts requires:

1. A B (3.0) grade point average.
2. The submission of an Individualized Study Program form delineating courses and signed by the student's advisor and the chairperson of the advisor's department.
3. The submission by the advisor of a complete curriculum from an accredited college or university.
4. The signature of the Dean of the College.

All subsequent changes in the Individualized Study Program require points 2, 3, and 4 above.

Students registering for an Individualized Study Program are advised that their diploma and transcript will read "Individualized Study" and not the specific major they elect within that program.

### **Art and Art History**

#### **Faculty**

Chairpersons: Damon Willick (Art History), Garland P. Kirkpatrick (Studio Arts)

Professors: Michael Brodsky, Jane Marie Brucker, Rudolf Fleck, Teresa I. Lenihan, Diane M. Meyer, Teresa Muñoz, Kirstin J. Noreen, Rev. Michael R. Tang, Damon Willick

Associate Professors: Saeri Cho Dobson, Han Dai-Yu, Garland P. Kirkpatrick, Dmitry Kmelnitsky

Assistant Professors: Amanda Herring, Melody N. Rodari

#### **Mission**

Within the framework of the University's mission, the Department of Art and Art History is committed to giving students educational opportunities combining creativity, professional, and scholarly study in the visual arts.

#### **Objectives**

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

#### **Degrees**

Two majors are offered, Studio Arts and Art History.

Students may also complete a minor.

The Department is a fully accredited member of the National Association of Schools of Art and Design.

#### **Semester Hours**

For studio classes, a semester hour of credit, one unit, represents three hours of work each week. In lecture and seminar courses, an

hour of credit represents one hour each week in class and two hours of work outside of class.

### **Art History, B.A.**

The major in Art History is designed to increase the student's understanding of the meaning and purpose of visual arts. Utilizing an interdisciplinary approach, courses examine the historical development, formal expression, and societal role of visual culture, art, and architecture.

#### **Goals for Art History Majors**

Courses expose students to a broad understanding of world history through the visual arts, providing a full awareness of the historical, spiritual, and cultural contexts of the works of art. In addition, classes foster excellent research skills, critical thinking, and advanced writing in preparation for graduate studies or professional careers.

#### **Objectives**

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

#### **Student Learning Outcomes**

Students majoring in Art History should be able to:

- Think critically and articulate clear ideas about visual culture, art, and architecture and their historical and contemporary significance.
- Formulate and articulate meaningful statements and documents on visual culture, art, and architecture using the necessary research and writing skills.

Students majoring in Art History should know:

- Methods for analyzing works of visual culture, art, and architecture within their appropriate historical, social, religious, and philosophical contexts.
- Historical contexts for diverse artistic traditions.
- The impact of diverse cultural contexts on the production and understanding of artistic traditions.

Students majoring in Art History are presented with the opportunity to value:

- The aesthetic, theoretical, and historical properties of works of visual culture, art, and architecture.
- The power of visual culture to communicate deep human ideas and emotions.

#### **Major Requirements**

##### **Lower Division Requirements:**

ARHS 2000, ARHS 2002, ARHS 2004, and one lower division Studio Arts course.

##### **Upper Division Requirements:**

A total of a minimum of 24 semester hours of upper division courses, including:

- At least 2 non-Western Art History classes (minimum of 3 semester hours per class) from the following listings: ARHS 33xx or ARHS 43xx
- At least 3 additional Art History classes (minimum of 3 semester hours per class). It is recommended that students select coursework with an advisor to ensure geographic and chronological breadth of subject matter.
- ARHS 4800

**Required:**

A total number of 39 semester hours for the Art History major. To meet the total number of required semester hours, students may need to take additional upper division art history electives.

A minimum cumulative GPA of 2.0 (C) must be obtained in the major requirements.

A minimum cumulative GPA of 2.5 is required for changing a major into the department.

**Highly Recommended:**

One full year of college-level foreign language (French or German recommended if considering graduate school).

**Art History Model Four-Year Plan**

**Freshman Year**

**Fall Semester**

- ARHS 2000 Foundations of Western Art *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

**Spring Semester**

- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

**Sophomore Year**

**Fall Semester**

- ARHS 2004 Modernism *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

**Spring Semester**

- ARHS Upper Division *4 semester hours*
- Lower Division ART Elective *3 semester hours*

- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-15 semester hours

**Junior Year**

**Fall Semester**

- ARHS 4800 Junior/Senior Seminar in Art History *4 semester hours* or
- ARHS Upper Division *4 semester hours*
- ARHS Upper Division - Non-Western *4 semester hours*
- University Core *3-4 semester hours*
- Elective (Language Recommended) *4 semester hours*

Total: 15-16 semester hours

**Spring Semester**

- ARHS Upper Division - Non-Western *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective (Language Recommended) *4 semester hours*

Total: 14-16 semester hours

**Senior Year**

**Fall Semester**

- ARHS 4800 Junior/Senior Seminar in Art History *4 semester hours* or
- ARHS Upper Division *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

**Spring Semester**

- ARHS Upper Division *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

**Note:**

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

**Studio Arts, B.A.**

**Description and Goal**

The B.A. in Studio Arts provides a broad conceptual and formal foundation in the fundamental principles of art design and technology within a liberal arts education.

Students develop visual and cultural literacies through: Individual artistic, creative, and theoretical exploration; Art-historical, exhibition-oriented, and curatorial endeavors; Interdisciplinary and entrepreneurial engagements; a social justice oriented lens.

Using the creative landscape of Los Angeles, the programs in studio arts provide a student-focused art and design education which prepares them for careers and/or graduate studies in the fine arts, graphic design, multimedia arts, and art education disciplines.

Students are required to declare their chosen emphasis during the first semester sophomore year. Entering transfer students are required to declare their chosen emphasis at the time of registration for classes.

The goal of all areas is to encourage individual creative exploration and to develop student understanding of artistic and cultural expression.

## Objectives

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

## Student Learning Outcomes

Students majoring in Studio Arts (STAR) should know:

- The basic definitions, concepts, and techniques in visual arts
- How to discover their unique capabilities and personal artistic expression
- How to solve creative and aesthetic problems in the visual arts.

Students majoring in Studio Arts (STAR) should be able to:

- Represent a distinct sensibility
- Make artistic decisions based on an awareness of traditional and current art movements and technological advancements
- Expand their cultural and critical view of the history of art
- Critically analyze and assess artworks and concepts
- Prepare a portfolio needed to enter graduate studies or a professional career.

Students majoring in Studio Arts (STAR) are encouraged to value:

- The on-going learning and development of overall technical knowledge
- The abilities of others
- Expertise in the arts
- The awareness of art history within the larger human context
- The pursuit of new skills and insights for personal growth
- Service to others and the promotion of justice.

## General Information

Students in Studio Arts (STAR) are expected to engage in studio work in addition to scheduled class time. Most studios are open to enrolled students outside of class time on a 24-hour basis. For studio classes, students should anticipate approximately three hours of outside of class studio work every week for each semester hour of

course credit. In lecture and seminar courses, students should anticipate approximately one hour each week in class and two hours of work outside of class for each semester hour of course credit.

## Art Education Emphasis (ARTE)

The Art Education Emphasis is designed to create reflective, informed, caring, and capable artists who are skilled in using interpersonal and creative tools for a career in education or other related careers. Students interested in teaching the visual arts in public secondary schools and earning a State of California Single Subject Teaching Credential in Art must fulfill all the requirements for the major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the requirements for a minor in Secondary Education (SEED), and the requirements for a single subject credential in Art (SECR). With the help of their advisors, students can carefully design a schedule to complete this credential program during their four years at LMU. This art education program is offered in collaboration with the School of Education and is considered a waiver to the CSET in Art exam, a credential requirement that demonstrates subject matter competency in fine arts. Along with this undergraduate credential pathway, ARTE is also an excellent foundation for students interested in going on to graduate studies in education or art education, and related fields such as art therapy, museum education, social practice, and arts management.

## Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take HIST 1300 Becoming America or any Explorations: Historical Analysis and Perspectives course that fulfills the Constitution requirement.

## Lower Division Requirements

- ART 153 Drawing I 3 semester hours
- ART 160 Two-Dimensional Design 3 semester hours
- ART 255 Field Experience in Art 0 semester hours
- ART 257 Painting I 3 semester hours
- ART 260 Computer Graphics I 3 semester hours
- ART 275 Three-Dimensional Design 3 semester hours
- ARHS 2000 Foundations of Western Art 4 semester hours
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours
- ART 154 Drawing II: Figure Drawing 3 semester hours or
- ART 278 Ceramics I 3 semester hours or
- ART 280 Photography I 3 semester hours or
- ART 285 Introduction to Printmaking 3 semester hours as the foundation for the Studio Arts Focus.\*

## Upper Division Requirements

29 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice 3 semester hours
- ART 396 Design Praxis: Professional Practices in Design 3 semester hours or
- ART 397 Professional Practices in Fine Arts 3 semester hours

- ART 455 Methods in Teaching Secondary Art 3 *semester hours*
- ART 490 Senior Design Thesis 3 *semester hours* or
- ART 497 Senior Thesis in Fine Arts 3 *semester hours*
- 9 semester hours of Upper Division ART Electives \*
- ARHS 4630 Contemporary Art 4 *semester hours*

### A Non-Western Art History Course

Choose one class from:

- ARHS 3311 Pre-Columbian Art 4 *semester hours*
- ARHS 3331 Arts of Africa 4 *semester hours*
- ARHS 3341 Arts of Islam 4 *semester hours*
- ARHS 4301 Arts of India 4 *semester hours*
- ARHS 4303 Arts of China 4 *semester hours*
- ARHS 4307 Arts of Japan 4 *semester hours*
- ARHS 4998 Special Studies 1-4 *semester hours* (if a non-Western topic is to be studied)

Note:

#### \*Studio Arts Focus Requirement:

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select both lower and upper division courses from within the same Studio Arts Focus. Courses must be selected under the advisement of the Director of Art Education.

### Art Education Emphasis Model Four-Year Plan

#### Freshman Year

##### Fall Semester

- ART 153 Drawing I 3 *semester hours*
- ART 160 Two-Dimensional Design 3 *semester hours*
- ARHS 2000 Foundations of Western Art 4 *semester hours*
- FFYS 1000 First Year Seminar 3 *OR* 4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-18 semester hours

##### Spring Semester

- ART 154 Drawing II: Figure Drawing 3 *semester hours* (Studio Arts Focus Lower Division) or
- ART 278 Ceramics I 3 *semester hours* (Studio Arts Focus Lower Division) or
- ART 280 Photography I 3 *semester hours* (Studio Arts Focus Lower Division) or
- ART 285 Introduction to Printmaking 3 *semester hours* (Studio Arts Focus Lower Division)
- ART 275 Three-Dimensional Design 3 *semester hours*
- RHET 1000 Rhetorical Arts 3 *OR* 4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-18 semester hours

#### Sophomore Year

##### Fall Semester

- ART 257 Painting I 3 *semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-19 semester hours

##### Spring Semester

- ART 255 Field Experience in Art 0 *semester hours*
- ART 260 Computer Graphics I 3 *semester hours*
- ART Upper Division - Intermediate Studio Arts Focus 3 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-18 semester hours

#### Junior Year

##### Fall Semester

- ART 355 Experiencing Art and Social Justice 3 *semester hours*
- ART 396 Design Praxis: Professional Practices in Design 3 *semester hours* or
- ART 397 Professional Practices in Fine Arts 3 *semester hours*
- HIST 1300 Becoming America 4 *semester hours* or any other Explorations: Historical Analysis and Perspectives course that fulfills the Constitution requirement
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-18 semester hours

##### Spring Semester

- ARHS 4630 Contemporary Art 4 *semester hours*
- ART Upper Division Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-19 semester hours

#### Senior Year

##### Fall Semester

- ART 455 Methods in Teaching Secondary Art 3 *semester hours*

- ART Upper Division - Advanced Studio Arts Focus 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-18 semester hours

#### Spring Semester

- ART 490 Senior Design Thesis 3 *semester hours* \* or
- ART 497 Senior Thesis in Fine Arts 3 *semester hours*
- ARHS 3311 Pre-Columbian Art 4 *semester hours* or
- ARHS 3331 Arts of Africa 4 *semester hours* or
- ARHS 3341 Arts of Islam 4 *semester hours* or
- ARHS 4301 Arts of India 4 *semester hours* or
- ARHS 4303 Arts of China 4 *semester hours* or
- ARHS 4307 Arts of Japan 4 *semester hours* or
- ARHS 4998 Special Studies 1-4 *semester hours* (if a non-Western topic is studied)
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-19 semester hours

#### Notes:

\* Students following the Art Education Emphasis with a Studio Arts Focus in Design must complete all prerequisites before enrolling in ART 490.

This schedule is typical. The sequence and choices of courses must be decided in consultation with the Director of Art Education.

It is recommended that each Art Education student consider declaring a minor. A semester of international study is also recommended. Consult the Study Abroad Office.

### Art Education Emphasis with a minor in Secondary Education and a California Single Subject Teaching Credential in Art

#### Secondary Teacher Preparation in Art

The Art Education Emphasis is designed to create reflective, informed, caring, and capable artists who are skilled in using interpersonal and creative tools for teaching careers in California schools at the secondary level (grades 6-12). Students interested in earning a State of California Single Subject Teaching Credential in Art must fulfill all the requirements for the major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the requirements for a minor in Secondary Education (SEED), and the requirements for a single subject credential in Art (SECR)0. With the help of their advisor, students can carefully design a schedule to complete the program during their four years at LMU. Students who seek graduation with an Art Education Emphasis and a teaching credential should ideally declare the Art Education Emphasis as a freshman.

This art education program is offered in collaboration with the School of Education and is considered a waiver to the CSET in Art

exam, a credential requirement that demonstrates subject matter competency in fine arts.

The LMU Secondary Teacher Preparation Program in Art is approved by the California Commission on Teacher Credentialing. The Department of Art and Art History is a fully accredited member of the National Association of Schools of Art and Design.

Students should consult with the Director/Advisor of Secondary Teacher Preparation Program in Art, Professor Terry Lenihan (tlenihan@lmu.edu 310.338.4409) to sign up for the program and to discuss their course of study.

Please contact the School of Education at soeinfo@lmu.edu for information about all available Secondary Teacher Preparation Programs (STPP). All students interested in teaching Art in middle schools or high schools should meet with their departmental advisors as soon as possible and must also attend a mandatory School of Education Undergraduate Information Session. Please call 310.338.7845 to obtain the next scheduled meeting time and to confirm attendance. The advisor for STPP students regarding the School of Education is Michael Cersosimo (Michael.Cersosimo@lmu.edu, 310.258.8806)

The Center for Undergraduate Teacher Preparation (CUTP) is also available to assist students interested in teaching careers in both secondary and elementary education. Please contact Dr. Annette Pijuan Hernandez, Senior Director and Associate Clinical Professor (Annette.Hernandez@lmu.edu, 310.258.8806). CUTP is located in UH 3346, 310.258.8806.

#### Major Requirements for a Major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE)

##### Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take HIST 1300 Becoming America.

##### Lower Division Requirements

26 semester hours of lower division courses:

- ART 153 Drawing I 3 *semester hours*
- ART 160 Two-Dimensional Design 3 *semester hours*
- ART 255 Field Experience in Art 0 *semester hours*
- ART 257 Painting I 3 *semester hours*
- ART 260 Computer Graphics I 3 *semester hours*
- ART 275 Three-Dimensional Design 3 *semester hours*
- ARHS 2000 Foundations of Western Art 4 *semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 *semester hours*
- ART 154 Drawing II: Figure Drawing 3 *semester hours* or
- ART 278 Ceramics I 3 *semester hours* or
- ART 280 Photography I 3 *semester hours* or
- ART 285 Introduction to Printmaking 3 *semester hours* as the foundation for the Studio Arts Focus.

##### Upper Division Requirements

29 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice 3 *semester hours*
- ART 396 Design Praxis: Professional Practices in Design 3 *semester hours* or

- ART 397 Professional Practices in Fine Arts 3 semester hours
- ART 455 Methods in Teaching Secondary Art 3 semester hours
- ART 490 Senior Design Thesis 3 semester hours or
- ART 497 Senior Thesis in Fine Arts 3 semester hours (must take for 3 semester hours)
- 9 semester hours of upper division ART electives\*
- ARHS 4630 Contemporary Art 4 semester hours

A non-Western Art History course or any non-Western course:

- ARHS 3311 Pre-Columbian Art 4 semester hours
- ARHS 3331 Arts of Africa 4 semester hours
- ARHS 3341 Arts of Islam 4 semester hours
- ARHS 4301 Arts of India 4 semester hours
- ARHS 4303 Arts of China 4 semester hours
- ARHS 4307 Arts of Japan 4 semester hours
- ARHS 4998 Special Studies 1-4 semester hours

Note:

#### \*Studio Arts Focus Requirement

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select both lower and upper division courses from within the same Studio Arts focus. Courses must be selected under the advisement of the Director of Art Education.

#### Requirements for State of California Secondary Teaching Credential (SECR) and a Minor in Secondary Education (SEED)

Art Education Emphasis students interested in earning a State of California Secondary Teaching Credential declare a Minor in Secondary Education.

The following are requirements for the Secondary Teaching Credential (SECR):

- EDUR 400 Sociocultural Analysis of Education 3 semester hours \*\*
- EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 semester hours \*\*
- EDCE 412 Secondary Directed Teaching 9 TO 12 semester hours \*\*
- EDES 414 Theories and Policies of Second Language Acquisition 3 semester hours
- EDES 425 Methods in English Language Development and Specially Designed Academic Instruction in English for Elementary Educators 3 semester hours
- EDES 403 Reading and Content Learning in Middle and Secondary Schools 3 semester hours
- EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs 3 semester hours \*\*
- EDES 8000 Health Education 1 semester hour
- EDCE 461 Teaching Performance Assessment 1 0 semester hours

- EDCE 462 Teaching Performance Assessment 2 0 semester hours
- EDCE 463 Teaching Performance Assessment 3 0 semester hours
- EDCE 464 Teaching Performance Assessment 4 0 semester hours

Note:

\*\*Prerequisite courses along with these additional requirements are necessary for applying to the School of Education to earn the State of California Teaching Credential:

- Cumulative GPA of 3.0 or better
- CBEST original passing score report
- 20 hours of grade-level instruction (letter from ARTsmart Program Director)
- U.S. Constitution Requirement (HIST 1300 Becoming America)
- Fingerprint Clearance
- Tuberculosis (TB) Skin Test
- School of Education Application Form
- Statement of Intent
- Candidate Information Sheet
- Four Letters of Recommendation
- Technology Requirement (self-verification form)

See School of Education listing for additional information.

#### Art Education Emphasis with State of California Secondary Teaching Credential (SECR) and a Minor in Secondary Education (SEED) Model Four-Year Plan

Freshman Year

Fall Semester

- ART 153 Drawing I 3 semester hours
- ART 160 Two-Dimensional Design 3 semester hours
- ART 275 Three-Dimensional Design 3 semester hours
- ARHS 2000 Foundations of Western Art 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

Total: 16-17 semester hours

Spring Semester

- ART 154 Drawing II: Figure Drawing 3 semester hours Studio Arts Focus Lower Division or
- ART 278 Ceramics I 3 semester hours Studio Arts Focus Lower Division or
- ART 280 Photography I 3 semester hours Studio Arts Focus Lower Division or
- ART 285 Introduction to Printmaking 3 semester hours Studio Arts Focus Lower Division or
- ART 260 Computer Graphics I 3 semester hours
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours
- ART 255 Field Experience in Art 0 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 16-18 semester hours

## Sophomore Year

### Fall Semester

- ART 257 Painting I 3 semester hours
- EDUR 400 Sociocultural Analysis of Education 3 semester hours
- EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

### Spring Semester

- ART Upper Division - Intermediate Studio Arts Focus 3 semester hours
- ARHS 3341 Arts of Islam 4 semester hours or
- ARHS 4301 Arts of India 4 semester hours or
- ARHS 4303 Arts of China 4 semester hours or
- ARHS 4307 Arts of Japan 4 semester hours or
- Any non-Western ARHS 4998 Special Studies 1-4 semester hours (must take for 3 semester hours)
- EDES 414 Theories and Policies of Second Language Acquisition 3 semester hours
- EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs 3 semester hours
- University Core 3-4 semester hours

Total: 16-17 semester hours

## Junior Year

### Fall Semester

- ART 355 Experiencing Art and Social Justice 3 semester hours
- ART 396 Design Praxis: Professional Practices in Design 3 semester hours or
- ART 397 Professional Practices in Fine Arts 3 semester hours
- EDES 8000 Health Education 1 semester hour
- HIST 1300 Becoming America 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 17-19 semester hours

### Spring Semester

- ART Upper Division Elective 3 semester hours
- ARHS 4630 Contemporary Art 4 semester hours
- EDCE 461 Teaching Performance Assessment 1 0 semester hours

- EDES 403 Reading and Content Learning in Middle and Secondary Schools 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-18 semester hours

## Senior Year

### Fall Semester

- ART 455 Methods in Teaching Secondary Art 3 semester hours
- ART Upper Division - Advanced Studio Arts Focus 3 semester hours
- EDCE 462 Teaching Performance Assessment 2 0 semester hours
- EDES 425 Methods in English Language Development and Specially Designed Academic Instruction in English for Elementary Educators 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

### Spring Semester

- ART 490 Senior Design Thesis 3 semester hours \* or
- ART 497 Senior Thesis in Fine Arts 3 semester hours
- EDCE 412 Secondary Directed Teaching 9 TO 12 semester hours
- EDCE 463 Teaching Performance Assessment 3 0 semester hours
- EDCE 464 Teaching Performance Assessment 4 0 semester hours

Total: 12-15 semester hours

Note:

\* Students following the Art Education Emphasis with a Studio Arts Focus in Design must complete all prerequisites prior to enrolling in ART 490.

This schedule is typical. The sequence and choices of courses must be decided in consultation with the Director of Art Education and advisors from the School of Education.

**All students interested in art education are required to consult closely with the CFA Dean's office, the Director of Art Education, and the School of Education for the updated program requirements. Consultation is critical to ensure timely completion of the programs. Additionally, students should contact the School of Education to arrange a time to attend an Undergraduate Information Session.**

## Fine Arts Emphasis

### Major Requirements

Fine Arts Emphasis majors choose a concentration in:

**Ceramics (FACR),  
Drawing/Painting (FADP),**

**Photography (FAPH),  
Printmaking (FAPR),  
or Individualized Studies (FAIS)**

then select both lower and upper division courses from within the same concentration.

**Lower Division Requirements:**

30 semester hours of lower division courses:

- ART 153 Drawing I 3 semester hours
- ART 160 Two-Dimensional Design 3 semester hours
- ART 260 Computer Graphics I 3 semester hours
- ART 275 Three-Dimensional Design 3 semester hours or
- ART 276 Ceramic Sculpture 3 semester hours
- ARHS 2000 Foundations of Western Art 4 semester hours
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours
- ARHS 2004 Modernism 4 semester hours

And 6 semester hours from one of the concentrations listed below.

**Ceramics:**

- ART 276 Ceramic Sculpture 3 semester hours
- ART 278 Ceramics I 3 semester hours

**Drawing/Painting:**

- ART 154 Drawing II: Figure Drawing 3 semester hours
- ART 257 Painting I 3 semester hours

**Photography:**

- ART 280 Photography I 3 semester hours
- ART 285 Introduction to Printmaking 3 semester hours

**Printmaking:**

- ART 154 Drawing II: Figure Drawing 3 semester hours
- ART 285 Introduction to Printmaking 3 semester hours

**Upper Division Requirements:**

22 semester hours of upper division courses:

12 semester hours from one of the concentrations listed below

**Ceramics:**

- ART 370 Beginning Wheel Throwing 3 semester hours
- ART 372 Jewelry I 3 semester hours
- ART 378 Drawing and Clay 3 semester hours
- ART 478 Ceramics Workshop 3 semester hours

**Drawing/Painting:**

Choose from

- ART 300 Figure Drawing Workshop 1 semester hour
- ART 310 Drawing Workshop 1 semester hour
- ART 315 Perspective Drawing Workshop 1 semester hour
- ART 334 Animal Drawing 3 semester hours

- ART 356 Painting II 3 semester hours
- ART 358 Painting III 3 semester hours
- ART 378 Drawing and Clay 3 semester hours
- ART 398 Special Studies 1 TO 3 semester hours
- ART 453 Drawing III: Formal Issues 3 semester hours
- ART 454 Drawing IV: Figure Composition 3 semester hours

**Recommended:**

- ART 385 Relief Printmaking 3 semester hours or
- ART 386 Etching Printmaking 3 semester hours

**Photography:**

- ART 380 Photography II 3 semester hours
- ART 382 Digital Photography 3 semester hours
- ART 480 Color Photography 3 semester hours
- ARHS 3540 Social and Aesthetic History of Photography 3 semester hours

**Recommended:**

- ART 387 Silkscreen Printmaking 3 semester hours
- ART 398 Special Studies 1 TO 3 semester hours (with a Photography topic)

**Printmaking:**

- ART 385 Relief Printmaking 3 semester hours
- ART 386 Etching Printmaking 3 semester hours
- ART 387 Silkscreen Printmaking 3 semester hours
- ART 485 Advanced Printmaking 1 TO 3 semester hours

**Recommended:**

- ART 368 Typography I 3 semester hours
- ART 380 Photography II 3 semester hours or
- ART 382 Digital Photography 3 semester hours

6 semester hours of ART electives

- ART 397 Professional Practices in Fine Arts 3 semester hours
- ART 497 Senior Thesis in Fine Arts 3 semester hours

And an upper division non-Western Art History

- ARHS 3311 Pre-Columbian Art 4 semester hours
- ARHS 3331 Arts of Africa 4 semester hours
- ARHS 3341 Arts of Islam 4 semester hours
- ARHS 4301 Arts of India 4 semester hours
- ARHS 4303 Arts of China 4 semester hours
- ARHS 4307 Arts of Japan 4 semester hours or
- any non-Western ARHS 4998 course

**Fine Arts Emphasis Model Four-Year Plan**

**Freshman Year**

## Fall Semester

- ART 153 Drawing I 3 semester hours
- ART 160 Two-Dimensional Design 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-18 semester hours

## Spring Semester

- ARHS 2000 Foundations of Western Art 4 semester hours
- ART 260 Computer Graphics I 3 semester hours or
- ART 275 Three-Dimensional Design 3 semester hours or
- ART 276 Ceramic Sculpture 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-19 semester hours

## Sophomore Year

### Fall Semester

- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours
- ART 260 Computer Graphics I 3 semester hours or
- ART 275 Three-Dimensional Design 3 semester hours or
- ART 276 Ceramic Sculpture 3 semester hours
- ART Concentration Lower Division 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-18 semester hours

### Spring Semester

- ARHS 2004 Modernism 4 semester hours
- ART Concentration Lower Division 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-19 semester hours

## Junior Year

### Fall Semester

- ARHS 3311 Pre-Columbian Art 4 semester hours or
- ARHS 3331 Arts of Africa 4 semester hours or
- ARHS 3341 Arts of Islam 4 semester hours or
- ARHS 4301 Arts of India 4 semester hours or
- ARHS 4303 Arts of China 4 semester hours or
- ARHS 4307 Arts of Japan 4 semester hours or

- ARHS 4998 Special Studies 1-4 semester hours (if a non-Western topic is to be studied)
- ART 397 Professional Practices in Fine Arts 3 semester hours
- ART Concentration Upper Division 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-18 semester hours

### Spring Semester

- ART Concentration Upper Division 3 semester hours
- ART Concentration Upper Division for Ceramics, Drawing/Painting, Photography 3 semester hours or
- ART Elective Upper Division for Printmaking 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

## Senior Year

### Fall Semester

- ART Elective Upper Division 3 semester hours
- ART Concentration Upper Division for Ceramics, Photography, Printmaking 3 semester hours or
- ART Elective Upper Division for Drawing/Painting 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

### Spring Semester

- ART 497 Senior Thesis in Fine Arts 3 semester hours (3 semester hours required)
- ART Concentration Upper Division for Drawing/Painting, Printmaking 3 semester hours or
- ART Elective Upper Division for Ceramics, Photography 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

## Note:

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

## Graphic Design Emphasis (GRPH)

Designers shape the way we see and understand the world by giving form to the objects, communications, and environments that make up our everyday experiences.

Through typography, image making, and visual storytelling, designers visualize the issues that permeate our society, and pose innovative solutions with the potential to affect change on a local, national, and global scale. At LMU, Graphic Design is integral to the liberal arts experience. We cultivate difference-makers who identify and explore the most pressing problems of our world. We believe the greatest potential for graphic design goes far beyond its history of service to consumerism. The ubiquity of design and its potential to transform our world has never been greater. As electronic media rapidly evolves, so does Design's ability to influence the quality of our lives. LMU's graphic designers take a passionate approach, promoting social justice and realizing societal change through social discourse and entrepreneurship.

### Major Requirements

#### Lower Division Requirements:

25 semester hours of lower division courses:

- ART 153 Drawing I 3 semester hours
- ART 154 Drawing II: Figure Drawing 3 semester hours or
- ART 257 Painting I 3 semester hours
- ART 160 Two-Dimensional Design 3 semester hours
- ART 260 Computer Graphics I 3 semester hours
- ART 275 Three-Dimensional Design 3 semester hours or
- ART 276 Ceramic Sculpture 3 semester hours
- ART 280 Photography I 3 semester hours
- ARHS 2000 Foundations of Western Art 4 semester hours or
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours or
- ARHS 2004 Modernism 4 semester hours
- ARHS 2510 Social Design 3 semester hours

#### Upper Division Requirements:

34 semester hours of upper division courses:

- ART 302 Design: Concept to Form 3 semester hours
- ART 303 Experimental Typography 3 semester hours
- ART 360 Graphic Design I 3 semester hours
- ART 368 Typography I 3 semester hours
- ART 460 Graphic Design II 3 semester hours
- ART 468 Typography II 3 semester hours
- ART 490 Senior Design Thesis 3 semester hours
- ARHS 3560 History of Design 3 semester hours
- and two courses from either **A. Intensive Professional Track** or **B. Interdisciplinary Track** (see below)

And one upper division non-Western Art History

- ARHS 3311 Pre-Columbian Art 4 semester hours
- ARHS 3331 Arts of Africa 4 semester hours
- ARHS 3341 Arts of Islam 4 semester hours
- ARHS 3351 Arts of Asia 4 semester hours
- ARHS 4301 Arts of India 4 semester hours
- ARHS 4303 Arts of China 4 semester hours
- ARHS 4307 Arts of Japan 4 semester hours
- ARHS 4998 Special Studies 1-4 semester hours (if a non-Western topic is to be studied)

#### a. Intensive Professional Track

This spectrum of studio electives is designed to broaden the outlook on the design professions. The following courses should be selected in consultation with an advisor:

- ART 362 Creative Direction 3 semester hours
- ART 367 Online Computer Arts 3 semester hours
- ART 374 Motion Graphics 3 semester hours
- ART 395 Design Entrepreneurship 3 semester hours
- ART 396 Design Praxis: Professional Practices in Design 3 semester hours
- ART 495 Advanced Studio Studies 1 TO 3 semester hours

#### b. Interdisciplinary Track

This spectrum of studio electives is designed to broaden the outlook on graphic design as an aesthetic practice. The following courses should be selected in consultation with an advisor:

- ART 355 Experiencing Art and Social Justice 3 semester hours
- ART 366 Multimedia Narratives 3 semester hours
- ART 382 Digital Photography 3 semester hours
- ART 388 Screen Printing 3 semester hours
- ART 453 Drawing III: Formal Issues 3 semester hours
- ART 480 Color Photography 3 semester hours

### Graphic Design Emphasis Model Four-Year Plan

#### Freshman Year

##### Fall Semester

- ART 153 Drawing I 3 semester hours
- ART 160 Two-Dimensional Design 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-18 semester hours

##### Spring Semester

- ART 154 Drawing II: Figure Drawing 3 semester hours or
- ART 257 Painting I 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-19 semester hours

## Sophomore Year

### Fall Semester

- ART 260 Computer Graphics I 3 semester hours or
- University Core 3-4 semester hours
  
- ART 302 Design: Concept to Form 3 semester hours
- ARHS 2510 Social Design 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

### Spring Semester

- ART 280 Photography I 3 semester hours
- ART 368 Typography I 3 semester hours
  
- ARHS 2000 Foundations of Western Art 4 semester hours or
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours or
- ARHS 2004 Modernism 4 semester hours
  
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-18 semester hours

## Junior Year

### Fall Semester

- ART 275 Three-Dimensional Design 3 semester hours or
- ART 276 Ceramic Sculpture 3 semester hours
  
- ART 360 Graphic Design I 3 semester hours
  
- ARHS 3560 History of Design 3 semester hours or University Core 3-4 semester hours
  
- ART Elective from Professional or Interdisciplinary Track 3 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

### Spring Semester

- ART 303 Experimental Typography 3 semester hours
- ART 468 Typography II 3 semester hours
- ART Elective from Professional or Interdisciplinary Track 3 semester hours
  
- ARHS 3311 Pre-Columbian Art 4 semester hours or
- ARHS 3331 Arts of Africa 4 semester hours or
- ARHS 3341 Arts of Islam 4 semester hours or
- ARHS 4301 Arts of India 4 semester hours or
- ARHS 4303 Arts of China 4 semester hours or

- ARHS 4307 Arts of Japan 4 semester hours or
- ARHS 4998 Special Studies 1-4 semester hours (if a non-Western topic is to be studied)

- Elective 3-4 semester hours

Total: 13-17 semester hours

## Senior Year

### Fall Semester

- ART 460 Graphic Design II 3 semester hours
  
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-19 semester hours

### Spring Semester

- ART 490 Senior Design Thesis 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-19 semester hours

### Note:

This represents a typical schedule. Actual course sequence and selection must be planned in consultation with an advisor.

## Multimedia Arts Emphasis (MTMA)

Students who elect a Multimedia emphasis are interested in a future of authoring and designing in a world of new media and emerging technologies. Courses are designed as dynamic portals into the areas of digital imaging and photography, interaction design and online experiences, motion graphics design, 3D scenarios, as well as audio-video production. The career outlook for multimedia arts students at Loyola Marymount University is very encouraging. The Multimedia Internship that students are required to take provides real-world experience with galleries, agencies, and production studios. Multimedia Arts students have the opportunity to hone in their creative and professional interests while having the flexibility of concentrating in the following areas: TEXT, IMAGE, SOUND, or MOTION.

## Major Requirements

### Lower Division Requirements:

22-24 semester hours of lower division courses:

- ART 160 Two-Dimensional Design 3 semester hours
- ART 182 Programming for Creative Applications 3 semester hours
- ART 260 Computer Graphics I 3 semester hours
- ARHS 2004 Modernism 4 semester hours
- ARHS 2540 Multimedia Art Survey 3 semester hours

Students choose a concentration in Text, Image, Sound, or Motion, then choose both lower and upper division courses from within that same concentration. In consultation with an advisor, students may select an individualized option in Multimedia Arts Concentrations.

Text:

- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ENGL 2201 Genres: Poetry *4 semester hours*
- ENGL 2202 Genres: Fiction *4 semester hours*
- SCWR 220 Beginning Screenwriting *3 semester hours*

Image:

- ART 153 Drawing I *3 semester hours*
- ART 154 Drawing II: Figure Drawing *3 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 280 Photography I *3 semester hours*
- PROD 180 Pre-Production *3 semester hours*
- PROD 200 Introduction to Film Production *3 semester hours*
- PROD 330 Media Innovation: Small Format Video and the Web *3 semester hours*
- PROD 250 Introduction to Television Production *3 semester hours*

Sound:

- MUSC 102 Enjoyment of Music *3 semester hours*
- MUSC 104 Fundamentals of Music *3 semester hours*
- MUSC 105 The Vocal Experience *3 semester hours*
- MUSC 106 The Guitar Experience *3 semester hours*
- MUSC 107 The Piano Experience *3 semester hours*
- RECA 250 Sound Design *3 semester hours*
- THEA 110 Beginning Acting *3 semester hours*
- THEA 210 Scene Study and Presentation *3 semester hours*

Motion:

- ANIM 120 Beginning Animation Workshop *3 semester hours*
- ANIM 220 Intermediate Animation Workshop *3 semester hours*
- ANIM 230 Introduction to 3-D Computer Animation *3 semester hours*
- ANIM 250 Introduction to Interactive Animation *3 semester hours*
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours*
- DANC 163 Introduction to Choreography *3 semester hours*
- PROD 180 Pre-Production *3 semester hours*
- PROD 200 Introduction to Film Production *3 semester hours*
- PROD 330 Media Innovation: Small Format Video and the Web *3 semester hours*
- PROD 250 Introduction to Television Production *3 semester hours*

Upper Division Requirements:

37 semester hours of upper division courses:

- ART 303 Experimental Typography *3 semester hours*
- ART 363 3D Digital Toolbox *3 semester hours*
- ART 366 Multimedia Narratives *3 semester hours*
- ART 367 Online Computer Arts *3 semester hours*
- ART 374 Motion Graphics *3 semester hours*
- ART 382 Digital Photography *3 semester hours*
- ART 383 Advanced Multimedia *3 semester hours*
- ART 494 Multimedia Internship *3 semester hours*
  
- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours* or
- ARHS 3560 History of Design *3 semester hours* or
- ARHS 4630 Contemporary Art *4 semester hours*

Choose two courses from one of the following concentrations:

Text, Image, Sound, or Motion below. In consultation with an advisor, students may select an Individualized option in Multimedia Arts concentrations.

Text:

- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours*
- ARHS 4640 Modern and Contemporary Art Criticism *4 semester hours*
- ARHS 3560 History of Design *3 semester hours*
- ART 360 Graphic Design I *3 semester hours*
- ART 362 Creative Direction *3 semester hours*
- ART 368 Typography I *3 semester hours*
- ENGL 4411 Fiction Writing Workshop: Narrative and Style *4 semester hours*
- ENGL 4412 Poetry Writing Workshop: Imagination *4 semester hours*
- SCWR 320 Intermediate Screenwriting *3 semester hours*
- THEA 400 Playwriting *3 semester hours*

Image:

- ART 356 Painting II *3 semester hours*
- ART 360 Graphic Design I *3 semester hours*
- ART 362 Creative Direction *3 semester hours*
- ART 368 Typography I *3 semester hours*
- ART 380 Photography II *3 semester hours*
  
- ART 453 Drawing III: Formal Issues *3 semester hours* or
- ART 454 Drawing IV: Figure Composition *3 semester hours*
  
- ART 480 Color Photography *3 semester hours*
- PROD 365 Cinematography *3 semester hours*
- PROD 366 Post-Production *3 semester hours*

Sound:

- MUSC 303 Introduction to World Music Cultures *3 semester hours*

- MUSC 304 Topics in World Music Cultures 3 semester hours
- RECA 393 Movie Music 3 semester hours
- RECA 398 Special Studies 1 TO 3 semester hours
- RECA 468 Advanced Post-Production Sound 3 semester hours
- RECA 498 Special Studies 1 TO 3 semester hours
- THEA 312 Voice Development 3 semester hours
- THEA 361 Acting: Method and Technique 3 semester hours

#### Motion:

- ANIM 310 Intermediate Storyboard 3 semester hours
- ANIM 320 Mechanics of Animation 3 semester hours
- ANIM 330 Intermediate 3-D Computer Animation 3 semester hours
- ANIM 450 Advanced Interactive Animation 3 semester hours
- ANIM 352 Game Design 3 semester hours
- ANIM 360 Character Design 3 semester hours
- ANIM 370 Character Animation 3 semester hours
- ANIM 380 Visual Effects 3 semester hours
- DANC 282 I Am, Therefore I Dance 3 semester hours
- DANC 397 World Dance 0 TO 2 semester hours
- PROD 365 Cinematography 3 semester hours
- PROD 366 Post-Production 3 semester hours

#### Recommended Courses

It is also recommended that the student take additional courses in Animation, Studio Arts, Art History, Communication Arts, and Computer Science.

#### Multimedia Arts Emphasis Model Four-Year Plan

##### Freshman Year

###### Fall Semester

- ART 160 Two-Dimensional Design 3 semester hours
- ART 182 Programming for Creative Applications 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

###### Spring Semester

- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-20 semester hours

##### Sophomore Year

##### Fall Semester

- ART 260 Computer Graphics I 3 semester hours
- ARHS 2004 Modernism 4 semester hours
- Concentration (Lower Division) 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-18 semester hours

##### Spring Semester

- ARHS 2540 Multimedia Art Survey 3 semester hours
- Concentration (Lower Division) 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

##### Junior Year

###### Fall Semester

- ART 366 Multimedia Narratives 3 semester hours
- ARHS 3540 Social and Aesthetic History of Photography 3 semester hours or
- ARHS 3560 History of Design 3 semester hours or
- ARHS 4630 Contemporary Art 4 semester hours
- Concentration (Upper Division) 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

###### Spring Semester

- ART 374 Motion Graphics 3 semester hours
- ART 382 Digital Photography 3 semester hours
- Concentration (Upper Division) 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

##### Senior Year

###### Fall Semester

- ART 303 Experimental Typography 3 semester hours
- ART 363 3D Digital Toolbox 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

###### Spring Semester

- ART 367 Online Computer Arts 3 semester hours

- ART 383 Advanced Multimedia 3 semester hours
- ART 494 Multimedia Internship 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

Note:

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

### Art History Minor

#### Minor Requirements (ARHS)

20 semester hours, including:

- ARHS 2000 Foundations of Western Art 4 semester hours
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 semester hours
- ARHS 2004 Modernism 4 semester hours
- At least 2 upper division Art History courses selected under the direction of an advisor in the department.

Required:

A total number of 20 semester hours is required for the Art History minor. To meet the total number of required semester hours, students may need to take an additional upper division art history elective.

Recommended:

- ARHS 4800 Junior/Senior Seminar in Art History 4 semester hours
- Upper Division ARHS course in non-Western Art (ARHS 33xx or ARHS 43xx) 4 semester hours

### Studio Arts Minor

#### Minor Requirements

18 semester hours:

- ART 153 Drawing I 3 semester hours or
- ART 160 Two-Dimensional Design 3 semester hours
- 15 semester hours of Studio Arts electives with at least 6 semester hours in upper division courses.

### Communication Studies

#### Faculty

Chairperson: Michele L. Hammers

Professors: Bryant Keith Alexander, Michele L. Hammers, Abhik Roy, Dean Scheibel, Philip C. Wander (President's Professor)  
Associate Professors: Paige Pettyjohn Edley, Patricia Oliver, Kyra L. Pearson, Nina Maria Reich, Craig O. Rich

Assistant Professors: Chaun M. Anderson, Christopher J. Finlay, Jason Leigh Jarvis, Meng Li, Allison N. Soeller

Clinical Professors: Judy Battaglia, James Bunker, Thomas Dowd, Charmaine Kaimikaua, Kathleen Norris

#### Mission

The Communication Studies Department provides students from across the LMU community with the communication competencies

necessary to pursue their personal, professional, and civic goals. Our faculty and students examine how messages and meanings are produced, interpreted, and consumed. In particular, our program rigorously engages the following:

- The production and evaluation of communication messages,
- The role of communication in shaping the performance of identity and community,
- The processes and technologies by which people relate to and collaborate with each other, and
- The importance of principled advocacy across our personal, professional and public lives.

Throughout all aspects of our program, we encourage self-reflection and critical engagement with disciplinary subject matter and contemporary social and political events at the local and global level. We encourage our students and faculty to nurture personal habits of lifelong learning and service.

In addition, our students and faculty produce scholarship that advances our knowledge of human communication, enhances the quality of public deliberation, and bridges the gap between our curriculum and real world experiences. To serve these goals, the Communication Studies Department creates an environment where students and faculty pursue scholarship, community engagement, and leadership in civic, corporate, and international arenas.

Finally, we develop students' professional competencies and enable them to maximize their post-graduation opportunities for career development. In seeing professional development as a shared responsibility, students are empowered to cultivate their communication skills outside of the classroom through engaged forms of learning and professional development.

### Communication Studies, B.A.

#### Student Learning Outcomes

Upon completing the Communication Studies degree, students will be able to:

1. Demonstrate subject matter knowledge of the communication studies discipline, including:
  - The history of the discipline;
  - The nature of theory and its role in the study and practice of human communication; and
  - The foundational theoretical concepts from multiple sub-disciplines within the major.
2. Express ideas and relay information using conventions and forms appropriate to the intended audience.
3. Test or generate new knowledge using research methods appropriate to the communication studies discipline.
4. Articulate the relationship among disciplinary subject matter, research methodologies and one or more non-academic contexts.
5. Demonstrate the value of multiple theoretical, pedagogical, and socio-cultural perspectives.
6. Collaborate effectively and ethically in group problem-solving and decision-making situations.
7. Demonstrate and value respectful engagement with individual and group differences in interactions with all others.
8. Apply ethical standard to communication practices across multiple contexts.
9. Apply communication principles in service of justice for self, others, and society.
10. Innovate, justify, and enact solutions based on: inquiry, discernment, evidence, and analysis.

11. Demonstrate and value the pursuit of ethical actions through critical reason and reflection.
12. Demonstrate and value a self-reflexive approach to the study and practice of communication.

## Potential Career Pathways

A degree in Communication Studies (CMST) from Loyola Marymount University provides students with the opportunity to develop essential skills—Writing, Oral Communication, Critical Thinking, and Teamwork—that are in high demand in today's challenging and ever-changing world.

CMST students take a variety of courses that allow for both depth and breadth of study. We feature a rigorous Internship Practicum course for our juniors and seniors. CMST students often pursue minors in fields such as business, journalism, political science, or the arts to complement their CMST coursework.

With careful academic planning, CMST graduates are prepared for a variety of entry-level positions emphasizing both internal and external communication management across corporate, nonprofit, and/or public fields.

Below are a few of those fields:

- Campaign Strategy
- Corporate and Non-profit Communication
- Social Media Management
- Training and Development
- Development/Fundraising
- Human Resources
- Public Relations, Advertising, Sales, and Marketing

Our graduates often successfully pursue additional education, including advanced degrees, in a variety of academic fields. These fields include:

- Communication Studies and related fields
- Mediation/Conflict Resolution
- Media Studies
- Education
- Law
- Business

## Major Requirements: (44 semester hours) (CMST)

### Lower Division Requirements:

(24 semester hours of lower division coursework)

- CMST 1600 Nature of Theory *4 semester hours*
- CMST 1700 Nature of Inquiry *4 semester hours*
- CMST 2800 Advanced Public Communication *4 semester hours*

Three of the following five (3 of 5) courses:

- CMST 2100 Relational Communication *4 semester hours*
- CMST 2200 Intercultural Communication *4 semester hours*
- CMST 2300 Organizational Communication *4 semester hours*
- CMST 2400 Contemporary Rhetorical Theory *4 semester hours*
- CMST 2500 Media Studies *4 semester hours*

### Upper Division Requirements:

(20 semester hours of upper division coursework)

Four (4) advanced topics courses selected from among a list of approved 3000-level courses:

CMST 3100-3195, CMST 3200-3295, CMST 3300-3395, CMST 3400-3495, CMST 3500-3595, CMST 3600-3695, CMST 3700-3795, CMST 3800-3895. *4 semester hours each course*

[Course offerings and topics will vary each semester]

One (1) Senior Capstone course from among a list of approved 4000-level courses:

CMST 4100-4195, CMST 4200-4295, CMST 4300-4395, CMST 4400-4495, CMST 4500-4595, CMST 4700-4795. *4 semester hours.*

[Course offerings and topics will vary each semester.]

Note:

The department does offer additional courses that count as University Electives but do not satisfy CMST major requirements. Students should select courses carefully to ensure that all major requirements are being met.

## Communication Studies Model Four-Year Plan

### Freshman Year

#### Fall Semester

- CMST 1600 Nature of Theory *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours (see Note 1)

#### Spring Semester

- CMST 1700 Nature of Inquiry *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours* or  
Lower Division Elective *3-4 semester hours*

Total: 13-16 semester hours (see Note 1)

### Sophomore Year

#### Fall Semester

- CMST 2800 Advanced Public Communication *4 semester hours* or
- CMST 2X00 *4 semester hours* (see Note 2)
- CMST 2X00 *4 semester hours* (see Note 2)
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours (see Note 1)

## Spring Semester

- CMST 2800 Advanced Public Communication 4 semester hours or
- CMST 2X00 4 semester hours (see Note 2)
  
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Lower Division Elective 3-4 semester hours

Total: 13-16 semester hours (see Note 1)

## Junior Year

### Fall Semester

- CMST 2X00 4 semester hours (see Note 2)
- CMST 3XXX 4 semester hours (see Note 3)
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours (see Note 1)

### Spring Semester

- CMST 3XXX 4 semester hours (see Note 3)
- CMST 3XXX 4 semester hours (see Note 3)
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours (see Note 1)

## Senior Year

### Fall Semester

- CMST 3XXX 4 semester hours (see Note 3) or
- CMST 4XXX 4 semester hours (see Note 4)
  
- University Core 3-4 semester hours or
- Upper Division Elective 3-4 semester hours
  
- University Core 3-4 semester hours or
- Upper Division Elective 3-4 semester hours
  
- University Core 3-4 semester hours or
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours (see Note 1)

### Spring Semester

- CMST 3XXX 4 semester hours (see Note 3) or
- CMST 4XXX 4 semester hours (see Note 4)
  
- University Core 3-4 semester hours or
- Upper Division Elective 3-4 semester hours
  
- University Core 3-4 semester hours or
- Upper Division Elective 3-4 semester hours
  
- University Core 3-4 semester hours or

- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours (see Note 1)

## Notes

This is a sample schedule. The sequence of courses may vary slightly among students and students are expected to consult with their academic advisors each semester.

### Note 1:

Students are required to take a total of 124 semester hours to complete their degree in Communication Studies. Because semester hours for courses may vary, students should work closely with their academic advisor to ensure that they take an average of 16 hours a semester across all semesters. In some semesters students may need to take an additional course or courses.

### Note 2:

Students are required to take three (3) courses from the following list: CMST 2100, CMST 2200, CMST 2300, CMST 2400, or CMST 2500.

### Note 3:

Students are required to take four (4) courses from the following list: CMST 3100-3195, CMST 3200-3295, CMST 3300-3395, CMST 3400-3495, CMST 3500-3595, CMST 3600-3695, CMST 3700-3795, CMST 3800-3895.

### Note 4:

Students are required to select a Senior Capstone Course from the following list: CMST 4100-4195, CMST 4200-4295, CMST 4300-4395, CMST 4400-4495, CMST 4500-4595, CMST 4700-4795.

## Interdisciplinary Applied Programs

### Director

Dean Scheibel

### Objectives

The philosophy of Interdisciplinary Applied Programs (IDAP) rests on the premise that students should receive a broad education that combines creativity and scholarly activity. IDAP deepens students' intellectual and professional preparation for careers.

IDAP provides for the acquisition of knowledge and skills that will allow students to explore potential careers in Public Relations and related fields. Historical and theoretical knowledge informs the acquisition of practical skills, which includes writing, speaking, analyzing, strategizing and planning, using a mix of traditional and social media. The knowledge and skills will allow students to ethically communicate to a variety of audiences and publics within interpersonal, group, organizational, regional, national, and global contexts. IDAP offers a sequence of courses and includes internships in the specific field of interest.

### Marital and Family Therapy

### Faculty

Chairperson: Einat MetzI

Professor: Debra Linesch

Associate Professor: Einat MetzI

Assistant Professors: Anthony Bodlovic, Louvenia Jackson

Associate Clinical Professor: Paige Asawa

Practicum Coordinator: Kathleen Fogel-Richmond

### Contact Information

**Office Location:** University Hall, Suite 2500

**Telephone:** 310.338.4562

**Fax:** 310.338.4518

## Mission Statement

The Graduate Department of Marital and Family Therapy offers a graduate program leading to a Master of Arts in Marital and Family Therapy. In addition to State of California required curriculum in traditional marital and family therapy coursework, the program is augmented with art therapy coursework. The department provides its graduates with comprehensive training in both verbal and nonverbal modalities. The structure of the program begins with the foundational marital and family therapy coursework, teaching sound theoretical understandings as well as a variety of clinical strategies, including art therapy as a modality. Additional coursework focuses on the art therapy process providing graduates with training in clinical art therapy and giving them breadth and skill in a nonverbal modality.

The Department trains clinicians to work in facilities providing psychological therapeutic services such as: community mental health centers, family counseling agencies, psychiatric hospitals, general hospitals, therapeutic and public schools, residential treatment facilities, drug, alcohol and rehabilitation centers.

The Department provides two- and three-year programs of rigorous academic work combined with two clinical internships of approximately 840 hours and 420 hours of direct client contact.

Initiated at Immaculate Heart College in 1974, the Department moved to Loyola Marymount in 1980. It encourages well-trained, traditionally grounded marital and family therapists who can expertly utilize art therapy within their clinical work. This philosophy effectively facilitates the comprehensive successes of our graduates within the systems that deliver mental health services in our communities.

The curriculum is designed to meet all the academic requirements established by the State of California's Board of Behavioral Sciences for the M.F.T. license. The core curriculum and the additional training in art therapy allow the graduate to apply for registration with the American Art Therapy Association.

## Admission Requirements

- A Bachelor's degree from an accredited institution with a GPA of 3.0 ("B") average or higher
- Prerequisites in Psychology and Studio Art
  1. A minimum of eighteen (18) semester hour credits (or twenty-seven [27] quarter-hour credits) of study in studio art which demonstrates proficiency and disciplined commitment in art making
  2. A minimum of twelve (12) semester hours credits (or [18] quarter-hour credits) of study in psychology, which must include developmental psychology and abnormal psychology
- An application with a \$50 application fee.
- Satisfactory score on the Miller Analogies Test (MAT)
- Autobiography with emphasis on personal life experiences rather than educational or occupational information
- Portfolio of art work
- Two (2) letters of recommendation
- Video interview followed by a second interview on the LMU campus
- A \$250 deposit must accompany your letter of acceptance within 21 days of notification by the University of your admittance into the program. The deposit is applied toward tuition and is non-refundable.
- Admission is on a rolling basis

## Marital and Family Therapy, M.A.

## Student Learning Outcomes

Graduates of the Department of Marital and Family Therapy should know:

- A broad theoretical basis for the practice of art psychotherapy
- The complex societal culture in which they are engaging
- The legal and professional responsibilities of the licensed practicing psychotherapist.

Graduates of the Department of Marital and Family Therapy should be able to:

- Advance to professional engagement in the mental health community
- Describe individual and family dynamics according to the theory and concepts of the discipline of marriage and family therapy
- Delineate short-term and long-term psychotherapeutic goals and develop treatment plans
- Synthesize the art therapy modality with traditional theoretical approaches and use a variety of techniques and interventions to achieve systemic change
- Present case material in verbal and written form at a professional level
- Work with others from varied and diverse perspectives
- Engage in critical scholarly discourse in the field of art psychotherapy.

Graduates of the Department of Marital and Family Therapy are encouraged to value:

- An increasing commitment to change as part of the psychotherapeutic and artistic process
- The ongoing development of multicultural competencies
- Engagement with the community in the service of social justice.

## Program Requirements

The Master of Arts degree will be granted upon satisfactory completion of a minimum of 60 semester hours. A total of eleven practicum semester hours are applied towards the required total semester hours of credit. The internship fulfills a minimum of up to 840 hours with 420 direct client contact hours. The internship includes a minimum of two hours a week of supervision. This is provided by licensed psychotherapists who are approved by Loyola Marymount University.

Students enrolled in the full-time day Master of Arts in Marital and Family Therapy program will complete the degree requirements in two years. A three-year day program is also available.

Students are required to maintain a "B" (3.0) grade point average in both classroom and internship tracks.

The Department takes seriously its role in the training of therapists. The personality as well as the intellectual capability of each student is carefully evaluated. In light of this, a student may be disqualified from the program for factors other than grades.

Students are highly recommended to receive personal psychotherapy during the first two semesters in the program.

Faculty members are practicing clinicians. The courses they teach are directly related to their work experience and area of expertise.

## Course Work Sequence

## First Semester (Fall)

- MFTH 600 Art Therapy Literature and Assessment 2 semester hours \*
- MFTH 601 Art Therapy Explorations 2 semester hours \*
- MFTH 602 Fundamentals of Marriage/Family Systems 2 semester hours
- MFTH 604 Child Psychotherapy: Theory and Practice 2 semester hours
- MFTH 609 Introduction to Mental Health Services 2 semester hours
- MFTH 615 Group Psychotherapy: Theory and Practice 2 semester hours
- MFTH 638 Psychopathology 2 semester hours
- MFTH 640 Psychological Tests 2 semester hours

Total: 16 semester hours

## Second Semester (Spring)

- MFTH 606 Adolescent Psychotherapy: Theory and Practice 2 semester hours
- MFTH 608 Theories of Marriage and Family Therapy 2 semester hours
- MFTH 610 Adult Psychotherapy 2 semester hours
- MFTH 611 Drug and Alcohol Treatment 1 semester hour
- MFTH 612 Marriage and Family Psychotherapy: Issues and Applications 2 semester hours
- MFTH 617 Practicum/Supervision I 3 semester hours
- MFTH 680 Marriage and Family Therapy Observation 2 semester hours
- MFTH 689 Introduction to Research 1 semester hour

Total: 15 semester hours

## Summer Session I

- MFTH 639 Psychopharmacology 2 semester hours
- MFTH 641 Aging and Long-Term Care 1 semester hour
- MFTH 642 Trauma Theory and Treatment 2 semester hours

Total: 5 semester hours

## Third Semester (Fall)

- MFTH 618 Practicum/Supervision II 4 semester hours
- MFTH 621 Cultural Issues in Marital and Family Therapy 1 TO 3 semester hours
- MFTH 630 Marital and Family Therapy: Clinical Studies 2 TO 3 semester hours
- MFTH 691 Research Methodology 3 semester hours

Total: 13 semester hours

## Fourth Semester (Spring)

- MFTH 613 Assessment and Intervention of Intimate Partner Violence 1 semester hour
- MFTH 616 Human Sexuality 1 semester hour

- MFTH 619 Practicum/Supervision III 4 semester hours
- MFTH 690 Seminar: Professional Ethics 2 semester hours
- MFTH 696 Research/Clinical Paper 3 semester hours

Total: 11 semester hours

Total: 60 semester hours

\* Clinical art therapy specialized courses

## Summer Study Abroad in Mexico

The Graduate Department of Marital and Family Therapy has established a summer Study Abroad program in San Miguel de Allende, Mexico. While obtaining a master's degree at LMU, students are encouraged to attend the summer program at which they are able to fulfill degree requirements, broaden their appreciation for issues of culture and, specifically, the Mexican culture. Classes available are MFTH 620, MFTH 622, and MFTH 629. These summer units can be counted toward Fall classes MFTH 621 and MFTH 630.

## Music

### Faculty

Chairperson: Mark Saya

Professors: Mary C. Breden, Paul W. Humphreys, Mark Saya, Virginia Saya

Clinical Assistant Professors: Wojciech Kocyan, Martha Masters

### Music, B.A.

## Objectives

The purpose of the Department of Music is to provide quality music instruction both for students who wish to pursue music as a career and for students who wish to enrich their lives through non-career oriented study and performance. Students and faculty work together to foster aesthetic involvement and creative and scholarly inquiry that support a vital community of music learning. Instruction emphasizes a personal approach. Through the presentation of diverse musical programs, the department also sustains and enriches the cultural vitality of the University and its surrounding communities. The work of the department further supports the goals of Jesuit and Marymount education by strengthening the socializing influence of music both within the University and the world at large.

The Department of Music offers the Bachelor of Arts in Music degree, the requirements of which can serve as an excellent foundation for students undertaking advanced studies in preparation for such careers as musicology, composition, ethnomusicology, music librarianship, and pedagogy-oriented teaching. In addition to meeting all general University admissions requirements, students who wish either to major or minor in Music must meet specific Department of Music entrance requirements.

Loyola Marymount University and the Department of Music are accredited by the National Association of Schools of Music.

## Student Learning Outcomes

Students majoring in Music should be able to:

- Develop physical coordination and technical skills required for specific musical activities (conducting, singing, instrumental performance)
- Apply essential principles of music theory and form to the study and evaluation of musical scores (critical skills)

- Display familiarity with musical notation in performance and original composition (creative skills).

Students majoring in Music should know:

- The historical evolution of Western music as evidenced by style periods, performance practices, and representative composers and their works
- The varieties of music as a cultural phenomenon seen in its interrelationship with belief systems, life-ways, and language.

Students majoring in Music are presented with the opportunity to value:

- The power of music as an expression and reflection of human emotion and responsiveness
- The experience of aesthetic engagement that allows for deep identification with music
- The synthesis of perspectives—physical, technical, analytical, historical—that leads to a cultured musical sensibility and artistic performance.

## Admission to the Major and Minor

An audition in an applied emphasis (guitar, drum set, piano, strings, voice) is required before admission to the major or minor. Audition requirements appropriate to each emphasis (instrumental or voice) are available on-line and from the administrative office (Burns 103) of the Department of Music.

## Retention in the Major

The following standards must be met by majors in the Department of Music:

A grade of B (3.0) or better in:

- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hour*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hour*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hour*

A grade of C (2.0) or better in:

- MUSC 122 Music Theory and Form II *3 semester hours* in order to advance to
- MUSC 221 Music Theory and Form III *3 semester hours*

## Foreign Language Requirement

One semester of foreign language selected from the following:

- ITAL 2101 Italian 1 *4 semester hours* or
- GRMN 2101 German 1 *4 semester hours* or
- FREN 2101 French 1 *4 semester hours*

**Note:**

The language option selected may be taken for Credit/No Credit grading but requires the approval of the Chairperson and the applied emphasis instructor.

## Music Major Curriculum (MUSC)

*48 Semester Hours (plus Foreign Language Requirement)*

## General Requirements

## 38 Semester Hours

- MUSC 101 Studio Class *0 semester hours* (4 semesters)<sup>\*/\*\*</sup>
- MUSC 121 Music Theory and Form I *3 semester hours* \*
- MUSC 122 Music Theory and Form II *3 semester hours* \*\*
- MUSC 133 Aural Skills I *1 semester hour* \*
- MUSC 134 Aural Skills II *1 semester hour* \*\*
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hour* \*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hour* \*\*
- MUSC 221 Music Theory and Form III *3 semester hours*
- MUSC 222 Music Theory and Form IV *3 semester hours*
- MUSC 235 Instrumentation *2 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hour*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hour*
- MUSC 303 Introduction to World Music Cultures *3 semester hours*
- MUSC 316 Music History: Antiquity to 1600 *3 semester hours*
- MUSC 317 Music History: 1600-1820 *3 semester hours*
- MUSC 318 Music History: 1820 to Present *3 semester hours*
- MUSC 332 Choral Conducting *2 semester hours* or
- MUSC 333 Instrumental Conducting *2 semester hours*

## Applied Emphasis Ensemble(s)

- MUSC 454 World Music Ensembles I *0 OR 1 semester hour* or
- MUSC 455 World Music Ensembles II *0 OR 1 semester hour* or
- MUSC 490 Chamber Orchestra *0 OR 1 semester hour* or
- MUSC 491 Consort Singers *0 OR 1 semester hour* or
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hour* \*\*\* or
- MUSC 493 Women's Chorus *0 OR 1 semester hour* or
- MUSC 495 Concert Choir *0 OR 1 semester hour*

**Note:**

*\* must be taken concurrently*

*\*\* must be taken concurrently*

*\*\*\* includes guitar, string, piano, and percussion ensembles*

## Concentration Requirements

### *12 Semester Hours/Upper Division Music*

With the approval of the director of the Concentration, all music majors must declare and complete an upper division Concentration. It is possible to complete two Concentrations with the approval of an academic advisor and the department chairperson. In order to fulfill a double Concentration, the student must take all classes required in each of the selected Concentrations. Music courses fulfilling one Concentration may not be used to satisfy the requirements of a second Concentration.

## Instrumental Studies (INIS)

Required Courses:

- MUSC 310 Instrumental Pedagogy *3 semester hours*
- MUSC 344 Alexander Technique *2 semester hours*
- MUSC 450 Senior Project/Recital *1 semester hour*

Additional 6 semester hours selected from the following:

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hour*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hour*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hour* (Guitar, String, Chamber and/or Percussion; enroll in 1 semester hour; repeatable)

Vocal Studies (VOVS)

Required Courses:

- MUSC 341 Vocal Pedagogy *3 semester hours*
- MUSC 344 Alexander Technique *2 semester hours*
- MUSC 450 Senior Project/Recital *1 semester hour*

Additional 6 semester hours selected from the following:

- MUSC 340 Diction for Singers I *1 semester hour*
- MUSC 342 Diction for Singers II *1 semester hour*
- MUSC 343 Opera Scenes/Workshop *1 TO 2 semester hours* (repeatable)
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hour*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hour*
- MUSC 491 Consort Singers *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)
- MUSC 493 Women's Chorus *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)

Theory/Composition (INTC or VOTC)

Required Courses:

- MUSC 319 Analytic Techniques *3 semester hours* or
- MUSC 322 Modal Counterpoint *3 semester hours* or
- MUSC 323 Tonal Counterpoint *3 semester hours*
- MUSC 387 Music Composition I *1 semester hour*
- MUSC 454 World Music Ensembles I *0 OR 1 semester hour* (enroll in 1 semester hour)
- MUSC 496 Theory Placement Practicum *0 TO 2 semester hours* (enroll in 2 semester hours)

Additional 5 semester hours selected from the following:

- MUSC 365 History of Jazz *3 semester hours*

- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hour* (repeatable)\*
- MUSC 388 Music Composition II *1 semester hour*
- MUSC 396 Sociology of Music *3 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)
- MUSC 487 Music Composition III *1 semester hour*
- MUSC 488 Music Composition IV *1 semester hour*
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hour* (Percussion only; enroll in 1 semester hour; repeatable)

Note:

\* Piano for non-pianists; choice of other instrument or voice for pianists.

Note:

A grade of B+ (3.3) or above in the four semesters of Music Theory & Form (MUSC 121, MUSC 122, MUSC 221, MUSC 222) is required to be considered for admission to the Theory/Composition Concentration.

Music History/Literature (INMH or VOMH)

Required Courses:

- MUSC 319 Analytic Techniques *3 semester hours* or
- MUSC 322 Modal Counterpoint *3 semester hours* or
- MUSC 323 Tonal Counterpoint *3 semester hours*
- MUSC 412 Pre-Renaissance and Renaissance Music *3 semester hours* or
- MUSC 413 Music of Baroque *3 semester hours* or
- MUSC 414 Music of the Classical Era *3 semester hours* or
- MUSC 415 Music of the Romantic Age *3 semester hours* or
- MUSC 416 Music of the Twentieth-Century Era *3 semester hours*
- MUSC 497 Musicology Placement Practicum *0 OR 1 semester hour*

Additional 5 semester hours selected from the following:

- MUSC 343 Opera Scenes/Workshop *1 TO 2 semester hours* (repeatable)
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hour*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hour*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hour*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)
- MUSC 491 Consort Singers *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hour* (enroll in 1 semester hour; repeatable)

- MUSC 493 Women's Chorus 0 OR 1 semester hour (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir 0 OR 1 semester hour (enroll in 1 semester hour; repeatable)

Note:

A grade of A- (3.7) or above in MUSC 316, MUSC 317, and MUSC 318 is required to be considered for admission to the Music History/Literature Concentration.

### World Music/Ethnomusicology (INWM or VOWM)

Required Courses:

- MUSC 304 Topics in World Music Cultures 3 semester hours
- MUSC 407 Research and Methods in Ethnomusicology 1 semester hour
- MUSC 454 World Music Ensembles I 0 OR 1 semester hour (enroll in 1 semester hour)
- MUSC 455 World Music Ensembles II 0 OR 1 semester hour (enroll in 1 semester hour)

Additional 6 semester hours selected from the following:

- MUSC 365 History of Jazz 3 semester hours
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 396 Sociology of Music 3 semester hours
- MUSC 455 World Music Ensembles II 0 OR 1 semester hour (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour

Note:

A grade of B+ or above in MUSC 303 is required to be considered for admission to the World Music/Ethnomusicology Concentration.

### Conducting (INCD or VOCD)

Required Courses:

- MUSC 328 Choral Methods I 2 semester hours or
- MUSC 330 Score Reading I 2 semester hours
- MUSC 332 Choral Conducting 2 semester hours \* or
- MUSC 333 Instrumental Conducting 2 semester hours \*
- MUSC 432 Advanced Choral Conducting 2 semester hours or
- MUSC 433 Advanced Instrumental Conducting 2 semester hours
- MUSC 445 Choral Practicum 1 semester hour or
- MUSC 446 Orchestral Techniques Practicum 1 semester hour

Additional 5 semester hours selected from the following:

- MUSC 307 Choral Literature 3 semester hours
- MUSC 308 Orchestral Literature 3 semester hours
- MUSC 331 Score Reading II 2 semester hours
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 490 Chamber Orchestra 0 OR 1 semester hour (enroll in 1 semester hour; repeatable)
- MUSC 491 Consort Singers 0 OR 1 semester hour (enroll in 1 semester hour; repeatable)
- MUSC 493 Women's Chorus 0 OR 1 semester hour (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir 0 OR 1 semester hour (enroll in 1 semester hour; repeatable)

Note:

\* Students in this Concentration take one of these courses as a general music requirement and the other as a Concentration requirement.

Note:

A grade of A- (3.7) or above in MUSC 332 or MUSC 333 (when taken as a general music requirement) is required to be considered for admission to the Conducting Concentration.

### Applied Music

*Individual Instructions*

#### Music Major/Minor

Individual instruction (Guitar, Percussion, Piano, Strings, and Voice)

Music majors are required to complete a minimum of four semesters, and Music minors two semesters, of individual instruction in the following emphasis areas:

Major: 4 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice 1 semester hour
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice 1 semester hour

Minor: 2 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour

Private applied lessons requirements

Each semester hour of earned credit in private applied lessons requires the following:

1. One 50-minute private lesson weekly (total 14)
2. Enrollment in MUSC 101 Studio Class
3. Minimum of one (1) Studio Class performance per semester
4. End of semester performance jury

#### Private applied lessons eligibility

Only students who have been officially accepted through audition and declared music majors or minors by the Department of Music may enroll in private applied lessons.

No applied music fee is required.

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice 1 semester hour
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice 1 semester hour
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour

#### Practice room facilities

Practice room facilities (free of charge) are available to all applied music students enrolled for credit.

#### Applied music course repeatability

Applied music courses are repeatable for credit. Majors who wish to continue credit enrollment beyond minimum requirements may enroll in the subsequent offerings.

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour

#### Music Non-Major/Non-Minor

Individual instruction (Guitar, Percussion, Piano, Strings, Winds, and Voice)

Individual instruction is available in Guitar, Percussion, Piano, Strings, Winds, and Voice. Permission of professor required.

There is an applied music fee of \$460.00 per semester for fourteen 30-minute weekly lessons. Applied music courses are repeatable for credit.

- MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour

- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour

#### Class instruction (Voice, Guitar, Piano)

Class instruction is available in voice, guitar, and piano for students at the beginning level.

- MUSC 105 The Vocal Experience 3 semester hours
- MUSC 106 The Guitar Experience 3 semester hours
- MUSC 107 The Piano Experience 3 semester hours

All of these courses fulfill Explorations: Creative Experience in the University Core. MUSC 107 requires a \$15 lab fee for keyboard/headset upkeep.

#### Ensembles

##### Music Major/Minor

Music majors are required to complete four semesters, and Music minors two semesters, of active participation in an ensemble appropriate to the area of individual instruction emphasis.

##### Music Non-Major/Non-Minor

Membership is open to all students and the University community on audition-after-enrollment basis.

- MUSC 454 World Music Ensembles I 0 OR 1 semester hour
- MUSC 455 World Music Ensembles II 0 OR 1 semester hour
- MUSC 490 Chamber Orchestra 0 OR 1 semester hour
- MUSC 491 Consort Singers 0 OR 1 semester hour
- MUSC 492 Chamber Music Ensembles 0 OR 1 semester hour\*
- MUSC 493 Women's Chorus 0 OR 1 semester hour
- MUSC 495 Concert Choir 0 OR 1 semester hour

Note:

\* Includes guitar, string, piano, and percussion ensembles. These classes are repeatable for credit.

#### Music Model Four-Year Plan

##### Freshman Year

##### Fall Semester

- MUSC 101 Studio Class 0 semester hours
- MUSC 121 Music Theory and Form I 3 semester hours
- MUSC 133 Aural Skills I 1 semester hour
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC Ensemble 1 semester hour
- FREN 2101 French 1 4 semester hours or
- GRMN 2101 German 1 4 semester hours or
- ITAL 2101 Italian 1 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

- University Core 3-4 semester hours

Total: 16-18 semester hours

### Spring Semester

- MUSC 101 Studio Class 0 semester hours
- MUSC 122 Music Theory and Form II 3 semester hours
- MUSC 134 Aural Skills II 1 semester hour
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC Ensemble 1 semester hour
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-18 semester hours

### Sophomore Year

#### Fall Semester

- MUSC 101 Studio Class 0 semester hours
- MUSC 221 Music Theory and Form III 3 semester hours
- MUSC 235 Instrumentation 2 semester hours
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice 1 semester hour
- MUSC Ensemble 1 semester hour
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-19 semester hours

#### Spring Semester

- MUSC 101 Studio Class 0 semester hours
- MUSC 222 Music Theory and Form IV 3 semester hours
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice 1 semester hour
- MUSC 316 Music History: Antiquity to 1600 3 semester hours
- MUSC Ensemble 1 semester hour
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

### Junior Year

#### Fall Semester

- MUSC 317 Music History: 1600-1820 3 semester hours
- MUSC 303 Introduction to World Music Cultures 3 semester hours
- MUSC 332 Choral Conducting 2 semester hours or
- MUSC 333 Instrumental Conducting 2 semester hours
- University Core 3-4 semester hours

- University Core 3-4 semester hours
- Upper Division Elective 2 semester hours

Total: 16-18 semester hours

### Spring Semester

- MUSC 318 Music History: 1820 to Present 3 semester hours
- MUSC Upper Division Concentration 2 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-17 semester hours

### Senior Year

#### Fall Semester

- MUSC Upper Division Concentration 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective Non-Music 3-4 semester hours
- Elective 3-4 semester hours
- Elective 2 semester hours

Total: 15-18 semester hours

#### Spring Semester

- MUSC Upper Division Elective 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 2 semester hours

Total: 15-18 semester hours

#### Note:

*This Four-Year Plan is only a model. Some music course scheduling will vary due to the departmental rotation of classes.*

#### Music Minor

#### Admission to the Major and Minor

An audition in an applied emphasis (guitar, drum set, piano, strings, voice) is required before admission to the major or minor. Audition requirements appropriate to each emphasis (instrumental or voice) are available on-line and from the administrative office (Burns 103) of the Department of Music.

#### Foreign Language Requirement

One semester of foreign language selected from the following:

- ITAL 2101 Italian 1 4 semester hours or
- GRMN 2101 German 1 4 semester hours or
- FREN 2101 French 1 4 semester hours

#### Note:

The language option selected may be taken for Credit/No Credit grading but requires the approval of the Chairperson and the applied emphasis instructor.

## Music Minor Curriculum (MUSC)

### 21 Semester Hours (Plus Foreign Language Requirement)

- MUSC 101 Studio Class 0 semester hours (2 semesters)
- MUSC 121 Music Theory and Form I 3 semester hours \*
- MUSC 122 Music Theory and Form II 3 semester hours \*\*
- MUSC 133 Aural Skills I 1 semester hour \*
- MUSC 134 Aural Skills II 1 semester hour \*\*
- MUSC 316 Music History: Antiquity to 1600 3 semester hours
- MUSC 317 Music History: 1600-1820 3 semester hours
- MUSC 318 Music History: 1820 to Present 3 semester hours
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour \*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour \*\*
- Applied Emphasis Ensemble(s) 2 semester hours \*/\*\*
  
- MUSC 454 World Music Ensembles I 0 OR 1 semester hour or
- MUSC 455 World Music Ensembles II 0 OR 1 semester hour or
- MUSC 490 Chamber Orchestra 0 OR 1 semester hour or
- MUSC 491 Consort Singers 0 OR 1 semester hour or
- MUSC 492 Chamber Music Ensembles 0 OR 1 semester hour or
- MUSC 493 Women's Chorus 0 OR 1 semester hour or
- MUSC 495 Concert Choir 0 OR 1 semester hour

### Note:

\* must be taken concurrently

\*\* must be taken concurrently

## Applied Music

### Individual Instructions

### Music Major/Minor

### Individual instruction (Guitar, Percussion, Piano, Strings, and Voice)

Music majors are required to complete a minimum of four semesters, and Music minors two semesters, of individual instruction in the following emphasis areas:

#### Major: 4 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice 1 semester hour
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice 1 semester hour

#### Minor: 2 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour

### Private applied lessons requirements

Each semester hour of earned credit in private applied lessons requires the following:

1. One 50-minute private lesson weekly (total 14)
2. Enrollment in MUSC 101 Studio Class
3. Minimum of one (1) Studio Class performance per semester
4. End of semester performance jury

### Private applied lessons eligibility

Only students who have been officially accepted through audition and declared music majors or minors by the Department of Music may enroll in private applied lessons.

No applied music fee is required.

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice 1 semester hour
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice 1 semester hour
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour

### Practice room facilities

Practice room facilities (free of charge) are available to all applied music students enrolled for credit.

### Applied music course repeatability

Applied music courses are repeatable for credit. Majors who wish to continue credit enrollment beyond minimum requirements may enroll in the subsequent offerings.

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hour

### Music Non-Major/Non-Minor

Individual instruction (Guitar, Percussion, Piano, Strings, Winds, and Voice)

Individual instruction is available in Guitar, Percussion, Piano, Strings, Winds, and Voice. Permission of professor required.

There is an applied music fee of \$460.00 per semester for fourteen 30-minute weekly lessons. Applied music courses are repeatable for credit.

- MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour
- MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hour

### Class instruction (Voice, Guitar, Piano)

Class instruction is available in voice, guitar, and piano for students at the beginning level.

- MUSC 105 The Vocal Experience 3 semester hours
  - MUSC 106 The Guitar Experience 3 semester hours
  - MUSC 107 The Piano Experience 3 semester hours
- All of these courses fulfill Explorations: Creative Experience in the University Core. MUSC 107 requires a \$15 lab fee for keyboard/headset upkeep.

## Ensembles

### Music Major/Minor

Music majors are required to complete four semesters, and Music minors two semesters, of active participation in an ensemble appropriate to the area of individual instruction emphasis.

### Music Non-Major/Non-Minor

Membership is open to all students and the University community on audition-after-enrollment basis.

- MUSC 454 World Music Ensembles I 0 OR 1 semester hour
- MUSC 455 World Music Ensembles II 0 OR 1 semester hour
- MUSC 490 Chamber Orchestra 0 OR 1 semester hour
- MUSC 491 Consort Singers 0 OR 1 semester hour
- MUSC 492 Chamber Music Ensembles 0 OR 1 semester hour\*
- MUSC 493 Women's Chorus 0 OR 1 semester hour
- MUSC 495 Concert Choir 0 OR 1 semester hour

Note:

\* Includes guitar, string, piano, and percussion ensembles. These classes are repeatable for credit.

## Theatre Arts and Dance

### Dance

#### Faculty

Chairperson: Patrick Damon Rago

Professors: Scott T. Heinzerling, Patrick Damon Rago, Judith M. Scalin

Associate Professor: Teresa L. Heiland

Assistant Professor: Rosalynde LeBlanc Loo

Full-Time Instructor: Kristen Smiarowski

### Mission

Framed by the Mission of Loyola Marymount University, the LMU Dance Program is committed to the inquiry and practice of dance as a creative, expressive art form that is integral to life.

The program believes that the study of dance engages the student as a whole person-body, mind, and spirit.

Guided by collaborative partnerships with teachers and scholars, opportunities to engage prominent dance artists, as well as participation within the diverse cultural and dance communities of Los Angeles and beyond, LMU Dance prepares students for a variety of career paths in dance and related areas of professional engagement.

The program provides a strong, unified learning community that works with deep intention, cooperation, and flexible engagement in performance, scholarship, choreography, and social action.

Housed in the Department of Theatre Arts and Dance, the Dance Program offers coursework for the dance major, the dance minor, and the general student population who wish to pursue dance as part of the core curriculum, as electives, and for the purposes of a liberal arts education.

### Theatre Arts

#### Faculty

Chairperson: Kevin J. Wetmore, Jr.

Professors: Diane Benedict, Charles E. Erven, Beth Henley (Presidential Professor), Katharine M. Noon, Judith Royer, C.S.J., Kevin J. Wetmore, Jr.

Assistant Professors: Arnab Banerji, Leon Wiebers

### Dance, B.A.

## Student Learning Outcomes

DOING: *Upon and after graduation, a Dance major will:*

- Dance with an articulate, centered, expressive, and skilled body
- Perform modern dance, ballet, jazz, and world dance—at least two of these at the intermediate-advanced level
- Connect the work and play of the body with the life of the mind and the spirit
- Discern the difference between an uninformed, unconscious reaction and the spark of impulse that can be generated from informed intuition
- Use informed intuition and imagination to address issues in art and life
- Maintain health through a practice of integration of body, mind, and spirit and a balance between activity and stillness, work and rest
- Understand and communicate with people from diverse backgrounds using appropriate listening and observing skills along with appropriate oral, written, and dance-movement skills and sensibilities
- Interactively use knowledge of dance and dancing along with knowledge of the other arts, humanities, business, and the sciences to ask questions and solve life and art problems
- Employ media and technology to learn about dance, make dances, and navigate the world in many other ways
- Write cogently and speak thoughtfully about dance, dancers, and dancing
- Seek, lead, and participate in one's community
- Seek solitary time for reflection and study.

KNOWING: *Upon graduation, a Dance major will:*

- Understand the critical importance of diversity in dance, dancers, and dancing as well as in the life of culture at large
- Recognize similarities and differences between and among diverse peoples and phenomena and acknowledge the potential opportunities and challenges therein
- Understand the workings of the physical and emotional body as described through the study of somatics, the sciences, and psychology
- Analyze the interactive stages of the creative process and employ critical analysis when uncovering questions and building "answers"
- Comprehend the process and craft of dance composition and understand aesthetic valuing in dance
- Know historical and cultural traditions in dance
- Know fundamental principles of teaching dance to others
- Understand and appreciate the role of music, theatre, and media-technology in the making and presentation of dance.

VALUING: *Upon graduation, a Dance major will:*

- Identify personal values as a center from which to depart and return as one is tested through life experience
- Respect life in its diverse expressions
- Acknowledge the power of, and seek continued development of, interactive and integrated physical-spiritual-emotional consciousness
- Appreciate the voices of intuition and imagination
- Tolerate chaos, confusion, and uncertainty long enough to arrive at invention and transformation when making art and live life in all its expression
- Know oneself in order to have the strength, freedom, and will to give to others
- Appreciate that knowledge is cognitive, emotional, and sensory
- Appreciate that knowledge is a critical companion to intuition
- Recognize how being "truthful," "heartful," and "mindful" ultimately leads to transformation and connection to one's life purpose
- Appreciate the importance of working as a community of dancers, colleagues, work associates, friends, and family and understand that this kind of work does not replace the need for solitary reflection and creation
- Appreciate that inviting more people to the "table of dance" could augment physical health of American people and enhance intrapersonal and interpersonal compassion and empathy.

## Dance Generalist Track (GENL)

### Major Requirements

#### Lower Division Requirements:

A minimum of 20 semester hours:

- DANC 100 Orientation to Dance 0 TO 1 semester hour
- DANC 101 Principles of Movement 0 TO 1 semester hour
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process 3 semester hours (counts also as University Core)

- DANC 161 Fundamentals of Dance Composition II: Dance Improvisation 3 semester hours
- DANC 183 Stagecraft for Dancers 1 semester hour
- DANC 260 Laban Movement Analysis 3 semester hours
- DANC 262 Dance Styles and Forms 3 semester hours
- DANC 281 History of Dance Theatre 3 semester hours
- DANC 282 I Am, Therefore I Dance 3 semester hours (counts also as University Core)
- And taken at the level of proficiency: Modern Dance and Ballet each semester (minimum total 8 semester hours), and Jazz Dance Technique 4 semesters (minimum total 4 semester hours), and World Dance 2 semesters (minimum total 2 semester hours).

#### Upper Division Requirements:

A minimum of 23 semester hours:

- DANC 377 Dance Production 0 TO 1 semester hour
- DANC 378 Service Project 0 semester hours
- DANC 380 Music for Dance 3 semester hours
- DANC 388 Careers in Dance 1 semester hour
- DANC 459 Senior Thesis Preparation 0 semester hours
- DANC 461 Senior Thesis: Project 3 semester hours (minimum of C [2.0] grade)
- DANC 462 Mentorship: Senior Thesis 0 TO 1 semester hour
- DANC 480 Kinesiology for Dancers I 3 semester hours (counts also as core)
- DANC 481 Kinesiology for Dancers II 3 semester hours (counts also as core)
- DANC 484 Principles of Teaching Dance 3 semester hours

#### Note:

A minimum of a C (2.0) must be maintained in major coursework.

A minimum grade of C (2.0) must be earned in each Dance major technique course and DANC 461.

### Dance Generalist Model Four-Year Plan

#### Freshman Year

##### Fall Semester

- DANC 100 Orientation to Dance 0 TO 1 semester hour
- DANC 101 Principles of Movement 0 TO 1 semester hour
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process 3 semester hours
- DANC Modern 0-1 semester hour
- DANC Ballet 0-1 semester hour
- DANC Jazz 0-1 semester hour
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-19 semester hours

##### Spring Semester

- DANC 161 Fundamentals of Dance Composition II: Dance Improvisation 3 semester hours
- DANC 183 Stagecraft for Dancers 1 semester hour
- DANC Modern 0-1 semester hour
- DANC Ballet 0-1 semester hour
- DANC World Dance 0-2 semester hours: DANC 344, DANC 371, DANC 376, and/or DANC 397)
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 17-20 semester hours

### Sophomore Year

#### Fall Semester

- DANC 260 Laban Movement Analysis 3 semester hours
- DANC Modern 0-1 semester hour
- DANC Ballet 0-1 semester hour
- DANC Jazz 0-1 semester hour
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-17 semester hours

#### Spring Semester

- DANC 262 Dance Styles and Forms 3 semester hours
- DANC 281 History of Dance Theatre 3 semester hours
- DANC Modern 0-1 semester hour
- DANC Ballet 0-1 semester hour
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

### Junior Year

#### Fall Semester

- DANC 282 I Am, Therefore I Dance 3 semester hours
- DANC 377 Dance Production 0 TO 1 semester hour
- DANC 388 Careers in Dance 1 semester hour
- DANC 480 Kinesiology for Dancers I 3 semester hours
- DANC Modern 0-1 semester hour
- DANC Ballet 0-1 semester hour
- DANC Jazz 0-1 semester hour
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Spring Semester

- DANC 481 Kinesiology for Dancers II 3 semester hours
- DANC 484 Principles of Teaching Dance 3 semester hours
- DANC Ballet 0-1 semester hour

- DANC Modern 0-1 semester hour
- DANC World Dance 0-2 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 17-19 semester hours

### Senior Year

#### Fall Semester

- DANC 380 Music for Dance 3 semester hours
- DANC 459 Senior Thesis Preparation 0 semester hours
- DANC 462 Mentorship: Senior Thesis 0 TO 1 semester hour
- DANC Modern 0-1 semester hour
- DANC Ballet 0-1 semester hour
- DANC Jazz 0-1 semester hour
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-17 semester hours

#### Spring Semester

- DANC 378 Service Project 0 semester hours
- DANC 461 Senior Thesis: Project 3 semester hours
- DANC 462 Mentorship: Senior Thesis 0 TO 1 semester hour
- DANC Modern 0-1 semester hour
- DANC Ballet 0-1 semester hour
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-17 semester hours

#### Note:

*Variable semester hours for all technique classes are options only for Dance majors and minors. All other students must take these courses for 2 semester hours.*

### Theatre Arts, B.A.

#### Objectives

The Theatre Arts curriculum is planned to provide a broad quality education in the humanities and to develop in the student an appreciation of the whole self and the universality of the human experience. The Theatre Arts program promotes an environment that nurtures self-expression within all aspects of the discipline, ranging from acting and design to technical theatre and the history and theories surrounding these practices. Faculty and students collaborate to enhance creative involvement in and promote aesthetic and scholarly inquiry into the art of theatre and performance. Participation on all levels in the performing arts is central to this work. Through the production and study of both Western and world theatrical traditions, the program contributes to the cultural vitality of our students, the university, and the surrounding community. The Theatre Arts program supports the mission and goals of the university with a commitment to educating the whole person and providing students with the tools to be an active participant in the service of faith and the promotion of justice,

and is accredited by the National Association of Schools of Theatre. The program offers the Bachelor of Arts in Theatre degree, the requirements of which can serve as an excellent foundation for those students pursuing a career in theatre, film, and television, for those who wish to enrich their lives through non-career oriented study and performance, and for those pursuing MFA and PhD degrees in performance, design, history, and performance theory.

## Student Learning Outcomes

Students majoring in Theatre Arts should be able to:

- Strengthen their skills in observation, concentration, and imagination
- Effectively apply learned acting techniques to performance and/or creative works of their own
- Interpret dramatic texts and critique theatrical performance using appropriate critical language and analytical frameworks
- To integrate effective use of body and voice in communication in a theatrical space
- Read technical drawings, and apply a basic understanding of scenery, scenic materials, construction procedures, and standard theatrical lighting practices to theatre production
- Identify the basic elements of stage direction; analyze a play script from the point of view of the director; articulate and defend a production concept; develop actor-coaching skills; and identify elements of direction that communicate story, theme, and concept
- Positively contribute to the field of theatre performance, history, and production.

Students majoring in Theatre Arts are presented with the opportunity to value:

- Theatre as a live, human, creative, and spiritual experience, which has the power to transform and educate as well as entertain an audience
- Non-Western theatrical styles and genres
- The impact design and production have on the theatrical experience, and the relationships and contributions of all collaborators and theatrical personnel and how they contribute to the creation of theatre production across a broad spectrum of styles and genres
- Individual expression through exploration, analysis, and creation of dramatic writing
- First-hand European theatre tradition; Stanislavski and Epic theatre performance techniques; the history, geography, and culture of Germany and Russia, through our semester study abroad program, Bonn-Moscow-Berlin.

Students majoring in Theatre Arts should know:

- Basic theories, techniques, and process of dramatic writing and structure, and various approaches to translating original dramatic material from the page to the stage/screen
- Basic world theatre history and dramatic literature, including exemplary works and genres
- Basic performance and design genres, styles, and techniques
- Basic strategies of career development and audition/interview methods.

## Major Requirements (THEA)

### Lower Division Requirements:

24 semester hours:

- THEA 111 Introduction to Theatre Performance 3 semester hours
- THEA 120 Stagecraft 3 semester hours
- THEA 220 Introduction to Basic Scene, Lighting, and Costume Design 3 semester hours
- THEA 240 Western Theatre History and Literature I 3 semester hours
- THEA 245 Western Theatre History and Literature II 3 semester hours
- THEA 250 Theatre Practicum: Crew 0 TO 3 semester hours
- 7 semester hours of lower division Theatre coursework planned in consultation with departmental advisor

Note:

A grade of C (2.0) or better must be earned in each course:

- THEA 111 Introduction to Theatre Performance 3 semester hours
- THEA 120 Stagecraft 3 semester hours
- THEA 220 Introduction to Basic Scene, Lighting, and Costume Design 3 semester hours
- THEA 240 Western Theatre History and Literature I 3 semester hours
- THEA 245 Western Theatre History and Literature II 3 semester hours
- THEA 250 Theatre Practicum: Crew 0 TO 3 semester hours

### Upper Division Requirements:

30 semester hours:

- THEA 370 Directing for the Theatre I 3 semester hours
- THEA 450 Theatre Practicum: Crew 0 TO 3 semester hours
- THEA 490 Senior Thesis Project 3 semester hours
- 12 semester hours of upper division Theatre electives

9 semester hours of Theatre history/literature/criticism courses from the THEA 330s, 340s, 430s, of which 3 semester hours must be chosen from:

- THEA 347 African Spirit in Drama 3 semester hours or
- THEA 348 Asian Spirit in Drama 3 semester hours or
- THEA 349 Hispanic Spirit in Drama 3 semester hours or
- THEA 430 Special Author/Genre Seminar 3 semester hours or
- THEA 435 Special Period Seminar 3 semester hours
- THEA 370 Directing for the Theatre I 3 semester hours
- THEA 450 Theatre Practicum: Crew 0 TO 3 semester hours
- THEA 490 Senior Thesis Project 3 semester hours and 12 semester hours of upper division Theater electives

Note:

A grade of C (2.0) or better must be earned in each course of the 9 semester hours of Theatre history, literature, and criticism.

- THEA 370 Directing for the Theatre I 3 semester hours

- THEA 450 Theatre Practicum: Crew 0 TO 3 semester hours
- THEA 490 Senior Thesis Project 3 semester hours

## Theatre Arts Model Four-Year Plan

### Freshman Year

#### Fall Semester

- THEA 111 Introduction to Theatre Performance 3 semester hours
- THEA 120 Stagecraft 3 semester hours
- THEA 121 Stagecraft Lab 0 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 12-18 semester hours

#### Spring Semester

- THEA 220 Introduction to Basic Scene, Lighting, and Costume Design 3 semester hours
- THEA 250 Theatre Practicum: Crew 0 TO 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 1 semester hour

Total: 13-19 semester hours

### Sophomore Year

#### Fall Semester

- THEA 240 Western Theatre History and Literature I 3 semester hours
- THEA Elective 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Spring Semester

- THEA 245 Western Theatre History and Literature II 3 semester hours
- THEA Elective 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

### Junior Year

#### Fall Semester

- THEA 370 Directing for the Theatre I 3 semester hours
- THEA 450 Theatre Practicum: Crew 0 TO 3 semester hours (3 semester hours required)
- THEA History/Literature/Criticism 3 semester hours
- THEA Elective 3 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

#### Spring Semester

- THEA History/Literature/Criticism 3 semester hours
- THEA Elective 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

### Senior Year

#### Fall Semester

- THEA History/Literature/Criticism 3 semester hours
- THEA Elective 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Spring Semester

- THEA 490 Senior Thesis Project 3 semester hours
- THEA Elective 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Note:

This schedule is typical. The sequence and choice of courses must be decided in consultation with an advisor.

#### Dance Minor

#### Minor Requirements

Dance minor (DANG)—20 semester hours:

#### One composition course

- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process 3 semester hours

#### One pedagogy course selected from

- DANC 363 Multiple Ways of Knowing and Showing: Music and Dance 3 semester hours
- DANC 385 Movement Arts for Children 3 semester hours

- DANC 484 Principles of Teaching Dance 3 *semester hours*

6 semester hours of theory courses selected from

- DANC 183 Stagecraft for Dancers 1 *semester hour*
- DANC 260 Laban Movement Analysis 3 *semester hours*
- DANC 281 History of Dance Theatre 3 *semester hours*
- DANC 282 I Am, Therefore I Dance 3 *semester hours*
- DANC 382 Drumming for Dance 2 *semester hours*
- DANC 387 Dance as Social Action 0 TO 3 *semester hours*
- DANC 480 Kinesiology for Dancers I 3 *semester hours*
- DANC 487 Dance Media and Technology 3 *semester hours*
- Other courses in Dance as directed by advisor

At least 6 semester hours of dance technique (ballet, modern, and/or jazz dance)

At least 2 semester hours of tap or world dance

### **Theatre Arts Minor**

#### **Minor Requirements (THEA)**

18 semester hours divided into 6 semester hours of lower division work, 12 semester hours of upper division theatre offerings, and participation in departmentally-sponsored events.

Minor programs must be planned in consultation with a departmental advisor. A minimum grade of C (2.0) must be obtained in each course included in the minor program.

# Frank R. Seaver College of Science and Engineering

## Administration

Dean: S. W. Tina Choe

Associate Dean for Undergraduate Studies: Pippa Drennan

Associate Dean of Faculty/Staff Development and Student Success:  
Herbert A. Medina

Associate Dean for Graduate Studies and External Affairs: Nazmul  
Ula

## College Mission Statement

The Frank R. Seaver College of Science and Engineering is dedicated to providing outstanding educational opportunities in science, engineering, and mathematics in a mentoring environment to an increasingly diverse student body. The College emphasizes development of the whole person through its focus on ethical behavior and service to society.

The Graduate Programs in the Frank R. Seaver College of Science and Engineering provide opportunities for working professionals to enhance their skills and knowledge through modern, professionally rigorous and conveniently administered curricula which balance theory and practice in the areas of engineering, engineering management and leadership, computer and environmental science and the teaching of mathematics to advance their careers, serve the needs of society and meet the challenges of an ever-changing, complex world.

## College Goals

Particularly applicable to the College are these goals: (1) to develop in the student the understanding that education is a self-discipline, and to place a greater responsibility for learning on the individual, (2) to integrate ethics into the curriculum in order to develop personal and professional integrity, (3) to help the student to become cognizant of the changing needs of humankind while interpreting and implementing the ever-increasing body of knowledge, (4) to encourage the student to recognize the wide applicability of scientific, engineering, and mathematical methods and to become skillful in their use, (5) to prepare the student for a world of accelerating scientific and technological change, (6) to impress upon the student that education must be a continuous process throughout one's professional career, and (7) to enable the Loyola Marymount graduate, through theological and philosophical studies, to make absolute and genuinely intellectual decisions and commitments about truth as it exists in the world and about one's own nature as a human being.

## Programs

The College offers degree programs in Applied Mathematics, Biochemistry, Biology, Chemistry, Civil Engineering, Computer Science, Electrical Engineering, Engineering Physics, Environmental Science, Health and Human Sciences, Individualized Studies, Mathematics, Mechanical Engineering, Physics, and Systems Engineering. Frank R. Seaver College of Science and Engineering faculty also teach the science, technology, and mathematics component of the University Core curriculum. Courses numbered from 260-279 are designed specifically to meet the University Core requirements in Explorations: Nature of Science, Technology, and Mathematics (ESTM) for students not majoring within the College. With the exception of MATH 101, other lower-division courses in the College may also satisfy University Core requirements, especially Foundations: Quantitative Reasoning (FQTR). Check with your Dean's office.

## Application of General University Requirements

The University requirements for admission and graduation and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the Frank R. Seaver College of Science and Engineering.

## Degrees Offered

Bachelor of Arts in:

- Biology
- Mathematics

Bachelor of Science in Engineering in:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

Bachelor of Science in:

- Applied Mathematics
- Biochemistry
- Biology
- Chemistry
- Computer Science
- Engineering Physics
- Environmental Science
- Health and Human Sciences
- Individualized Studies
- Mathematics
- Physics

Master of Arts in Teaching in: Mathematics

Master of Science in Engineering in:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

Master of Science in:

- Environmental Science
- Systems Engineering

Dual degrees of Master of Science in Systems Engineering (offered by the Frank R. Seaver College of Science and Engineering) and MBA (offered by the Hilton College of Business)

In addition, the Frank R. Seaver College of Science and Engineering offers graduate Certificate Programs in Lean Healthcare Systems, Program Leadership, Systems Engineering, Mechanical Engineering, Water and Wastewater Treatment, Groundwater Management, Water Quality Management, and Sustainability.

## Teacher Preparation Programs in Biology, Chemistry, and Mathematics

Program Directors: Blake Mellor (Mathematics) and Carolyn Viviano (Biology and Chemistry)

The Frank R. Seaver College of Science and Engineering offers state accredited subject matter preparation programs in

mathematics, biology, and chemistry. These programs meet the State of California subject matter requirements for a secondary teaching credential; a student who has successfully completed one of our subject matter programs (refer to the Mathematics, Biology, or Chemistry section of the University Bulletin) will receive a waiver for the California Subject Examinations for Teachers (CSET).

All three programs were designed in collaboration with the School of Education to enable students to complete their subject matter requirements and their preliminary credential in four years; however, this does require summer coursework. Alternatively, students can choose to complete the subject matter program in four years and obtain their credential as a masters level graduate student (refer to the School of Education section of the University Bulletin). It is recommended that students entering one of the subject matter programs meet with the program director to discuss their options before making a decision. The College also offers courses in mathematics and science to support the multiple subject credential program for teaching elementary school (see the Liberal Studies section in the Liberal Arts part of the University Bulletin).

All students interested in teaching mathematics or science at the secondary level should inform their departmental advisors as soon as possible and should also contact the Center for Undergraduate Teacher Preparation (CUTP).

### **The Center for Student Success in Science and Engineering**

The Center for Student Success (CSS) in the Frank R. Seaver College of Science and Engineering coordinates and provides opportunities aimed at enhancing undergraduate students' academic performance and career prospects. Located in Pereira 100, CSS offers students a central location to access information that is integral to a successful educational experience. The CSS collaborates with other divisions on campus to provide students with information regarding career development, study abroad, and service opportunities to enhance the student's academic, professional, and personal development. In addition, the CSS offers support to prepare for admission into health professional schools. These elements reinforce the shared mission of the University of encouragement of learning and the education of the whole person. For more information about the Center for Student Success, please contact the Associate Dean for Undergraduate Studies office at 310.338.2833 or [CSS@lmu.edu](mailto:CSS@lmu.edu).

### **Current Students Interested in Transferring to the Frank R. Seaver College of Science and Engineering (CSE)**

Students who are currently enrolled in a major at LMU outside of CSE but are interested in transferring to the CSE are encouraged to apply as early as possible. Students must have completed a semester of calculus (MATH 122/131) and a semester of general chemistry (CHEM 110/114) with a minimum grade of C (2.0) in each class. Students interested in the Computer Science or Mathematics major do not need the chemistry requirement. Individual programs may have additional requirements; refer to the University Bulletin for details. A minimum cumulative GPA of 3.0 is preferred for admission to the college. The Associate Dean of CSE and the Department Chair will evaluate the application when the student has met the minimum requirements.

Attainment of minimum requirements may not always be sufficient to secure approval of transfer request.

### **Core Curriculum for Students in the Frank R. Seaver College of Science and Engineering**

**CSE students enrolled in B.A. or B.S. degrees within the Frank R. Seaver College of Science and Engineering will follow the core curriculum as described below.**

Science and Mathematics majors are required to complete **32 semester hours** of core courses to satisfy the University Core requirements. Engineering majors are required to complete **30 semester hours of Core**.

1. CSE students must complete **one course from each** of the following **core areas**:

#### **Core Area**

First Year Seminar  
Rhetorical Arts

**Foundations**Theological Inquiry  
Philosophical Inquiry  
Studies in American Diversity

**Integrations** Faith and Reason  
Ethics and Justice

2. To fulfill the rest of the core semester hour requirements, students take a combination of courses in the categories listed below taking at least one course under Explorations.

#### **Core Area**

Historical Analysis and Perspective

**Explorations**Understanding Human Behavior  
Creative Experience

**Integrations** Interdisciplinary Connections

3. Flagged Course requirements (200 level or higher): 5 flags required

- Writing: 2 Flags
- Oral Skills: 1 Flag
- Information Literacy: 1 Flag
- Engaged Learning: 1 Flag

Flagged courses will typically be courses that satisfy other Core, major, or elective requirements, so they will be incorporated over the student's four years of study. Foundations courses carry no flags.

*Quantitative Reasoning and Nature of Science, Technology, and Mathematics Core categories are met by the curriculum of the major in CSE. In addition, the Quantitative Reasoning Flag is met by the curriculum of the major in CSE.*

### **Science, Engineering, and Mathematics**

Science, Engineering, and Mathematics (SCEM) courses are offered by the Frank R. Seaver College of Science and Engineering.

### **General Engineering**

A General Engineering curriculum is offered during the first three semesters in which all requirements are nearly identical regardless of major. This provides maximum flexibility since students can switch to any major at any time during their first three semesters without losing any time or credit. During this period, students can be classified as "Undecided Engineering" or can opt for one of the engineering majors—civil, electrical, or mechanical engineering. The principles and concepts that students learn during the General Engineering curriculum provide the foundation necessary for more advanced study in all engineering disciplines.

The freshman engineering faculty advisors advise all engineering students during the first two semesters. Students must consult each semester with their freshman advisor and register for the appropriate

courses listed under the General Engineering curriculum. Any variation from the recommended paradigm must be approved by the freshman advisor.

Unless unusual circumstances suggest otherwise, a commitment to a particular major should be made before the second semester of the sophomore year. Students will then be assigned to a faculty advisor within their major. The Office of the Registrar must be informed whenever a student changes or declares a major.

#### General Engineering Curriculum

##### Freshman Year

##### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 114 General Chemistry for Engineers 3 semester hours
- MATH 131 Calculus I 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 14-15 semester hours

##### Spring Semester

- ENGR 160 Algorithms and Applications 3 semester hours
- BIOL 114 Biology for Engineers 3 semester hours
- MATH 132 Calculus II 4 semester hours
- PHYS 101 Introduction to Mechanics 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 17-18 semester hours

##### Sophomore Year

##### Fall Semester

- ENGR 200 Statics 3 semester hours
- ELEC 210 Electric Circuit Analysis 3 semester hours
- ELEC 213 Electric Circuit Analysis Lab 0 semester hours
- MATH 234 Calculus III 4 semester hours
- PHYS 201 Introduction to Electricity and Magnetism 4 semester hours
- University Core 3-4 semester hours

Total: 17-18 semester hours

## Biology

### Faculty

Chairperson: Wendy J. Binder

Professors: Wendy J. Binder, Philippa M. Drennan, Martina G.

Ramirez, Eric Strauss (Presidential Professor), John P. Waggoner III

Associate Professors: Kam D. Dahlquist, Michelle R. Lum, M.

Catharine McElwain, Carl R. Urbinati, Carolyn Viviano

Assistant Professors: Deepa Dabir, Nancy Fujishige

The mission of the Biology Department is to promote an appreciation for and understanding of the science of biology in our students. The particular objectives of the Biology Department are to: (1) provide students with a broad background in the biological sciences; (2) enable students to master the essential concepts of biology; (3) develop students' ability to think critically about scientific information and solve scientific problems; (4) enable students to articulate ideas and present information in both written and oral forms in a clear, organized fashion; (5) encourage students to participate in original research; (6) promote interdisciplinary scholarship; (7) teach students the skills of both field and laboratory biology, and enable them to participate directly in the scientific discovery process; (8) facilitate students' independent exploration of career opportunities; and (9) participate in the University's effort to educate nonscience majors in the areas of science and technology.

### Biology, B.A.

The B.A. in Biology degree is a general liberal arts and sciences program. The B.A. will allow for a double major with other liberal arts programs. Pre-professional students should select the program leading to the B.S. degree.

#### Major Requirements, Lower Division: for the B.A. in Biology

- BIOL 101 General Biology I 3 semester hours \*
- BIOL 102 General Biology II 3 semester hours \*
- BIOL 111 General Biology I Lab 2 semester hours \*
- BIOL 112 General Biology II Lab 2 semester hours \*
- BIOL 201 Cell Function 3 semester hours \*
- BIOL 202 Genetics 3 semester hours \*
- CHEM 110 General Chemistry I 3 semester hours \*
- CHEM 111 General Chemistry I Lab 1 semester hours \*
- CHEM 112 General Chemistry II 3 semester hours \*
- CHEM 113 General Chemistry II Lab 1 semester hours \*
- CHEM 220 Organic Chemistry I 3 semester hours
- 6 semester hours of mathematics to include MATH 122 \*
- Plus 3.0 additional semester hours in science to be approved by the Department Chairperson

#### Note:

\* A student must complete with a C (2.0) average the courses indicated with an asterisk, including a C (2.0) average in BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, and BIOL 202, prior to becoming eligible to take any upper division biology course.

#### Major Requirements, Upper Division: (both B.S. and B.A. in Biology)

27 (B.S.) or 24 (B.A.) upper division semester hours in Biology, to be selected from the groups listed below, and to include at least 4 laboratory courses.

#### (a) One course in Cell/Organism Function

#### To be selected from

- BIOL 351 General Physiology 3 semester hours
- BIOL 353 Plant Physiology 3 semester hours
- BIOL 356 Cell Biology 3 semester hours
- BIOL 357 Comparative Animal Physiology 3 semester hours

- BIOL 358 Hormones and Behavior 4 semester hours
- BIOL 445 Endocrinology 3 semester hours
- BIOL 449 Immunology 3 semester hours
- BIOL 450 Physiology of Disease 3 semester hours

(b) One course in Molecular Biology

To be selected from

- BIOL 330 Embryology and Development 4 semester hours
- BIOL 367 Biological Databases 3 semester hours
- BIOL 370 Plant Biotechnology 3 semester hours
- BIOL 437 Plant Development 3 semester hours
- BIOL 439 Molecular Biology Applications 4 semester hours
- BIOL 440 Molecular Neurobiology 3 semester hours
- BIOL 443 Molecular Biology 3 semester hours
- BIOL 478 Molecular Biology of the Genome 4 semester hours
- BIOL 479 Molecular Mechanisms of Disease 3 semester hours

(c) One course in Organismal Diversity

To be selected from

- BIOL 311 Plant Interactions 3 semester hours
- BIOL 312 Field Botany 4 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 333 Biology of Mammals 4 semester hours
- BIOL 334 Invertebrate Zoology 4 semester hours
- BIOL 335 Comparative Anatomy 4 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 361 General Microbiology 3 semester hours
- BIOL 422 Marine Biology 4 semester hours
- BIOL 460 Environmental Microbiology 3 semester hours

(d) One course in Populations

To be selected from

- BIOL 315 World Vegetation Ecology 3 semester hours
- BIOL 316 Island Biology 3 semester hours
- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 321 Urban Ecology 3 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 422 Marine Biology 4 semester hours
- BIOL 474 Principles of Evolution 3 semester hours
- BIOL 475 Evolution 4 semester hours
- BIOL 477 Conservation Genetics 4 semester hours

Note: BIOL 328, BIOL 338, or BIOL 422 can satisfy only (c) or (d).

(e) One 2 semester hour 500-level seminar or research course

(f) Additional upper division biology courses.

(g) The above requirements must also include

One plant biology course

To be selected from

- BIOL 311 Plant Interactions 3 semester hours
- BIOL 312 Field Botany 4 semester hours
- BIOL 315 World Vegetation Ecology 3 semester hours
- BIOL 353 Plant Physiology 3 semester hours
- BIOL 370 Plant Biotechnology 3 semester hours
- BIOL 437 Plant Development 3 semester hours

And one field biology course

To be selected from

- BIOL 312 Field Botany 4 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 322 Urban Ecology Lab 1 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 333 Biology of Mammals 4 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 380 Tropical Marine Ecology Laboratory 1 semester hours
- BIOL 422 Marine Biology 4 semester hours

Note: BIOL 312 can satisfy only one of these two categories.

In addition to the 24 required semester hours

Upper division biology courses may be taken as electives. Students preparing for specific graduate careers should discuss appropriate courses with their advisors.

To graduate as a biology major, a student must accumulate a C (2.0) average in all major requirements.

B.A. Degree—Biology Curriculum

(120 S.H.)\*

Freshman Year

Fall Semester

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- MATH Mathematics 3 semester hours\*\*

Total: 15-16 semester hours

Spring Semester

- BIOL 101 General Biology I 3 semester hours
- BIOL 112 General Biology II Lab 2 semester hours
- CHEM 112 General Chemistry II 3 semester hours

- CHEM 113 General Chemistry II Lab 1 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 15-16 semester hours

Sophomore Year

Fall Semester

- BIOL 201 Cell Function 3 semester hours
- CHEM 220 Organic Chemistry I 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-18 semester hours

Spring Semester

- BIOL 202 Genetics 3 semester hours
- Science Elective 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-18 semester hours

Junior Year

Fall Semester

- BIOL Upper Division 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-20 semester hours

Spring Semester

- BIOL Upper Division 4 semester hours
- BIOL Upper Division 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 2 semester hours

Total: 15-17 semester hours

Senior Year

Fall Semester

- BIOL Upper Division 4 semester hours
- BIOL Seminar or Research 2 semester hours

- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

Spring Semester

- BIOL Upper Division 4 semester hours
- BIOL Upper Division 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-15 semester hours

Total: 120 semester hours

\* A minimum of 45 upper division hours are required to complete the degree.

\*\*The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.

The sequence of the University Core courses should be discussed with the student's advisor.

### **Biology, B.S.**

The B.S. in Biology degree prepares students for a variety of careers following graduation. Substantial numbers of students go on to health professional schools to study medicine, dentistry, pharmacy, optometry, podiatric medicine, and veterinary medicine. Other students go on to various graduate programs in the basic biological sciences (e.g., physiology, genetics, molecular biology, immunology, microbiology, marine biology, ecology, etc.), college teaching, and positions in industry and in research and development.

Major Requirements, Lower Division: for the B.S. in Biology

- BIOL 101 General Biology I 3 semester hours \*
- BIOL 102 General Biology II 3 semester hours \*
- BIOL 111 General Biology I Lab 2 semester hours \*
- BIOL 112 General Biology II Lab 2 semester hours \*
- BIOL 201 Cell Function 3 semester hours \*
- BIOL 202 Genetics 3 semester hours \*
- CHEM 110 General Chemistry I 3 semester hours \*
- CHEM 111 General Chemistry I Lab 1 semester hours \*
- CHEM 112 General Chemistry II 3 semester hours \*
- CHEM 113 General Chemistry II Lab 1 semester hours \*
- CHEM 220 Organic Chemistry I 3 semester hours
- CHEM 221 Organic Chemistry I Lab 1 semester hours
- CHEM 222 Organic Chemistry II 3 semester hours
- CHEM 223 Organic Chemistry II Lab 1 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours \*
- MATH 123 Calculus for the Life Sciences II 3 semester hours
- PHYS 253 General Physics I 4 semester hours
- PHYS 254 General Physics II 4 semester hours

Note:

(MATH 131, MATH 132 may be substituted for MATH 122, MATH 123)

\* A student must complete with a C (2.0) average the lower division requirements indicated by asterisks, including a C (2.0) average in BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, and BIOL 202, prior to becoming eligible to take any upper division biology course.

Major Requirements, Upper Division: (both B.S. and B.A. in Biology)

27 (B.S.) or 24 (B.A.) upper division semester hours in Biology, to be selected from the groups listed below, and to include at least 4 laboratory courses.

(a) One course in Cell/Organism Function

To be selected from

- BIOL 351 General Physiology 3 semester hours
- BIOL 353 Plant Physiology 3 semester hours
- BIOL 356 Cell Biology 3 semester hours
- BIOL 357 Comparative Animal Physiology 3 semester hours
- BIOL 358 Hormones and Behavior 4 semester hours
- BIOL 445 Endocrinology 3 semester hours
- BIOL 449 Immunology 3 semester hours
- BIOL 450 Physiology of Disease 3 semester hours

(b) One course in Molecular Biology

To be selected from

- BIOL 330 Embryology and Development 4 semester hours
- BIOL 367 Biological Databases 3 semester hours
- BIOL 370 Plant Biotechnology 3 semester hours
- BIOL 437 Plant Development 3 semester hours
- BIOL 439 Molecular Biology Applications 4 semester hours
- BIOL 440 Molecular Neurobiology 3 semester hours
- BIOL 443 Molecular Biology 3 semester hours
- BIOL 478 Molecular Biology of the Genome 4 semester hours
- BIOL 479 Molecular Mechanisms of Disease 3 semester hours

(c) One course in Organismal Diversity

To be selected from

- BIOL 311 Plant Interactions 3 semester hours
- BIOL 312 Field Botany 4 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 333 Biology of Mammals 4 semester hours
- BIOL 334 Invertebrate Zoology 4 semester hours
- BIOL 335 Comparative Anatomy 4 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 361 General Microbiology 3 semester hours
- BIOL 422 Marine Biology 4 semester hours
- BIOL 460 Environmental Microbiology 3 semester hours

(d) One course in Populations

To be selected from

- BIOL 315 World Vegetation Ecology 3 semester hours
- BIOL 316 Island Biology 3 semester hours
- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 321 Urban Ecology 3 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 422 Marine Biology 4 semester hours
- BIOL 474 Principles of Evolution 3 semester hours
- BIOL 475 Evolution 4 semester hours
- BIOL 477 Conservation Genetics 4 semester hours

Note:

*BIOL 328, BIOL 338, or BIOL 422 can satisfy only (c) or (d).*

(e) One 2 semester hour 500-level seminar or research course

(f) Additional upper division biology courses.

(g) The above requirements must also include

One plant biology course

To be selected from

- BIOL 311 Plant Interactions 3 semester hours
- BIOL 312 Field Botany 4 semester hours
- BIOL 315 World Vegetation Ecology 3 semester hours
- BIOL 353 Plant Physiology 3 semester hours
- BIOL 370 Plant Biotechnology 3 semester hours
- BIOL 437 Plant Development 3 semester hours

And one field biology course

To be selected from

- BIOL 312 Field Botany 4 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 322 Urban Ecology Lab 1 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 333 Biology of Mammals 4 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 380 Tropical Marine Ecology Laboratory 1 semester hours
- BIOL 422 Marine Biology 4 semester hours

Note:

BIOL 312 can satisfy only one of these two categories.

In addition to the 24 required semester hours

Upper division biology courses may be taken as electives. Students preparing for specific graduate careers should discuss appropriate courses with their advisors.

To graduate as a biology major, a student must accumulate a C (2.0) average in all major requirements.

B.S. Degree—Biology Curriculum

(124 S.H.)\*

Freshman Year

Fall Semester

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours \*\*
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

Total: 15-16 semester hours

Spring Semester

- BIOL 102 General Biology II 3 semester hours
- BIOL 112 General Biology II Lab 2 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- MATH 123 Calculus for the Life Sciences II 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 15-16 semester hours

Sophomore Year

Fall Semester

- BIOL 201 Cell Function 3 semester hours
- CHEM 220 Organic Chemistry I 3 semester hours
- CHEM 221 Organic Chemistry I Lab 1 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-19 semester hours

Spring Semester

- BIOL 202 Genetics 3 semester hours
- CHEM 222 Organic Chemistry II 3 semester hours
- CHEM 223 Organic Chemistry II Lab 1 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-19 semester hours

Junior Year

Fall Semester

- BIOL Upper Division 4 semester hours
- PHYS 253 General Physics I 4 semester hours \*\*\*
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 17-20 semester hours

Spring Semester

- BIOL Upper Division 4 semester hours
- BIOL Upper Division 3 semester hours
- PHYS 254 General Physics II 4 semester hours
- University Core 3-4 semester hours

Total: 14-15 semester hours

Senior Year

Fall Semester

- BIOL Upper Division 4 semester hours
- BIOL Upper Division 3 semester hours
- BIOL Seminar or Research 2 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 15-17 semester hours

Spring Semester

- BIOL Upper Division 4 semester hours
- BIOL Upper Division 3 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 16-19 semester hours

Total: 124 semester hours

\* A minimum of 45 upper division hours are required to complete the degree

\*\* The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.

\*\*\* Students who have completed MATH 122 or 131 may begin the physics sequence in the Fall semester of either the sophomore or junior year.

The sequence of the University Core courses should be discussed with the student's advisor.

**Biology Minor**

Minor Requirements

- BIOL 101 General Biology I 3 semester hours
- BIOL 102 General Biology II 3 semester hours

- BIOL 111 General Biology I Lab 2 *semester hours*
- BIOL 112 General Biology II Lab 2 *semester hours*
- BIOL 201 Cell Function 3 *semester hours*
- BIOL 202 Genetics 3 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- Plus 7 semester hours in upper division BIOL courses

Note:

The upper division courses for the minor must be selected under the direction of the Chairperson of the Department.

An average grade of C (2.0) must be accumulated in all lower division requirements prior to taking upper division courses. An average grade of C (2.0) must also be accumulated in all upper division courses included in the minor.

## Chemistry and Biochemistry

### Faculty

Chairperson: James M. Landry

Professors: S. W. Tina Choe, Lambert A. Doezema, James M. Landry, David A. Moffet, James A. Roe

Associate Professors: Nicole C. Bouvier-Brown, Emily A. Jarvis, Jeremy E.B. McCallum, Thomas J. Reilly

Assistant Professors: Stephen T. Heller, Sarah F. Mitchell

The chemistry and biochemistry curricula provide students with a solid foundation necessary for careers in research, health professions, teaching, and industry. The flexibility of the programs gives students the opportunity to explore areas that build upon that foundation. Examples of these areas include forensics, environmental science, and materials science. In addition, students acquire skills in critical thinking and problem solving useful in other professions such as law and business.

Chemistry and biochemistry are empirical sciences. In addition to intellectual mastery of the disciplines, the major programs also develop practical experimental skills. The LMU student obtains "hands on" experience, both in traditional synthetic and analytic bench chemistry, as well as in major contemporary methods and techniques, enhanced by the department's collection of modern instrumentation.

Because of the complex and sensitive nature of the equipment and techniques of chemistry and biochemistry, continued participation in the programs is contingent on appropriate development of the ability to work maturely and responsibly in the laboratory.

### Biochemistry, B.S.

#### Objectives

There are two tracks available in the biochemistry major, ACS-certified track and General track.

The Bachelor of Science degree program, approved by the Committee on Professional Training of the American Chemical Society (ACS), **ACS certified track in Biochemistry**, is designed to prepare the student not only for immediate entry into the profession of biochemistry at the Bachelor's level but also for graduate study toward advanced degrees.

The Bachelor of Science degree program, **General track in Biochemistry**, provides the student with a flexible program that builds upon a solid fundamental knowledge in chemistry and

biochemistry. Students work with their advisors/chairperson to select upper division elective courses in emphasis areas like health sciences—which include but are not limited to medicine, pharmacy, dentistry, optometry—and areas such as forensics, environmental chemistry, education, etc.

Student learning outcomes for the biochemistry major:

1. Students understand essential concepts in chemistry and biochemistry.
2. Students exhibit competence in the chemistry/biochemistry laboratory.
3. Students demonstrate the ability to think critically in analyzing scientific information and problem solving.
4. Students will demonstrate effective written and oral communication skills.
5. Students are knowledgeable about career opportunities in the chemical sciences.
6. Students appreciate the value of science to society.

### Major Requirements

Lower Division Requirements: ACS-certified track and General track

- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
- CHEM 220 Organic Chemistry I 3 *semester hours*
- CHEM 221 Organic Chemistry I Lab 1 *semester hours*
- CHEM 222 Organic Chemistry II 3 *semester hours*
- CHEM 223 Organic Chemistry II Lab 1 *semester hours*
- BIOL 101 General Biology I 3 *semester hours*
- BIOL 111 General Biology I Lab 2 *semester hours*
- BIOL 201 Cell Function 3 *semester hours*
- BIOL 202 Genetics 3 *semester hours*
- CHEM 190 World of Chemistry and Biochemistry 1 *semester hours*
- MATH 122 Calculus for the Life Sciences I 3 *semester hours*
- MATH 123 Calculus for the Life Sciences II 3 *semester hours*
- PHYS 253 General Physics I 4 *semester hours*
- PHYS 254 General Physics II 4 *semester hours*

Note:

A grade of at least C (2.0) is required in each of the CHEM courses. With approval of the Chairperson, MATH 131 and MATH 132; PHYS 101 and PHYS 201 may be substituted, as a complete package, for MATH 122 and MATH 123; PHYS 253 and PHYS 254. An average of C (2.0) is required for the BIOL, MATH, and PHYS courses.

Upper Division Requirements: ACS-certified track

33 upper division semester hours of CHEM and CHEM/BIOL courses, including

- CHEM 330 Inorganic Chemistry 3 *semester hours*
- CHEM 331 Inorganic Chemistry Lab 1 *semester hours*
- CHEM 340 Physical Chemistry 3 *semester hours*
- CHEM 341 Physical Chemistry Lab 1 *semester hours*

- CHEM 360 Analytical Chemistry and Lab 4 semester hours
- CHEM 370 Biochemistry 3 semester hours
- CHEM 371 Biochemistry Lab 1 semester hours
- CHEM 372 Advanced Biochemistry 3 semester hours
- CHEM 373 Advanced Biochemistry Lab 1 semester hours
- CHEM 390 Chemistry Seminar 1 semester hours
- CHEM 391 Chemistry Seminar 1 semester hours
- CHEM 490 Chemistry Seminar 1 semester hours
- CHEM 491 Chemistry Seminar 1 semester hours

At least one lecture course is required from:

- CHEM 342 Advanced Physical Chemistry 3 semester hours
- CHEM 420 Advanced Organic Chemistry 3 semester hours
- CHEM 430 Advanced Inorganic Chemistry 3 semester hours
- CHEM 460 Instrumental Analysis and Lab 4 semester hours

The remaining semester hours may be fulfilled with any upper division chemistry elective or upper division biology electives selected from:

- BIOL 330 Embryology and Development 4 semester hours
- BIOL 351 General Physiology 3 semester hours
- BIOL 353 Plant Physiology 3 semester hours
- BIOL 356 Cell Biology 3 semester hours
- BIOL 359 Cell Biology Laboratory 1 semester hours
- BIOL 361 General Microbiology 3 semester hours
- BIOL 367 Biological Databases 3 semester hours
- BIOL 368 Bioinformatics Laboratory 1 semester hours
- BIOL 437 Plant Development 3 semester hours
- BIOL 439 Molecular Biology Applications 4 semester hours
- BIOL 443 Molecular Biology 3 semester hours
- BIOL 445 Endocrinology 3 semester hours
- BIOL 449 Immunology 3 semester hours
- BIOL 478 Molecular Biology of the Genome 4 semester hours
- BIOL 479 Molecular Mechanisms of Disease 3 semester hours or
- By consent of the Chairperson.

Upper Division Requirements: General track

32 upper division semester hours of CHEM and CHEM/BIOL courses, including

- CHEM 340 Physical Chemistry 3 semester hours
- CHEM 341 Physical Chemistry Lab 1 semester hours
- CHEM 360 Analytical Chemistry and Lab 4 semester hours
- CHEM 370 Biochemistry 3 semester hours
- CHEM 371 Biochemistry Lab 1 semester hours
- CHEM 372 Advanced Biochemistry 3 semester hours

- CHEM 373 Advanced Biochemistry Lab 1 semester hours
- CHEM 390 Chemistry Seminar 1 semester hours
- CHEM 391 Chemistry Seminar 1 semester hours
- CHEM 490 Chemistry Seminar 1 semester hours
- CHEM 491 Chemistry Seminar 1 semester hours

The remaining semester hours may be fulfilled with any upper division chemistry elective or upper division biology electives selected from:

- BIOL 330 Embryology and Development 4 semester hours
- BIOL 351 General Physiology 3 semester hours
- BIOL 353 Plant Physiology 3 semester hours
- BIOL 356 Cell Biology 3 semester hours
- BIOL 359 Cell Biology Laboratory 1 semester hours
- BIOL 361 General Microbiology 3 semester hours
- BIOL 367 Biological Databases 3 semester hours
- BIOL 368 Bioinformatics Laboratory 1 semester hours
- BIOL 437 Plant Development 3 semester hours
- BIOL 439 Molecular Biology Applications 4 semester hours
- BIOL 443 Molecular Biology 3 semester hours
- BIOL 445 Endocrinology 3 semester hours
- BIOL 449 Immunology 3 semester hours
- BIOL 478 Molecular Biology of the Genome 4 semester hours
- BIOL 479 Molecular Mechanisms of Disease 3 semester hours or
- By consent of the Chairperson.

Note:

Upper division elective courses must be approved by and developed in conjunction with your academic advisor/chairperson.

For both ACS-certified and General tracks:

Except for CHEM 390 and CHEM 490, an average grade of C (2.0) is required for courses included in the upper division requirements of the major. All upper division courses must be completed at LMU. Strongly recommended for those intending graduate study: CHEM 397/CHEM 497. A maximum of 12 semester hours of Chemistry/Biochemistry Internship and/or Directed Research (CHEM 393, CHEM 397, CHEM 493, CHEM 497) may be included toward the total baccalaureate requirement. CHEM courses with Credit/No Credit grading do not count toward the upper division elective requirements of the major.

To be eligible for the Dean's list, students must have completed 14 semester hours at LMU for that semester.

Biochemistry Curriculum—ACS-Certified Track

(124 S.H.)

Freshman Year

Fall Semester

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours

- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

#### Spring Semester

- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 17-19 semester hours

#### Sophomore Year

#### Fall Semester

- BIOL 201 Cell Function *3 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- MATH 123 Calculus for the Life Sciences II *3 semester hours*
- PHYS 254 General Physics II *4 semester hours*

Total: 14 semester hours\*

Note:

\* Dean's List requires minimum 14 semester hours

#### Spring Semester

- BIOL 202 Genetics *3 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours\*

Note:

\* Dean's List requires minimum 14 semester hours

#### Junior Year

#### Fall Semester

- CHEM 340 Physical Chemistry *3 semester hours*
- CHEM 341 Physical Chemistry Lab *1 semester hours*

- CHEM 370 Biochemistry *3 semester hours*
- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 390 Chemistry Seminar *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

#### Spring Semester

- CHEM 372 Advanced Biochemistry *3 semester hours*
- CHEM 373 Advanced Biochemistry Lab *1 semester hours*
- CHEM 391 Chemistry Seminar *1 semester hours*
- CHEM Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 17-20 semester hours

#### Senior Year

#### Fall Semester

- CHEM 330 Inorganic Chemistry *3 semester hours*
- CHEM 331 Inorganic Chemistry Lab *1 semester hours*
- CHEM 491 Chemistry Seminar *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-17 semester hours\*

Note:

\* Dean's List requires minimum 14 semester hours

#### Spring Semester

- CHEM 490 Chemistry Seminar *1 semester hours*
- CHEM/BIOL Upper Division Elective *3 semester hours*
- CHEM/BIOL Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-19 semester hours

Total: 124 semester hours

#### Biochemistry Curriculum—General Track

(125 S.H.)

#### Freshman Year

#### Fall Semester

- BIOL 101 General Biology I 3 *semester hours*
- BIOL 111 General Biology I Lab 2 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 190 World of Chemistry and Biochemistry 1 *semester hours*
- FFYS 1000 First Year Seminar 3 OR 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 16-18 semester hours

#### Spring Semester

- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
- MATH 122 Calculus for the Life Sciences I 3 *semester hours*
- PHYS 253 General Physics I 4 *semester hours*
- RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 17-19 semester hours

#### Sophomore Year

##### Fall Semester

- BIOL 201 Cell Function 3 *semester hours*
- CHEM 220 Organic Chemistry I 3 *semester hours*
- CHEM 221 Organic Chemistry I Lab 1 *semester hours*
- MATH 123 Calculus for the Life Sciences II 3 *semester hours*
- PHYS 254 General Physics II 4 *semester hours*

Total: 14 semester hours\*

Note:

\* Dean's List requires minimum 14 semester hours

##### Spring Semester

- BIOL 202 Genetics 3 *semester hours*
- CHEM 222 Organic Chemistry II 3 *semester hours*
- CHEM 223 Organic Chemistry II Lab 1 *semester hours*
- CHEM 360 Analytical Chemistry and Lab 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-15 semester hours\*

Note:

\* Dean's List requires minimum 14 semester hours

#### Junior Year

##### Fall Semester

- CHEM 340 Physical Chemistry 3 *semester hours*
- CHEM 341 Physical Chemistry Lab 1 *semester hours*
- CHEM 370 Biochemistry 3 *semester hours*
- CHEM 371 Biochemistry Lab 1 *semester hours*
- CHEM 390 Chemistry Seminar 1 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-17 semester hours

#### Spring Semester

- CHEM 372 Advanced Biochemistry 3 *semester hours*
- CHEM 373 Advanced Biochemistry Lab 1 *semester hours*
- CHEM 391 Chemistry Seminar 1 *semester hours*
- CHEM UD Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 17-20 semester hours

#### Senior Year

##### Fall Semester

- CHEM 491 Chemistry Seminar 1 *semester hours*
- CHEM/BIOL Upper Division Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 16-20 semester hours

##### Spring Semester

- CHEM 490 Chemistry Seminar 1 *semester hours*
- CHEM/BIOL Upper Division Elective 3 *semester hours*
- CHEM/BIOL Upper Division Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-19 semester hours

Total: 125 semester hours

### **Chemistry, B.S.**

#### Objectives

There are two tracks available in the chemistry major, ACS-certified track and General track.

The Bachelor of Science degree program, approved by the Committee on Professional Training of the American Chemical Society (ACS), **ACS-certified track in Chemistry**, is designed to prepare the student not only for immediate entry into the profession

of chemistry at the Bachelor's level but also for graduate study toward advanced degrees.

The Bachelor of Science degree program, **General track in Chemistry**, provides the student with a flexible program that builds upon a solid fundamental knowledge in chemistry. Students work with their advisors/chairperson to select upper division elective courses in emphasis areas like health sciences—which include but are not limited to medicine, pharmacy, dentistry, optometry—and areas such as forensics, environmental chemistry, education, etc.

Student learning outcomes for the chemistry major:

1. Students understand essential concepts in chemistry and biochemistry.
2. Students exhibit competence in the chemistry/biochemistry laboratory.
3. Students demonstrate the ability to think critically in analyzing scientific information and problem solving.
4. Students will demonstrate effective written and oral communication skills.
5. Students are knowledgeable about career opportunities in the chemical sciences.
6. Students appreciate the value of science to society.

#### Major Requirements

Lower Division Requirements: ACS-certified track and General track

- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- CHEM 190 World of Chemistry and Biochemistry 1 semester hours
- CHEM 220 Organic Chemistry I 3 semester hours
- CHEM 221 Organic Chemistry I Lab 1 semester hours
- CHEM 222 Organic Chemistry II 3 semester hours
- CHEM 223 Organic Chemistry II Lab 1 semester hours
- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours
- MATH 123 Calculus for the Life Sciences II 3 semester hours
- PHYS 253 General Physics I 4 semester hours
- PHYS 254 General Physics II 4 semester hours

Note:

A grade of at least C (2.0) is required in each of the CHEM courses. With approval of the Chairperson, MATH 131 and MATH 132; PHYS 101 and PHYS 201 may be substituted, as a complete package, for MATH 122 and MATH 123; PHYS 253 and PHYS 254. An average of C (2.0) is required for the BIOL, MATH, and PHYS courses.

Upper Division Requirements: ACS-certified track

33 upper division semester hours of CHEM courses, including

- CHEM 330 Inorganic Chemistry 3 semester hours
- CHEM 331 Inorganic Chemistry Lab 1 semester hours
- CHEM 340 Physical Chemistry 3 semester hours
- CHEM 341 Physical Chemistry Lab 1 semester hours

- CHEM 360 Analytical Chemistry and Lab 4 semester hours
- CHEM 370 Biochemistry 3 semester hours
- CHEM 371 Biochemistry Lab 1 semester hours
- CHEM 390 Chemistry Seminar 1 semester hours
- CHEM 391 Chemistry Seminar 1 semester hours
- CHEM 490 Chemistry Seminar 1 semester hours
- CHEM 491 Chemistry Seminar 1 semester hours

For upper division CHEM electives, a minimum of 2 lecture courses and 1 lab credit must be selected from

- CHEM 342 Advanced Physical Chemistry 3 semester hours
- CHEM 343 Advanced Physical Chemistry Lab 1 semester hours
- CHEM 372 Advanced Biochemistry 3 semester hours
- CHEM 373 Advanced Biochemistry Lab 1 semester hours
- CHEM 420 Advanced Organic Chemistry 3 semester hours
- CHEM 421 Advanced Organic Chemistry Lab 1 semester hours
- CHEM 430 Advanced Inorganic Chemistry 3 semester hours
- CHEM 460 Instrumental Analysis and Lab 4 semester hours

Note:

The remaining semester hours may be fulfilled with any upper division chemistry elective.

Upper Division Requirements: General track

31 upper division semester hours of CHEM and CHEM/Emphasis courses, including

- CHEM 340 Physical Chemistry 3 semester hours
- CHEM 341 Physical Chemistry Lab 1 semester hours
- CHEM 360 Analytical Chemistry and Lab 4 semester hours
- CHEM 370 Biochemistry 3 semester hours
- CHEM 371 Biochemistry Lab 1 semester hours
- CHEM 390 Chemistry Seminar 1 semester hours
- CHEM 391 Chemistry Seminar 1 semester hours
- CHEM 490 Chemistry Seminar 1 semester hours
- CHEM 491 Chemistry Seminar 1 semester hours

Note:

CHEM upper division electives and Emphasis upper division electives can be selected from any 300- and 400-level courses offered in the Chemistry and Biochemistry Department. The Emphasis courses can also be selected from other CSE departments. All upper division elective courses must be approved by and developed in conjunction with your academic advisor/chairperson. Example emphasis areas are: Chemical Education, Environmental Chemistry, Health Sciences (Medicine, Pharmacy, Dentistry, Optometry, etc.), and others.

For both ACS-certified and General tracks:

Except for CHEM 390 and CHEM 490, an average grade of C (2.0) is required for courses included in the upper division requirements of the major. All upper division courses must be completed at LMU. Strongly recommended for those intending graduate study: CHEM 397/CHEM 497. A maximum of 12 semester hours of Chemistry/Biochemistry Internship and/or Directed Research (CHEM 393, CHEM 397, CHEM 493, CHEM 497) may be included toward the 124-hour baccalaureate requirement. CHEM courses with Credit/No Credit grading do not count toward the upper division elective requirements of the major.

To be eligible for the Dean's list, students must have completed 14 semester hours at LMU for that semester.

#### Chemistry Curriculum—ACS-Certified Track

(124 S.H.)

#### Freshman Year

##### Fall Semester

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 190 World of Chemistry and Biochemistry 1 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 16-18 semester hours

##### Spring Semester

- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours
- PHYS 253 General Physics I 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 17-19 semester hours

#### Sophomore Year

##### Fall Semester

- CHEM 220 Organic Chemistry I 3 semester hours
- CHEM 221 Organic Chemistry I Lab 1 semester hours
- MATH 123 Calculus for the Life Sciences II 3 semester hours
- PHYS 254 General Physics II 4 semester hours
- University Core 3-4 semester hours

Total: 14-15 semester hours\*

##### Spring Semester

- CHEM 222 Organic Chemistry II 3 semester hours

- CHEM 223 Organic Chemistry II Lab 1 semester hours
- CHEM 360 Analytical Chemistry and Lab 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours\*

Note:

\* Dean's List requires minimum 14 semester hours

#### Junior Year

##### Fall Semester

- CHEM 340 Physical Chemistry 3 semester hours
- CHEM 341 Physical Chemistry Lab 1 semester hours
- CHEM 370 Biochemistry 3 semester hours
- CHEM 371 Biochemistry Lab 1 semester hours
- CHEM 390 Chemistry Seminar 1 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

##### Spring Semester

- CHEM 391 Chemistry Seminar 1 semester hours
- CHEM Upper Division Elective 4 semester hours
- CHEM/Emphasis Upper Division Elective 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 17-20 semester hours

#### Senior Year

##### Fall Semester

- CHEM 330 Inorganic Chemistry 3 semester hours
- CHEM 331 Inorganic Chemistry Lab 1 semester hours
- CHEM 491 Chemistry Seminar 1 semester hours
- CHEM Upper Division Elective 3 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Elective 1 semester hour

Total: 15-17 semester hours

##### Spring Semester

- CHEM 490 Chemistry Seminar 1 semester hours
- CHEM Upper Division Elective 3 semester hours
- Upper Division Elective 3-4 semester hours
- Elective 3-4 semester hours

- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-20 semester hours

Total: 124 semester hours

#### Chemistry Curriculum—General Track

##### Freshman Year

##### Fall Semester

- BIOL 101 General Biology I 3 *semester hours*
- BIOL 111 General Biology I Lab 2 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 190 World of Chemistry and Biochemistry 1 *semester hours*
- FFYS 1000 First Year Seminar 3 OR 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 16-18 semester hours

##### Spring Semester

- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
- MATH 122 Calculus for the Life Sciences I 3 *semester hours*
- PHYS 253 General Physics I 4 *semester hours*
- RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 17-19 semester hours

##### Sophomore Year

##### Fall Semester

- CHEM 220 Organic Chemistry I 3 *semester hours*
- CHEM 221 Organic Chemistry I Lab 1 *semester hours*
- MATH 123 Calculus for the Life Sciences II 3 *semester hours*
- PHYS 254 General Physics II 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-15 semester hours\*

##### Spring Semester

- CHEM 222 Organic Chemistry II 3 *semester hours*
- CHEM 223 Organic Chemistry II Lab 1 *semester hours*
- CHEM 360 Analytical Chemistry and Lab 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-16 semester hours\*

Note:

\* Dean's List requires minimum 14 semester hours

##### Junior Year

##### Fall Semester

- CHEM 340 Physical Chemistry 3 *semester hours*
- CHEM 341 Physical Chemistry Lab 1 *semester hours*
- CHEM 370 Biochemistry 3 *semester hours*
- CHEM 371 Biochemistry Lab 1 *semester hours*
- CHEM 390 Chemistry Seminar 1 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-17 semester hours

##### Spring Semester

- CHEM 391 Chemistry Seminar 1 *semester hours*
- CHEM Upper Division Elective 3 *semester hours*
- CHEM/Emphasis Upper Division Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-19 semester hours

##### Senior Year

##### Fall Semester

- CHEM 491 Chemistry Seminar 1 *semester hours*
- CHEM Upper Division Elective 3 *semester hours*
- CHEM/Emphasis Upper Division Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-19 semester hours

##### Spring Semester

- CHEM 490 Chemistry Seminar 1 *semester hours*
- CHEM/Emphasis Upper Division Elective 3 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-20 semester hours

Total: 124 semester hours

### Biochemistry Minor

Minor Requirements: Biochemistry

- BIOL 101 General Biology I 3 *semester hours*
- BIOL 111 General Biology I Lab 2 *semester hours*
- BIOL 201 Cell Function 3 *semester hours*
- BIOL 202 Genetics 3 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
- CHEM 220 Organic Chemistry I 3 *semester hours*
- CHEM 221 Organic Chemistry I Lab 1 *semester hours*
- CHEM 222 Organic Chemistry II 3 *semester hours*
- CHEM 223 Organic Chemistry II Lab 1 *semester hours*
- CHEM 370 Biochemistry 3 *semester hours*

And 4 additional upper division semester hours selected from

- CHEM 371 Biochemistry Lab 1 *semester hours*
- CHEM 372 Advanced Biochemistry 3 *semester hours*
- CHEM 373 Advanced Biochemistry Lab 1 *semester hours*
- CHEM 480 Medicinal Chemistry 3 *semester hours* or
- Other advanced biochemical elective including one upper division laboratory course.

Note:

These must be selected under the direction of the Chairperson of the Department. CHEM 370 and other upper division courses used for the minor cannot also count toward the individual's major. A grade of C (2.0) is required for CHEM courses included in the lower division requirements of the minor. An average grade of C (2.0) is required for all other courses included in the requirements of the minor.

### Chemistry Minor

Minor Requirements: Chemistry

- BIOL 101 General Biology I 3 *semester hours*
- BIOL 111 General Biology I Lab 2 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
- CHEM 220 Organic Chemistry I 3 *semester hours*
- CHEM 221 Organic Chemistry I Lab 1 *semester hours*
- CHEM 222 Organic Chemistry II 3 *semester hours*
- CHEM 223 Organic Chemistry II Lab 1 *semester hours*
- A minimum of 7 upper division semester hours of CHEM courses including one upper division laboratory course.

Note:

These must be selected under the direction of the Chairperson of the Department. CHEM 370 does not count as an upper division course for the minor (see Biochemistry Minor). Upper division chemistry courses used for the minor cannot also count toward the individual's major.

A grade of at least C (2.0) is required for CHEM courses included in the lower division requirements of the minor. An average grade of C (2.0) is required for all other courses included in the requirements of the minor.

No chemistry minor is available in conjunction with a biochemistry major. It is suggested that the student interested in in-depth study of both subjects should major in chemistry and minor in biochemistry.

### Civil Engineering and Environmental Science

#### Faculty

Chairperson: Donald Kendall\*

Professors: Rachel G. Adams, John H. Dorsey, Michael E.

Manoogian\*, Jeremy S. Pal, Joseph C. Reichenberger\*, William J. Trott\*

Assistant Professors: Sunai Kim\*, Joseph Weber\*

Clinical Professor: Donald Kendall\*

Lecturer: Dennis Kasper\*

Graduate Program Director: Jeremy S. Pal

\* Registered Professional Engineer

#### Description

The civil engineer applies a wide spectrum of engineering, scientific, and economic principles to plan, design, and oversee a wide variety of public and private infrastructure projects which improve the quality of life, protect the environment, and facilitate economic growth. These projects include roads and highways, railroads, mass transit systems, airports, bridges, buildings, structures, harbors, flood control and drainage works, water supply, treatment and distribution systems, wastewater treatment and reuse systems, irrigation systems, pipelines, and power plants.

#### Program Mission

The mission of the Department of Civil Engineering and Environmental Science is to provide opportunities for students to develop the skills and knowledge necessary to become productive professionals through a rigorous, student-centered curriculum that balances theory and practice, serving the needs of society by emphasizing sustainability and environmental justice and meets the challenges of an ever-changing, complex world through a dynamic engineering program.

#### Civil Engineering, B.S.E.

The civil engineering curriculum emphasizes practicality and design, supported by a strong background in scientific and mathematical concepts. The undergraduate program provides a broad background in all aspects of civil engineering, providing our graduates with the flexibility to practice in any of the specialties or to pursue an advanced degree. The program provides an opportunity to get hands-on experience with classes in surveying as well as laboratories in fluid mechanics, hydraulics, soil mechanics, mechanics of materials, structures, steel, and reinforced concrete design. Engineering design experiences are integrated throughout the curriculum beginning with the freshman engineering courses and extending through the last semester of the senior year. Design courses provide working experience with computer software used in the profession. Group and team projects prepare the student for real world engineering experiences.

## Accreditation

The Civil Engineering undergraduate program is accredited by the Engineering Accreditation Commission of the ABET, <http://www.abet.org>.

## Program Educational Objectives

The Civil Engineering undergraduate program has established the following program educational objectives that are consistent with the mission of the University and the Frank R. Seaver College of Science and Engineering and that describe the expected accomplishments of graduates during the first several years following graduation. Civil Engineering program graduates will:

1. Be productive in the civil engineering profession or other professional fields;
2. Uphold the code of ethics of the profession and be cognizant of social equity issues in the practice of civil engineering;
3. Further develop their professional and technical skills through graduate studies and continuing education;
4. Be involved with civil engineering professional organizations; and
5. Exhibit leadership in the practice of civil engineering.

To accomplish these program educational objectives, analysis and design courses in the fields of environmental, geotechnical, hydraulic, structural, and water resources engineering are offered in addition to preparatory courses in oral and written communications, mathematics, sciences, and basic mechanics. A broad base of theory and design is provided along with discussion of current issues and practices of the profession. Through class assignments, students will become proficient in the use of computers and pertinent software, spreadsheets, presentations, drawing, and geographical information system (GIS) programs. Integrated with these courses is the University core curriculum.

## Student Outcomes

The Civil Engineering undergraduate program has established the following student outcomes:

- a. An ability to apply knowledge of mathematics, science, and engineering.
- b. An ability to design and conduct experiments, as well as to analyze and interpret data
- c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- d. An ability to function on multidisciplinary team
- e. An ability to identify, formulate, and solve engineering problems
- f. An understanding of professional and ethical responsibility
- g. An ability to communicate effectively
- h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- i. A recognition of the need for, and an ability to engage in life-long learning
- j. A knowledge of contemporary issues
- k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

## Civil Engineering Curriculum

## Transfer Requirements

Students who are currently enrolled in another major at LMU, but are interested in changing their major to CIVL, must complete CHEM 111, CHEM 114; ENGR 200; MATH 131, MATH 132; and PHYS 101 with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the Chair of the Civil Engineering Department.

## Major Requirements

### (131 semester hours required)

The program shown below is the recommended sequence for a major in civil engineering. A customized program is available in consultation with your faculty advisor, although it must meet minimum ABET-related standards. Students may focus in one or more areas of civil engineering by selecting a minimum of three electives in a particular area of concentration. Electives cannot count for any more than one area of concentration. Selected elective courses will be offered during each academic year.

A minimum of 32 semester hours of science and math, and 48 semester hours of engineering topics are required.

### Lower Division Requirements:

- BIOL 114 Biology for Engineers 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 114 General Chemistry for Engineers 3 *semester hours*
- CIVL 200 Mechanics of Materials 3 *semester hours*
- CIVL 210 Surveying and Mapping 3 *semester hours*
- CIVL 230 Particle Dynamics 2 *semester hours*
- CIVL 250 Thermal-Fluid Systems 3 *semester hours*
- ELEC 210 Electric Circuit Analysis 3 *semester hours*
- ELEC 213 Electric Circuit Analysis Lab 0 *semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design 3 *semester hours*
- ENGR 160 Algorithms and Applications 3 *semester hours*
- ENGR 200 Statics 3 *semester hours*
- MATH 131 Calculus I 4 *semester hours*
- MATH 132 Calculus II 4 *semester hours*
- MATH 234 Calculus III 4 *semester hours*
- MATH 245 Ordinary Differential Equations 3 *semester hours*
- PHYS 101 Introduction to Mechanics 4 *semester hours*
- PHYS 201 Introduction to Electricity and Magnetism 4 *semester hours*

### Upper Division Requirements:

- CIVL 302 Seismic Design of Structures 3 *semester hours*
- CIVL 305 Structural Theory 3 *semester hours*
- CIVL 310 Fluid Mechanics I 3 *semester hours*
- CIVL 311 Fluid Mechanics Lab 1 *semester hours*
- CIVL 320 Introduction to Environmental Engineering 3 *semester hours*
- CIVL 395 Engineering Economics and Decision Theory 3 *semester hours*
- CIVL 400 Fundamentals of Water and Wastewater Treatment 3 *semester hours*

- CIVL 406 Water Resources Planning and Design 3 semester hours
- CIVL 410 Soil Mechanics 4 semester hours
- CIVL 411 Design of Foundations and Earth Structures 3 semester hours
- CIVL 460 Civil Engineering Design 4 semester hours
- MATH 360 Introduction to Probability and Statistics 3 semester hours or equivalent
- Science/Math elective 3 semester hours
- Civil Engineering or Environmental Science electives 12 semester hours

#### Civil Engineering Four-Year Plan

##### Freshman Year

##### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 114 General Chemistry for Engineers 3 semester hours
- MATH 131 Calculus I 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

Total: 14-15 semester hours

##### Spring Semester

- BIOL 114 Biology for Engineers 3 semester hours
- ENGR 160 Algorithms and Applications 3 semester hours
- MATH 132 Calculus II 4 semester hours
- PHYS 101 Introduction to Mechanics 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 17-18 semester hours

##### Sophomore Year

##### Fall Semester

- ELEC 210 Electric Circuit Analysis 3 semester hours
- ELEC 213 Electric Circuit Analysis Lab 0 semester hours
- ENGR 200 Statics 3 semester hours
- MATH 234 Calculus III 4 semester hours
- PHYS 201 Introduction to Electricity and Magnetism 4 semester hours
- University Core 3-4 semester hours

Total: 17-18 semester hours

##### Spring Semester

- CIVL 200 Mechanics of Materials 3 semester hours
- CIVL 210 Surveying and Mapping 3 semester hours
- CIVL 230 Particle Dynamics 2 semester hours
- CIVL 250 Thermal-Fluid Systems 3 semester hours

- MATH 245 Ordinary Differential Equations 3 semester hours
- University Core 3-4 semester hours

Total: 17-18 semester hours

##### Junior Year

##### Fall Semester

- CIVL 305 Structural Theory 3 semester hours
- CIVL 310 Fluid Mechanics I 3 semester hours
- CIVL 311 Fluid Mechanics Lab 1 semester hours
- CIVL 320 Introduction to Environmental Engineering 3 semester hours
- Science/Math Elective 3 semester hours
- University Core 3-4 semester hours

Total: 16-17 semester hours

##### Spring Semester

- CIVL 302 Seismic Design of Structures 3 semester hours
- CIVL 395 Engineering Economics and Decision Theory 3 semester hours
- CIVL 406 Water Resources Planning and Design 3 semester hours
- MATH 360 Introduction to Probability and Statistics 3 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

##### Senior Year

##### Fall Semester

- CIVL 400 Fundamentals of Water and Wastewater Treatment 3 semester hours
- CIVL 410 Soil Mechanics 4 semester hours
- CIVL/ENVS Elective 3 semester hours
- CIVL/ENVS Elective 3 semester hours
- University Core 3-4 semester hours

Total: 16-17 semester hours

##### Spring Semester

- CIVL 411 Design of Foundations and Earth Structures 3 semester hours
- CIVL 460 Civil Engineering Design 4 semester hours
- CIVL/ENVS Elective 3 semester hours
- CIVL/ENVS Elective 3 semester hours
- University Core (if needed to complete Core requirements)

Total: 13 semester hours

Total Semester Hours: 131 semester hours

Electives/Areas of Concentration

**Electives/Areas of Concentration**

Course	General Structural		Water Resources	Environmental Geotechnical Transportation Sustainability			
ENVS 500 Geology	X	X	X	X	X	X	X
ENVS 504 Climate Change, Impacts, and Sustainability			X	X			X
ENVS 515 Environmental Impact Reports	X		X	X		X	X
ENVS 518 Applied Oceanography	X	X		X	X		X
ENVS 525 Inland Waters			X	X			X
ENVS 533 Aquatic Chemistry				X			
ENVS 635 Chemical Fate and Transport				X			
ENVS 544 Applied Microbiology				X			
ENVS 550 Watershed Function and Protection	X		X	X		X	X
ENVS 598—Toxicology				X			X
ENVS 420 Environmental Systems Lab				X			
CIVL 415 Reinforced Concrete Design		X			X	X	
CIVL 503 Engineering Sustainability and LEED	X	X	X	X		X	
CIVL 510 Open Channel Hydraulics	X		X	X		X	
CIVL 511 Hydraulic Analysis and Design	X		X	X		X	
CIVL 512 Air Pollution Analysis				X			X
CIVL 513 Solid Wastes Engineering				X	X		X
CIVL 514 Groundwater Hydrology	X		X	X	X	X	
CIVL 515 Industrial Waste Management				X			X
CIVL 520 Computers and Environmental Analysis	X	X	X	X	X	X	
CIVL 531 Principles of Water Quality Management				X			
CIVL 534 Groundwater Management			X	X	X		

CIVL 548 Hazardous Substances Management			X	X		X
CIVL 549 Hazardous Waste Remediation			X	X		X
CIVL 550 Fundamentals of Environmental Risk Management			X			X
CIVL 554 Surface Water Hydrology	X	X	X	X	X	
CIVL 595 Structural Steel Design		X				X
CIVL 598—Highway Engineering	X	X		X	X	
CIVL 598—Traffic Engineering	X					X
CIVL 598—Construction Engineering	X					

### Groundwater Management Certificate

#### Description

The graduate certificate programs in Civil Engineering are offered to City of Los Angeles Bureau of Engineering Management employees seeking to acquire environmental engineering fundamentals without commitment to a full Master's degree program. Currently, four certificates are offered, each requiring three courses: Water Quality Management, Water and Wastewater Treatment, Groundwater Management, and Sustainability.

#### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or better on a four-point scale. Upon completion of one of more certificates, the student may formally apply and enroll (pending acceptance) into the Master of Science programs in Civil Engineering or Environmental Science, and all courses completed toward the certificates will be applied towards the Master's degree.

- CIVL 608 Groundwater Hydrology 3 semester hours
- CIVL 634 Groundwater Management 3 semester hours
- CIVL 656 Water Resources Systems Modeling 3 semester hours

#### Certificate Program Admissions Requirements

- B.S. or higher degree in any engineering discipline or consent of the program director
- Resume/Curriculum Vitae and/or a one-paragraph professional biography

### Sustainability Certificate

#### Description

The graduate certificate programs in Civil Engineering are offered to City of Los Angeles Bureau of Engineering Management employees

seeking to acquire environmental engineering fundamentals without commitment to a full Master's degree program. Currently, four certificates are offered, each requiring three courses: Water Quality Management, Water and Wastewater Treatment, Groundwater Management, and Sustainability.

#### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or better on a four-point scale. Upon completion of one of more certificates, the student may formally apply and enroll (pending acceptance) into the Master of Science programs in Civil Engineering or Environmental Science, and all courses completed toward the certificates will be applied towards the Master's degree.

- CIVL 603 Engineering Sustainability and LEED 3 semester hours
- CIVL 604 Climate Change, Impacts, and Sustainability 3 semester hours
- ENV5 631 Principles of Water Quality Management 3 semester hours

#### Certificate Program Admissions Requirements

- B.S. or higher degree in any engineering discipline or consent of the program director
- Resume/Curriculum Vitae and/or a one-paragraph professional biography

### Water and Wastewater Treatment Certificate

#### Description

The graduate certificate programs in Civil Engineering are offered to City of Los Angeles Bureau of Engineering Management employees seeking to acquire environmental engineering fundamentals without commitment to a full Master's degree program. Currently, four certificates are offered, each requiring three courses: Water Quality Management, Water and Wastewater Treatment, Groundwater Management, and Sustainability.

## Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or better on a four-point scale. Upon completion of one or more certificates, the student may formally apply and enroll (pending acceptance) into the Master of Science programs in Civil Engineering or Environmental Science, and all courses completed toward the certificates will be applied towards the Master's degree.

- CIVL 640 Physical and Chemistry Treatment Processes 3 semester hours
- CIVL 641 Biological Treatment Processes 3 semester hours
- CIVL 602 Membrane Treatment Systems 3 semester hours or
- CIVL 610 Water and Wastewater Treatment Systems Design 3 semester hours

## Certificate Program Admissions Requirements

- B.S. or higher degree in any engineering discipline or consent of the program director
- Resume/Curriculum Vitae and/or a one-paragraph professional biography

## Water Quality Management Certificate

### Description

The graduate certificate programs in Civil Engineering are offered to City of Los Angeles Bureau of Engineering Management employees seeking to acquire environmental engineering fundamentals without commitment to a full Master's degree program. Currently, four certificates are offered, each requiring three courses: Water Quality Management, Water and Wastewater Treatment, Groundwater Management, and Sustainability.

### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or better on a four-point scale. Upon completion of one or more certificates, the student may formally apply and enroll (pending acceptance) into the Master of Science programs in Civil Engineering or Environmental Science, and all courses completed toward the certificates will be applied towards the Master's degree.

- ENVS 631 Principles of Water Quality Management 3 semester hours
- ENVS 633 Aquatic Chemistry 3 semester hours
- ENVS 635 Chemical Fate and Transport 3 semester hours

## Certificate Program Admissions Requirements

- B.S. or higher degree in any engineering discipline or consent of the program director
- Resume/Curriculum Vitae and/or a one-paragraph professional biography

## Civil Engineering, M.S.E.

### Objectives

The Civil Engineering and Environmental Science graduate program has established the following program educational objectives that are consistent with the mission of the University and that describe the expected accomplishments of graduates during the first several years following graduation. Civil Engineering and Environmental Science program graduates will:

- Be productive in their profession;
- Uphold the code of ethics of the profession and be cognizant of social justice issues in the practice of civil engineering and environmental science;
- Further develop their professional and technical skills through additional graduate studies and continuing education;
- Be involved with professional organizations in their field of interest; and
- Exhibit leadership in the practice of civil engineering and environmental science.

To accomplish these program educational objectives, analysis and design courses in the fields of water resources, hydraulics, environmental engineering and environmental science are offered with additional opportunities to broaden their education through courses in other departments, independent study and directed research resulting in a thesis. A broad base of theory and design is provided integrating current issues and professional practices.

### Admission Requirements

All applicants must possess a bachelor of science (B.S.) degree or undergraduate engineering degree, which shall include:

- General Chemistry, 3 semester hours (1 course)
- Mathematics through one year of college calculus

**Total all science:** 12 semester hours or 4 courses, which could include biology, microbiology, chemistry, or physics.

The Department may require new applicants who lack an adequate background in mathematics, chemistry, or science to take additional courses prior to being admitted to or continuing in the program.

A completed application form and \$50 application fee. Admission into the program is in strict conformity with the requirements for all graduate students. Upon review of the student's undergraduate and professional preparation, additional admission requirements may be set by the Civil Engineering Graduate Studies Committee of the Department.

### Program Requirements

The LMU graduate program in civil engineering and environmental science offers four major fields of study: 1) M.S. in Engineering in Civil Engineering with an emphasis in Environmental Engineering, 2) M.S. in Engineering in Civil Engineering with an emphasis in Water Resources Engineering and Hydrology, 3) M.S. in Environmental Science, and 4) M.S. in Environmental Science with an emphasis in Urban Ecology.

The candidate for the Master of Science in Engineering degree in Civil Engineering or Master of Science in Environmental Science must satisfy the following requirements:

I. Complete with a 3.0 ("B") average a minimum of 30 semester hours

which include core courses listed in item 1A below and elective courses listed in item 1B below. At least 18 semester hours must be at the 600 level. Students that have taken any of the core or elective

courses below as part of his/her undergraduate degree at LMU will be required to take a different course as part of the M.S. program. (Equivalent courses at other institutions will be considered on a case by case basis.) Requirements for students on the Urban Ecology track are determined in consultation with the Director of the program.

#### A. Required core courses for each field of study

M.S. in Civil Engineering with emphasis in Environmental Engineering:

##### Required

- CIVL 504 Applied Fluid Mechanics *3 semester hours* unless an equivalent course has been taken
- CIVL 600 Comprehensive Exam *0 semester hours*
- ENVS 631 Principles of Water Quality Management *3 semester hours*
- ENVS 633 Aquatic Chemistry *3 semester hours*

Choose 5 from the following

- CIVL 603 Engineering Sustainability and LEED *3 semester hours*
- CIVL 604 Climate Change, Impacts, and Sustainability *3 semester hours*
- CIVL 610 Water and Wastewater Treatment Systems Design *3 semester hours*
- CIVL 620 Computer and Environmental Analysis *3 semester hours*
- CIVL 640 Physical and Chemistry Treatment Processes *3 semester hours*
- CIVL 641 Biological Treatment Processes *3 semester hours*
- ENVS 635 Chemical Fate and Transport *3 semester hours*
- ENVS 644 Applied Microbiology *3 semester hours*
- ENVS 645 Environmental Engineering and Science Laboratory *3 semester hours*

M.S. in Civil Engineering with emphasis in Water Resources Engineering:

##### Required

- CIVL 504 Applied Fluid Mechanics *3 semester hours* unless previously taken as part of another program
- CIVL 600 Comprehensive Exam *0 semester hours*
- ENVS 631 Principles of Water Quality Management *3 semester hours*

Choose 5 from the following

- CIVL 604 Climate Change, Impacts, and Sustainability *3 semester hours*
- CIVL 607 Hydraulic Analysis and Design *3 semester hours*
- CIVL 608 Groundwater Hydrology *3 semester hours*
- CIVL 609 Open Channel Hydraulics *3 semester hours*
- CIVL 620 Computer and Environmental Analysis *3 semester hours*

- CIVL 634 Groundwater Management *3 semester hours*
- CIVL 654 Surface Water Hydrology *3 semester hours*
- ENVS 633 Aquatic Chemistry *3 semester hours*
- ENVS 635 Chemical Fate and Transport *3 semester hours*

M.S. in Environmental Science:

##### Required

- CIVL 504 Applied Fluid Mechanics *3 semester hours*
- ENVS 631 Principles of Water Quality Management *3 semester hours*
- ENVS 633 Aquatic Chemistry *3 semester hours*
- CIVL 600 Comprehensive Exam *0 semester hours*

Choose 5 of the following

- CIVL 603 Engineering Sustainability and LEED *3 semester hours*
- CIVL 604 Climate Change, Impacts, and Sustainability *3 semester hours*
- CIVL 608 Groundwater Hydrology *3 semester hours*
- CIVL 634 Groundwater Management *3 semester hours*
- CIVL 640 Physical and Chemistry Treatment Processes *3 semester hours*
- CIVL 641 Biological Treatment Processes *3 semester hours*
- CIVL 654 Surface Water Hydrology *3 semester hours*
- ENVS 635 Chemical Fate and Transport *3 semester hours*
- ENVS 644 Applied Microbiology *3 semester hours*
- ENVS 645 Environmental Engineering and Science Laboratory *3 semester hours*

#### B. Courses in other departments

Courses in other departments (maximum of 3 semester hours), independent studies (maximum of 3 semester hours), and thesis preparation (maximum of 6 semester hours) may be taken as additional electives with the consent of the Program Director and the other department.

C. The remaining semester hours would be elective courses from the list below, to bring the total semester hours to 30.

Graduate Courses (See sections 1A and 1B above for required core courses and elective courses in each field of study. A description of each course is provided in the Course Description section.)

- BIOL 521 Urban Ecology *3 semester hours*
- CIVL 504 Applied Fluid Mechanics *3 semester hours*
- CIVL 602 Membrane Treatment Systems *3 semester hours*
- CIVL 603 Engineering Sustainability and LEED *3 semester hours*
- CIVL 604 Climate Change, Impacts, and Sustainability *3 semester hours*
- CIVL 605 Engineering Communications *3 semester hours*
- CIVL 607 Hydraulic Analysis and Design *3 semester hours*
- CIVL 608 Groundwater Hydrology *3 semester hours*

- CIVL 609 Open Channel Hydraulics 3 semester hours
- CIVL 610 Water and Wastewater Treatment Systems Design 3 semester hours
- CIVL 612 Air Pollution Analysis 3 semester hours
- CIVL 613 Solid Wastes Engineering 3 semester hours
- CIVL 614 Industrial Waste Management 3 semester hours
- CIVL 615 Theory and Design of Waste Outfall Systems 2 semester hours
- CIVL 620 Computer and Environmental Analysis 3 semester hours
- CIVL 634 Groundwater Management 3 semester hours
- CIVL 635 Contaminant Transport Groundwater 3 semester hours
- CIVL 640 Physical and Chemistry Treatment Processes 3 semester hours
- CIVL 641 Biological Treatment Processes 3 semester hours
- CIVL 648 Hazardous Substance Management 3 semester hours
- CIVL 649 Contaminated Site Remediation 3 semester hours
- CIVL 650 Fundamentals of Environmental Health Risk Assessment 3 semester hours
- CIVL 654 Surface Water Hydrology 3 semester hours
- CIVL 656 Water Resources Systems Modeling 3 semester hours
- CIVL 665 Economics of Water Resources 3 semester hours
- CIVL 670 Contracts and Specifications 3 semester hours
- CIVL 695 Master Thesis 3 semester hours (see Item 3 below)
- CIVL 699 Independent Studies 1 TO 4 semester hours or
- ENVS 699 Independent Studies 1 TO 4 semester hours (maximum of 3 semester hours)
- ENVS 500 Geology 3 semester hours
- ENVS 600 Ecology of Resilient Cities 3 semester hours
- ENVS 601 Behavioral Ecology and Management of Urban Wildlife 3 semester hours
- ENVS 602 Land Use, Legacies, and Transformation in Urban Ecosystems 3 semester hours
- ENVS 603 Advanced Topics in Urban Ecology 3 semester hours
- ENVS 615 Environmental Impact Reports 3 semester hours
- ENVS 618 Applied Oceanography 3 semester hours
- ENVS 625 Inland Waters 3 semester hours
- ENVS 631 Principles of Water Quality Management 3 semester hours
- ENVS 633 Aquatic Chemistry 3 semester hours
- ENVS 635 Chemical Fate and Transport 3 semester hours
- ENVS 644 Applied Microbiology 3 semester hours
- ENVS 645 Environmental Engineering and Science Laboratory 3 semester hours
- ENVS 650 Watershed Function and Protection 3 semester hours

## II. Successfully complete

- CIVL 600 Comprehensive Exam 0 semester hours for M.S. in Engineering or M.S. in Environmental Science

## III. Thesis Option.

With the consent of the Department, the student may elect a thesis, which may satisfy up to 6 semester hours of the elective requirements. The student may enroll for a maximum of 3 semester hours of Master's Thesis in any semester or summer session for a maximum of 6 semester hours. Students electing this option must obtain a thesis advisor before Departmental consent will be considered. Formal requirements may be obtained from the Department.

Note:

**In addition to the above requirements, the candidate of the Master of Science in Engineering degree in Civil Engineering (Environmental Engineering emphasis and Water Resources Engineering emphasis) must possess an undergraduate Engineering degree or pass the Fundamentals of Engineering examination given by the State of California prior to applying for graduation.**

## Environmental Science, M.S.

### Admission Requirements

All applicants must possess a bachelor of science (B.S.) degree or undergraduate engineering degree, which shall include:

- General Chemistry, 3 semester hours (1 course)
- Mathematics through one year of college calculus

**Total all science:** 12 semester hours or 4 courses, which could include biology, microbiology, chemistry, or physics.

The Department may require new applicants who lack an adequate background in mathematics, chemistry, or science to take additional courses prior to being admitted to or continuing in the program.

A completed application form and \$50 application fee. Admission into the program is in strict conformity with the requirements for all graduate students. Upon review of the student's undergraduate and professional preparation, additional admission requirements may be set by the Civil Engineering Graduate Studies Committee of the Department.

### Program Requirements

The LMU graduate program in civil engineering and environmental science offers four major fields of study: 1) M.S. in Engineering in Civil Engineering with an emphasis in Environmental Engineering, 2) M.S. in Engineering in Civil Engineering with an emphasis in Water Resources Engineering and Hydrology, 3) M.S. in Environmental Science, and 4) M.S. in Environmental Science with an emphasis in Urban Ecology.

The candidate for the Master of Science in Engineering degree in Civil Engineering or Master of Science in Environmental Science must satisfy the following requirements:

- I. Complete with a 3.0 ("B") average a minimum of 30 semester hours

which include core courses listed in item 1A below and elective courses listed in item 1B below. At least 18 semester hours must be at the 600 level. Students that have taken any of the core or elective courses below as part of his/her undergraduate degree at LMU will be required to take a different course as part of the M.S. program. (Equivalent courses at other institutions will be considered on a case by case basis.) Requirements for students on the Urban Ecology track are determined in consultation with the Director of the program.

#### A. Required core courses for each field of study

M.S. in Civil Engineering with emphasis in Environmental Engineering:

##### Required

- CIVL 504 Applied Fluid Mechanics *3 semester hours* unless an equivalent course has been taken
- CIVL 600 Comprehensive Exam *0 semester hours*
- ENVS 631 Principles of Water Quality Management *3 semester hours*
- ENVS 633 Aquatic Chemistry *3 semester hours*

Choose 5 from the following

- CIVL 603 Engineering Sustainability and LEED *3 semester hours*
- CIVL 604 Climate Change, Impacts, and Sustainability *3 semester hours*
- CIVL 610 Water and Wastewater Treatment Systems Design *3 semester hours*
- CIVL 620 Computer and Environmental Analysis *3 semester hours*
- CIVL 640 Physical and Chemistry Treatment Processes *3 semester hours*
- CIVL 641 Biological Treatment Processes *3 semester hours*
- ENVS 635 Chemical Fate and Transport *3 semester hours*
- ENVS 644 Applied Microbiology *3 semester hours*
- ENVS 645 Environmental Engineering and Science Laboratory *3 semester hours*

M.S. in Civil Engineering with emphasis in Water Resources Engineering:

##### Required

- CIVL 504 Applied Fluid Mechanics *3 semester hours* unless previously taken as part of another program
- CIVL 600 Comprehensive Exam *0 semester hours*
- ENVS 631 Principles of Water Quality Management *3 semester hours*

Choose 5 from the following

- CIVL 604 Climate Change, Impacts, and Sustainability *3 semester hours*
- CIVL 607 Hydraulic Analysis and Design *3 semester hours*
- CIVL 608 Groundwater Hydrology *3 semester hours*
- CIVL 609 Open Channel Hydraulics *3 semester hours*

- CIVL 620 Computer and Environmental Analysis *3 semester hours*
- CIVL 634 Groundwater Management *3 semester hours*
- CIVL 654 Surface Water Hydrology *3 semester hours*
- ENVS 633 Aquatic Chemistry *3 semester hours*
- ENVS 635 Chemical Fate and Transport *3 semester hours*

M.S. in Environmental Science:

##### Required

- CIVL 504 Applied Fluid Mechanics *3 semester hours*
- ENVS 631 Principles of Water Quality Management *3 semester hours*
- ENVS 633 Aquatic Chemistry *3 semester hours*
- CIVL 600 Comprehensive Exam *0 semester hours*

Choose 5 of the following

- CIVL 603 Engineering Sustainability and LEED *3 semester hours*
- CIVL 604 Climate Change, Impacts, and Sustainability *3 semester hours*
- CIVL 608 Groundwater Hydrology *3 semester hours*
- CIVL 634 Groundwater Management *3 semester hours*
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- ENVS 635 Chemical Fate and Transport *3 semester hours*
- ENVS 644 Applied Microbiology *3 semester hours*
- ENVS 645 Environmental Engineering and Science Laboratory *3 semester hours*

#### B. Courses in other departments

Courses in other departments (maximum of 3 semester hours), independent studies (maximum of 3 semester hours), and thesis preparation (maximum of 6 semester hours) may be taken as additional electives with the consent of the Program Director and the other department.

C. The remaining semester hours would be elective courses from the list below, to bring the total semester hours to 30.

Graduate Courses (See sections 1A and 1B above for required core courses and elective courses in each field of study. A description of each course is provided in the Course Description section.)

- BIOL 521 Urban Ecology *3 semester hours*
- CIVL 504 Applied Fluid Mechanics *3 semester hours*
- CIVL 602 Membrane Treatment Systems *3 semester hours*
- CIVL 603 Engineering Sustainability and LEED *3 semester hours*
- CIVL 604 Climate Change, Impacts, and Sustainability *3 semester hours*
- CIVL 605 Engineering Communications *3 semester hours*

- CIVL 607 Hydraulic Analysis and Design 3 semester hours
- CIVL 608 Groundwater Hydrology 3 semester hours
- CIVL 609 Open Channel Hydraulics 3 semester hours
- CIVL 610 Water and Wastewater Treatment Systems Design 3 semester hours
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- CIVL 634 Groundwater Management 3 semester hours
- CIVL 635 Contaminant Transport Groundwater 3 semester hours
- CIVL 640 Physical and Chemistry Treatment Processes 3 semester hours
- CIVL 641 Biological Treatment Processes 3 semester hours
- CIVL 648 Hazardous Substance Management 3 semester hours
- CIVL 649 Contaminated Site Remediation 3 semester hours
- CIVL 650 Fundamentals of Environmental Health Risk Assessment 3 semester hours
- CIVL 654 Surface Water Hydrology 3 semester hours
- CIVL 656 Water Resources Systems Modeling 3 semester hours
- CIVL 665 Economics of Water Resources 3 semester hours
- CIVL 670 Contracts and Specifications 3 semester hours
- CIVL 695 Master Thesis 3 semester hours (see Item 3 below)
- CIVL 699 Independent Studies 1 TO 4 semester hours or
- ENVS 699 Independent Studies 1 TO 4 semester hours (maximum of 3 semester hours)
- ENVS 500 Geology 3 semester hours
- ENVS 600 Ecology of Resilient Cities 3 semester hours
- ENVS 601 Behavioral Ecology and Management of Urban Wildlife 3 semester hours
- ENVS 602 Land Use, Legacies, and Transformation in Urban Ecosystems 3 semester hours
- ENVS 603 Advanced Topics in Urban Ecology 3 semester hours
- ENVS 615 Environmental Impact Reports 3 semester hours
- ENVS 618 Applied Oceanography 3 semester hours
- ENVS 625 Inland Waters 3 semester hours
- ENVS 631 Principles of Water Quality Management 3 semester hours
- ENVS 633 Aquatic Chemistry 3 semester hours
- ENVS 635 Chemical Fate and Transport 3 semester hours
- ENVS 644 Applied Microbiology 3 semester hours
- ENVS 645 Environmental Engineering and Science Laboratory 3 semester hours

- ENVS 650 Watershed Function and Protection 3 semester hours

## II. Successfully complete

- CIVL 600 Comprehensive Exam 0 semester hours for M.S. in Engineering or M.S. in Environmental Science

## III. Thesis Option.

With the consent of the Department, the student may elect a thesis, which may satisfy up to 6 semester hours of the elective requirements. The student may enroll for a maximum of 3 semester hours of Master's Thesis in any semester or summer session for a maximum of 6 semester hours. Students electing this option must obtain a thesis advisor before Departmental consent will be considered. Formal requirements may be obtained from the Department.

Note:

**In addition to the above requirements, the candidate of the Master of Science in Engineering degree in Civil Engineering (Environmental Engineering emphasis and Water Resources Engineering emphasis) must possess an undergraduate Engineering degree or pass the Fundamentals of Engineering examination given by the State of California prior to applying for graduation.**

## Electrical Engineering and Computer Science

### Faculty

Chairperson: Raymond J. Toal

Professors: Stephanie E. August, John David N. Dionisio, Philip M. Dorin, Raymond J. Toal, Nazmul Ula

Associate Professors: Lei Huang, Barbara E. Marino, Gustavo Vejarano, Jie Xu

Assistant Professors: Hossein Asghari, Andrew Forney

Clinical Professor: Robert W. Johnson

Lecturers: Knosheng Ma, Samprakash Majumdar, Krishnamurthy Narayanaswamy, Garrett Newell

### Description

The Department of Electrical Engineering and Computer Science provides both undergraduate and graduate programs in Electrical Engineering and an undergraduate program in Computer Science. The Electrical Engineering programs provide a broad, fundamental education in electronic system design and construction, covering topics in electronics, digital and analog systems, communications, computer architecture, signal processing, and embedded systems. The Computer Science program provides breadth and depth in its coverage of information and computation through courses and laboratories in data structures and algorithms, theory, artificial intelligence, computer and operating systems, computer graphics and user experience, programming languages and translation, database systems, and software engineering.

### Mission

The mission of the Department of Electrical Engineering and Computer Science is to provide high-quality, practice-oriented, design-focused curricula that prepare students for both leadership roles in industry and advanced studies, through a supportive, student-centered education that balances theory and practice and meets the challenges of an ever-changing complex world through dynamic programs with interdisciplinary opportunities.

## Computer Science, B.S.

The computer science curriculum consists of classroom and laboratory experiences related to the following topics: algorithms and data structures, theory and design of computer programming languages and systems, operating systems, compilers, interaction design, computer graphics, distributed systems, database systems, artificial intelligence, networks, software engineering, and organization and design of microprocessor-based computer systems. The curriculum embraces the values, best practices, and philosophy of the open source culture.

### Program Educational Objectives

The Computer Science program educational objectives are:

1. preparation for professional practice
2. preparation for advanced study
3. promotion of the ideas of life-long learning
4. development of self-fulfillment through professional activity
5. development of ethical values and personal responsibility.

The program educational objectives are met by providing a curriculum which follows contemporary guidelines for computer science. Mathematics and digital hardware courses are important components of the curriculum. In addition to these traditional technical courses, and in keeping with the Jesuit tradition of educating the whole person, the curriculum includes core requirements in the humanities, communications, social sciences, and the fine arts.

Opportunities for involvement in professional societies, student design competitions, public open source projects, research with faculty, and University co-curricular activities are plentiful and help to accomplish these objectives.

### Student Outcomes

Graduates of the Computer Science undergraduate program will be able to:

1. present ideas at multiple levels of abstraction and from multiple perspectives
2. communicate, both orally and in narrative form, the functional purpose and technical details of software systems
3. design, implement, test, and evaluate software components and systems meeting given requirements
4. work effectively as a team member
5. develop software in an ethical manner, in which the rights of software authors and users are respected, attribution is given when deriving work, and no persons or groups are locked out of participation unless required by applicable civil laws
6. choose the right language or tool for a given task
7. demonstrate proficiency in at least three popular programming languages
8. recognize, and write small components in, approximately ten programming languages
9. demonstrate knowledge of both algorithmic complexity and software performance
10. apply usability and accessibility guidelines in software design and construction

### Transfer Requirements

Students interested in transferring into the Computer Science undergraduate program must complete MATH 131, CMSI 185, and CMSI 186 with a minimum grade of B (3.0) in each course before

being considered. Final approval of the transfer request resides with the department chair.

### Graduation Requirements

Department criteria for graduation include (1) completion of at least 124 semester hours covering all requirements below, with (2) a minimum of 45 semester hours of upper division courses, and (3) a minimum grade point average of C (2.0) in the upper division courses.

The following courses are to be completed:

- *Computer Science* (47 semester hours): CMSI 185, CMSI 186, CMSI 281, CMSI 282, CMSI 284, CMSI 370, CMSI 371, CMSI 385, CMSI 386, CMSI 387, CMSI 401, CMSI 402, CMSI 486, CMSI 488, and one upper division elective course from CMSI
- *Electrical Engineering* (6 semester hours): ELEC 281, ELEC 385
- *Math and Science* (20 semester hours): MATH 131, MATH 132, MATH 248, MATH 360, MATH 366, and one elective course from the Seaver College of Science and Engineering
- *University Core*: A minimum of 32 semester hours that must include the following:

Course	Semester Hours
FFYS 1000	3*
RHET 1000	4
Philosophical Inquiry	4
Theological Inquiry	4
American Diversity	4
Faith and Reason	4
Ethics and Justice	4
CMSI 370 Interaction Design (also a Computer Science requirement; satisfies the core requirement Understanding Human Behavior)	3
CMSI 371 Computer Graphics (also a Computer Science requirement; satisfies the core requirement Creative Experience)	3
Additional <i>Explorations</i> or <i>Integrations</i> courses if necessary to achieve the 32 semester hour minimum. This is typically not necessary unless the student has transferred courses from other institutions with less than 4 semester hours of transfer credit.	
* Course may be 3 or 4 semester hours	

- *Free Electives*: Courses necessary to bring the total semester hour count to 124. Students should prepare a

coherent program of electives and related core courses with a faculty advisor. The following tracks are recommended:

- **Business and Information Management:** Satisfaction of social science requirements of the core with economics (ECON) courses, the CMSI elective requirement with Electronic Markets, and four upper division AIMS courses selected in consultation with the faculty advisor.
- **Scientific Computing:** Three suitable science courses and two suitable math courses, with the CMSI elective fulfilled with an interdisciplinary course such as CMSI 367 Biological Databases, or computationally intensive courses such as in security, cryptography, or data science.
- **Games and Animation:** CMSI 375 Game Design or an independent studies in game design or game programming (focusing on the internals of game engines such as Unreal or Unity), three suitable animation (ANIM) courses (plus prerequisites), and one physics course, preferably PHYS 101 Introduction to Mechanics. One or more of the lower division ANIM courses may be used to satisfy core curriculum requirements; the PHYS course can satisfy the science requirement.
- **Mathematics:** Five or more courses selected from Calculus III, Differential Equations, Abstract Algebra, Methods of Applied Math, Real Variables, Complex Variables, Topology, or any upper division mathematics course.
- **Cognitive Science:** CMSI 485 Artificial Intelligence, PSYC 2003 Brain and Behavior (with appropriate PSYC prerequisites), PSYC 4001 Cognition (with appropriate prerequisites). A course in machine learning and one or more courses in linguistics are recommended.

## Curriculum

The typical course of study leading to the B.S. degree in computer science is as follows:

### Freshman Year

#### Fall Semester

- CMSI 185 Computer Programming *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 14 semester hours

#### Spring Semester

- CMSI 186 Programming Lab *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 17 semester hours

### Sophomore Year

#### Fall Semester

- CMSI 281 Data Structures *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- University Core *4 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

#### Spring Semester

- CMSI 282 Algorithms *3 semester hours*
- CMSI 284 Computer Systems Organization *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 366 Discrete Methods *3 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

### Junior Year

#### Fall Semester

- CMSI 370 Interaction Design *3 semester hours*
- CMSI 385 Introduction to Theory of Computation *3 semester hours*
- CMSI 386 Programming Languages *3 semester hours*
- University Core *4 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

#### Spring Semester

- CMSI 371 Computer Graphics *3 semester hours*
- CMSI 387 Operating Systems *3 semester hours*
- CMSI 488 Language Translation and Implementation *4 semester hours*
- ELEC 385 Computer System Design *3 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

### Senior Year

#### Fall Semester

- CMSI 401 Software Engineering Lab *3 semester hours*
- CMSI 486 Introduction to Database Systems *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- University Core *4 semester hours*

- Elective 3 semester hours

Total: 16 semester hours

Spring Semester

- CMSI 402 Senior Project Lab 4 semester hours
- Elective 3 semester hours
- Elective 3 semester hours
- Elective 3 semester hours

Total: 13 semester hours

### Electrical Engineering, B.S.E.

The electrical engineering curriculum consists of classroom and laboratory experiences related to the following topics: engineering design, electrical and electronic circuits and models, embedded systems, communication systems, design of analog and digital systems, and organization and design of microprocessor-based computer systems.

#### Accreditation

The Electrical Engineering undergraduate program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

#### Program Educational Objectives

The Electrical Engineering undergraduate program has established the following program educational objectives, in consultation with its constituencies, that are consistent with the mission of the University and the Frank R. Seaver College of Science and Engineering. The objectives describe the expected accomplishments of graduates during the first several years following graduation. Graduates of the electrical engineering program will:

1. Perform effectively as practicing engineers and/or successfully undertake graduate study in electrical engineering or related fields;
2. Meet the challenges of the future through continuing professional growth; and
3. Exhibit concern for service and justice through leadership within their profession, as well as the community as a whole.

These program educational objectives are met by providing a curriculum which has both breadth and depth. Engineering science and design, mathematics, and basic sciences are significant components of the electrical engineering program. In addition to these traditional technical courses, and in keeping with the Jesuit tradition of educating the whole person, the curriculum includes core requirements in the humanities, communications, and the fine arts.

Opportunities for involvement in professional societies, student design competitions, and University co-curricular activities are plentiful and help to accomplish these objectives.

#### Student Outcomes

The Electrical Engineering undergraduate program has established the following student outcomes:

- a. an ability to apply knowledge of mathematics, science, and engineering
- b. an ability to design and conduct experiments, as well as to analyze and interpret data
- c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- d. an ability to function on multidisciplinary teams
- e. an ability to identify, formulate, and solve engineering problems
- f. an understanding of professional and ethical responsibility
- g. an ability to communicate effectively
- h. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- i. a recognition of the need for, and an ability to engage, in life-long learning
- j. a knowledge of contemporary issues
- k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

#### Transfer Requirements

Students interested in transferring into the Electrical Engineering undergraduate program must complete CHEM 111, CHEM 114, MATH 131, MATH 132, and PHYS 101 (or their equivalents) with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the department chair.

#### Graduation Requirements

Department criteria for graduation include (1) completion of at least **128** semester hours covering all requirements below, with (2) a minimum of **45** semester hours of upper division courses, and (3) a grade point average of C (2.0) in the upper division courses.

The Electrical Engineering undergraduate program allows for two curricular emphases, one in Electrical Engineering and one in Computer Engineering. The **Electrical Engineering emphasis** requires the following courses to be completed:

- *General Engineering* (9 semester hours): ENGR 100, ENGR 160, ENGR 200
- *Electrical Engineering* (50 semester hours): ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 302, ELEC 353, ELEC 354, ELEC 361, ELEC 371, ELEC 383, ELEC 400, ELEC 401, ELEC 402, ELEC 423, ELEC 424, and two additional elective ELEC courses
- *Math and Science* (36 semester hours): MATH 131, MATH 132, MATH 234, MATH 245, MATH 250, MATH 355; PHYS 101, PHYS 201; BIOL 114; CHEM 111, CHEM 114
- *University Core* (30+ semester hours): A minimum of 30 semester hours as defined in the core curriculum for students in the Frank R. Seaver College of Science and Engineering.
- *Science and Engineering Electives* (3 semester hours): Three semester hours of elective coursework from the Frank R. Seaver College of Science and Engineering

The **Computer Engineering emphasis** requires the following courses to be completed:

- *General Engineering* (6 semester hours): ENGR 100, ENGR 160
- *Computer Science* (12 semester hours): CMSI 185, CMSI 186, CMSI 281, CMSI 284

- *Electrical Engineering* (44 semester hours): ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 302, ELEC 353, ELEC 354, ELEC 371, ELEC 383, ELEC 400, ELEC 401, ELEC 402, ELEC 423, ELEC 424, ELEC 584
- *Math and Science* (33 semester hours): MATH 131, MATH 132, MATH 234, MATH 245, MATH 355; PHYS 101, PHYS 201; BIOL 114; CHEM 111, CHEM 114
- *University Core* (30+ semester hours): A minimum of 30 semester hours as defined in the core curriculum for students in the Frank R. Seaver College of Science and Engineering.
- *Science and Engineering Electives* (3 semester hours): Three semester hours of elective coursework from the Frank R. Seaver College of Science and Engineering

#### Electrical Engineering Curriculum

The typical course of study leading to the B.S.E. degree in Electrical Engineering with the Electrical Engineering emphasis is as follows:

#### Freshman Year

##### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

##### Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*
- BIOL 114 Biology for Engineers *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

#### Sophomore Year

##### Fall Semester

- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

##### Spring Semester

- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

#### Junior Year

##### Fall Semester

- ELEC 301 Junior Lab I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- ELEC 383 Introduction to Microprocessors *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

##### Spring Semester

- ELEC 302 Junior Lab II *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*
- ELEC 371 Linear Systems *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

#### Senior Year

##### Fall Semester

- ELEC 361 Electromagnetics *3 semester hours*
- ELEC 400 Design Methodology *2 semester hours*
- ELEC 401 Senior Lab I *3 semester hours*
- ELEC 423 Communications I *3 semester hours*
- Elective *3 semester hours*

Total: 14 semester hours

##### Spring Semester

- ELEC 402 Senior Project *3 semester hours*
- ELEC 424 Communications II *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 15-16 semester hours

Computer Engineering Emphasis within the Electrical Engineering Major

The typical course of study leading to the B.S.E. degree in Electrical Engineering with the Computer Engineering emphasis is as follows:

#### Freshman Year

##### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

##### Spring Semester

- BIOL 114 Biology for Engineers *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

#### Sophomore Year

##### Fall Semester

- CMSI 185 Computer Programming *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

##### Spring Semester

- CMSI 186 Programming Lab *3 semester hours*
- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

#### Junior Year

##### Fall Semester

- CMSI 281 Data Structures *3 semester hours*
- ELEC 301 Junior Lab I *3 semester hours*

- ELEC 353 Electronics I *3 semester hours*
- ELEC 383 Introduction to Microprocessors *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

##### Spring Semester

- CMSI 284 Computer Systems Organization *3 semester hours*
- ELEC 302 Junior Lab II *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*
- ELEC 371 Linear Systems *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

#### Senior Year

##### Fall Semester

- ELEC 400 Design Methodology *2 semester hours*
- ELEC 401 Senior Lab I *3 semester hours*
- ELEC 423 Communications I *3 semester hours*
- ELEC 584 Introduction to Microprocessors II *3 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

##### Spring Semester

- ELEC 402 Senior Project *3 semester hours*
- ELEC 424 Communications II *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3 semester hours*

Total: 15-16 semester hours

#### Design Experience

Design is interwoven throughout the electrical engineering curriculum, culminating in a formal senior design project course. Freshman and sophomore engineering courses provide an introduction to design. The two junior and first-semester senior laboratory courses extend this design experience to the integration of material from the upper division electrical engineering courses. Finally, the senior design project experience builds on the analytical and theoretical background developed throughout the curriculum as well as topics covered in the University's Core curriculum.

#### Electrical Engineering, M.S.E.

The graduate program in Electrical Engineering is designed to provide theoretical knowledge as well as practical applications in the areas of communication systems, electronic circuits, computer systems engineering, and systems design. In this program, working

engineers are given an opportunity to continue their education on a part-time basis, while full-time students have the opportunity to conduct research under the guidance of a faculty advisor. Upon graduation from the program, students will be conferred the degree Master of Science in Engineering (M.S.E.) in Electrical Engineering.

**Graduate Director:** Gustavo Vejarano

Doolan Hall, Room 108

310.338.5761

### Program Educational Objectives

The Electrical Engineering graduate program has established the following program educational objectives. Graduates of the program will:

1. Possess in-depth expertise for a successful engineering career and/or a successful undertaking of further graduate level studies;
2. Meet the challenges of the future through continuing professional growth; and
3. Exhibit concern for social and environmental impact of engineering decisions.

### Student Outcomes

The Electrical Engineering graduate program has established the following student outcomes:

1. an ability to apply advanced knowledge of mathematics, science, and engineering to identify, formulate and solve complex engineering problems in a specialized area, such as electronic circuit design, telecommunications and networks, or digital and computer engineering
2. an ability to apply both analysis and synthesis in the engineering design process, resulting in designs that meet constraints and specifications, which include societal, environmental, and ethical factors as appropriate to the design
3. an ability to develop and conduct appropriate experimentation and testing procedures using advanced analytical/numerical techniques and/or modern engineering tools, and to analyze and draw conclusions from data
4. an ability to conduct graduate level research with adequate research skills including information literacy and self-learning
5. an ability to communicate effectively with a range of audiences through various media
6. an ability to plan and manage engineering projects, including goal establishment, task scheduling, and risk and uncertainty management

### Admission Requirements

Students seeking admission should have completed an undergraduate program in electrical engineering, computer science, or a closely related field. To be considered for admission, students must submit an application, \$50 application fee, a statement of intent, and transcripts. Letters of recommendation and the Graduate Record Exam (GRE) are optional. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in electrical or computer engineering.

**Transfer Credit.** Students may transfer six (6) semester hours for courses completed at another regionally accredited college or university. Credits to be transferred must be taken prior to admission. Each transferred course grade must be at least B (3.0),

and the course must not have been used to satisfy degree requirements at another college or university.

### Graduation Requirements

A degree candidate is required to complete, with a cumulative grade point average of at least B (3.0), a program of study comprising a minimum of thirty (30) or more semester hours of graduate-level coursework (i.e., 500-level or 600-level courses). Additional prerequisite (undergraduate) courses may be required as deemed appropriate by the advisor in consultation with the department. Of the graduate-level coursework, at least fifteen (15) semester hours are to be in 600-level courses. Students must achieve a grade of B (3.0) or better in all 500-level courses. Applicable courses generally include both CMSI and ELEC courses offered by this department, as well as appropriate courses from mathematics or other disciplines. At least twenty-four (24) semester hours must be in ELEC courses.

The program of study must include the following courses: ELEC 521, ELEC 532, ELEC 584, ELEC 601. One or more of the 500-level required courses may be waived if the student demonstrates satisfactory completion of a similar course. Waived courses will be replaced by electives at the 500 or 600 level.

### Curriculum

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. The 30 semester hours of required coursework is allocated as follows:

- ELEC 521 Introduction to Communication Systems 3 *semester hours*
- ELEC 532 Probability and Random Processes 3 *semester hours*
- ELEC 584 Introduction to Microprocessors II 3 *semester hours*
- Elective 3 *semester hours*
- ELEC 601 Graduate Seminar 3 *semester hours*

### Master Thesis Option

Preparation of a Master's Thesis is optional and can fulfill up to a maximum of 9 semester hours of elective course requirements. The student electing the thesis option must obtain a thesis advisor before Departmental consent will be considered, and the thesis must conform to the Frank R. Seaver College of Science and Engineering requirements. The thesis and associated work is intended to advance the state of knowledge in the thesis subject not "rehash" previous work by others or a serve as a "literature search." To the extent possible, there should be some experimental work involved. The thesis ideally will form the basis for a paper or article, produced by a student, which would be submitted and hopefully published in a peer-reviewed journal or presented at a professional organization's conference. A thesis is completed after being successfully defended to the thesis committee. With direction from the Program Director, a thesis committee will be formed. The thesis committee consists of the student's thesis advisor, a full-time faculty member from the student's department, and a third member from other than the student's department.

### Computer Science Minor

A minor in computer science is also available, with coursework including CMSI 185, CMSI 186, CMSI 281, CMSI 282 or CMSI 284, and two upper division CMSI electives. Participation in the minor field program requires the approval of the student's major field faculty advisor and the Department Chairperson in the student's major field.

The courses are typically taken in the following sequence:

Year	Semester	Courses
1	Fall	CMSI 185
	Spring	CMSI 186
2	Fall	CMSI 281
	Spring	CMSI 282 or CMSI 284
3	Fall	CMSI 3xx
	Spring	CMSI 3xx

### Electrical Engineering Minor

A minor field program in electrical engineering consists of 18 semester hours of coursework to be determined in consultation with the Department Chairperson. Participation in the minor field program requires the approval of the student's major field faculty advisor and the Department Chairperson in the student's major field.

The typical set of courses includes ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 353, and either ELEC 383 (for a digital emphasis) or one of ELEC 354 or ELEC 371 (for an analog emphasis). As many of the courses have prerequisites, the following suggested schedule is provided:

Year	Semester	Courses
1	Fall	MATH 131
	Spring	MATH 132
2	Fall	ELEC 210 ELEC 213 MATH 245
	Spring	ELEC 220 ELEC 281
3	Fall	ELEC 301 ELEC 353 ELEC 383*

Year	Semester	Courses
	Spring	ELEC 354* ELEC 371*
* Take only one of the starred courses.		

### Environmental Science

#### Director

James M. Landry

#### Faculty Affiliates

Rachel G. Adams, Nicole C. Bouvier-Brown, Lambert A. Doezema, John H. Dorsey, Tom Ford, Karina Johnston, James M. Landry, Michelle R. Lum, Jeremy S. Pal, Martina Ramirez, Eric Strauss

### Environmental Science, B.S.

#### Objectives

The objective of the Environmental Science major is to prepare students for a career in the field of environmental sciences. Students receiving this degree can either pursue graduate studies or enter the field of environmental science where jobs are available, for example, with private businesses, governmental agencies, and environmental non-profits and advocacy groups.

The Environmental Science major is a rigorous interdisciplinary program involving course work in biology, chemistry, physics, mathematics, and environmental science and engineering. The following is a list of learning outcomes for this degree program:

1. Students will be able to apply the scientific method to formulate and test hypotheses.
2. Students will be able to assess and evaluate effectively global environmental processes embedded in a social and ethical context.
3. Students will have proficiency in the following: Earth systems science, micro- and macroevolution, ecosystem services, and anthropogenic impacts on ecosystems.
4. Students will have proficiency in the fundamental concepts of the physical and life sciences.
5. Students will have basic field, laboratory, and analytic skills in a quantitative capacity.
6. Students will effectively communicate through written assignments and oral presentations.
7. Students will demonstrate critical thinking skills needed for assessing and solving problems relating to environmental issues and policies.

Laboratory courses are designed to maximize hands-on experience in collecting samples from various media, and using an array of equipment to characterize samples of soils, water, and air. Many of the environmental science courses include field trips to the adjacent Ballona Wetlands and Santa Monica Bay to demonstrate methods for collecting samples, and to study environmental conditions and resident biota. Internships with local environmental organizations and companies are an integral component of the program. The major requires that the student conduct a research project followed by presentation of results upon completion.

#### Major Requirements

Lower Division Requirements:

- BIOL 101 General Biology I 3 semester hours
- BIOL 102 General Biology II 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- BIOL 112 General Biology II Lab 2 semester hours
- BIOL 201 Cell Function 3 semester hours
- BIOL 202 Genetics 3 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- CHEM 220 Organic Chemistry I 3 semester hours
- CHEM 221 Organic Chemistry I Lab 1 semester hours
- ENVS 101 Introduction to Environmental Science 3 semester hours
- ENVS 210 Surveying and Mapping 3 semester hours
- ENVS 250 Earth Science 3 semester hours
- EVST 1000 Introduction to Environmental Studies 4 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours
- MATH 123 Calculus for the Life Sciences II 3 semester hours
- MATH 204 Applied Statistics 3 semester hours
- PHYS 253 General Physics I 4 semester hours
- PHYS 254 General Physics II 4 semester hours

Note:

In order to be eligible to take an upper division science course, a student must have a C (2.0) average in the lower division science courses.

Upper Division Requirements:

33 upper division science hours which will include:

- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 361 General Microbiology 3 semester hours
- BIOL 362 General Microbiology Laboratory 1 semester hours
- ENVS 357 Environmental Chemistry I 3 semester hours
- ENVS 358 Environmental Chemistry II 3 semester hours
- ENVS 359 Environmental Chemistry Lab 1 semester hours
- ENVS 491 Environmental Science Capstone I 2 semester hours
- ENVS 492 Environmental Science Capstone II 2 semester hours
- ENVS 493 Environmental Science Internship 1 TO 4 semester hours

One (1) applied Ecology elective (3 semester hours) selected from:

- BIOL 312 Field Botany 4 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 315 World Vegetation Ecology 3 semester hours
- BIOL 316 Island Biology 3 semester hours
- BIOL 321 Urban Ecology 3 semester hours

- BIOL 322 Urban Ecology Lab 1 semester hours
- BIOL 422 Marine Biology 4 semester hours
- or by consent of director

In addition, 10 upper division science elective hours are required, to be selected from:

- ENVS 310 Oceanography 3 semester hours
- ENVS 356 Sustainable Practices 3 semester hours
- ENVS 420 Environmental Systems Lab 3 semester hours
- ENVS 504 Climate Change, Impacts, and Sustainability 3 semester hours
- ENVS 515 Environmental Impact Reports 3 semester hours
- ENVS 525 Inland Waters 3 semester hours
- ENVS 531 Principles of Water Quality Management 3 semester hours
- ENVS 533 Aquatic Chemistry 3 semester hours
- ENVS 550 Watershed Function and Protection 3 semester hours
- BIOL 311 Plant Interactions 3 semester hours
- BIOL 333 Biology of Mammals 4 semester hours
- BIOL 334 Invertebrate Zoology 4 semester hours
- BIOL 335 Comparative Anatomy 4 semester hours
- BIOL 474 Principles of Evolution 3 semester hours
- BIOL 477 Conservation Genetics 4 semester hours
- CHEM 354 Air Pollution: Atmospheric Chemistry 3 semester hours
- CHEM 356 Sustainable Practices 3 semester hours
- CHEM 460 Instrumental Analysis and Lab 4 semester hours
- CHEM 482 Toxicology 3 semester hours
- CHEM 560 Introduction to Modern Spectroscopy 3 semester hours
- CIVL 550 Fundamentals of Environmental Risk Management 2 semester hours
- HHSC 322 Public Health 3 semester hours
- or by consent of director.

Note:

A student must have a C (2.0) average in upper division science courses.

B.S. Degree in Environmental Science

(125 S.H.)

Freshman Year

Fall Semester

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- ENVS 101 Introduction to Environmental Science 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

Total: 15-16 semester hours

Spring Semester

- BIOL 102 General Biology II 3 semester hours
- BIOL 112 General Biology II Lab 2 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 15-16 semester hours

Sophomore Year

Fall Semester

- BIOL 201 Cell Function 3 semester hours
- CHEM 220 Organic Chemistry I 3 semester hours
- CHEM 221 Organic Chemistry I Lab 1 semester hours
- EVST 1000 Introduction to Environmental Studies 4 semester hours
- MATH 123 Calculus for the Life Sciences II 3 semester hours
- University Core 3 OR 4 semester hours

Total: 17-18 semester hours

Spring Semester

- BIOL 202 Genetics 3 semester hours
- ENVS 250 Earth Science 3 semester hours
- CIVL 210 Surveying and Mapping 3 semester hours
- MATH 204 Applied Statistics 3 semester hours
- University Core 3 OR 4 semester hours

Total: 15-16 semester hours

Junior Year

Fall Semester

- BIOL 318 Principles of Ecology 4 semester hours
- ENVS 357 Environmental Chemistry I 3 semester hours
- PHYS 253 General Physics I 4 semester hours
- ENVS 493 Environmental Science Internship 1 TO 4 semester hours
- University Core 3 OR 4 semester hours

Total: 16-17 semester hours

Spring Semester

- ENVS 358 Environmental Chemistry II 3 semester hours
- ENVS 359 Environmental Chemistry Lab 1 semester hours

- Upper Division Applied Ecology elective 3 semester hours\*
- PHYS 254 General Physics II 4 semester hours
- Upper Division Elective 3 OR 4 semester hours

Total: 14-15 semester hours

Senior Year

Fall Semester

- BIOL 361 General Microbiology 3 semester hours
- BIOL 362 General Microbiology Laboratory 1 semester hours
- ENVS 491 Environmental Science Capstone I 2 semester hours
- Upper Division Science elective 3 semester hours\*\*
- Upper Division Science elective 3 semester hours\*\*
- University Core 3 OR 4 semester hours

Total: 15-16 semester hours

Spring Semester

- ENVS 492 Environmental Science Capstone II 2 semester hours
- Upper Division Science elective 4 semester hours\*\*
- Upper Division Elective 3 OR 4 semester hours
- University Core 3 OR 4 semester hours

Total: 12-14 semester hours

Total: 119-128 semester hours

The proper sequence of the University Core courses should be discussed with the student's advisor. The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.

Notes:

\* Applied Ecology elective is selected from: BIOL 312, BIOL 314, BIOL 315, BIOL 316, BIOL 321, BIOL 322, BIOL 422, or by consent of director.

\*\* Upper Division science electives are selected from: ENVS 310, ENVS 356, ENVS 420, ENVS 504, ENVS 515, ENVS 525, ENVS 531, ENVS 533, ENVS 550, BIOL 311, BIOL 333, BIOL 334, BIOL 335, BIOL 474, BIOL 477, CHEM 354, CHEM 356, CHEM 460, CHEM 482, CHEM 560, CIVL 550, HHSC 322, or by consent of director.

\*\*\* Dean's list requires a minimum of 15 semester hours.

**Environmental Science Minor**

Minor Requirements

(28 semester hours)

21 Semester Hours:

- BIOL 101 General Biology I 3 semester hours

- BIOL 102 General Biology II 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- BIOL 112 General Biology II Lab 2 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- ENVS 101 Introduction to Environmental Science 3 semester hours

One (1) Environmental Chemistry course (3 semester hours) selected from:

- ENVS 357 Environmental Chemistry I 3 semester hours
- ENVS 358 Environmental Chemistry II 3 semester hours

One (1) Ecology elective (3 semester hours) selected from:

- BIOL 312 Field Botany 4 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 315 World Vegetation Ecology 3 semester hours
- BIOL 316 Island Biology 3 semester hours
- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 321 Urban Ecology 3 semester hours
- BIOL 422 Marine Biology 4 semester hours

One Upper Division Laboratory course (1 semester hour) selected from:

- BIOL 322 Urban Ecology Lab 1 semester hours
- ENVS 359 Environmental Chemistry Lab 1 semester hours
- May be selected by lab component within  
BIOL 312  
BIOL 314  
BIOL 318 or  
BIOL 422
- or by consent of director

Note:

Any substitution must be made with the consent of the Director of the Environmental Science program.

A grade of C (2.0) must be obtained in each course included in the minor.

## Health and Human Sciences

### Faculty

Chairperson: James M. Landry

Professor: Hawley C. Almstedt

Associate Professor: Sarah L. Strand

Assistant Professors: William P. McCormack, Todd C. Shoepe,

Heather P. Tarleton

Clinical Faculty: Stephanie Perez Beaudion

### Degree

The Department offers a Bachelor of Science in Health and Human Sciences.

### Mission Statement

Within the context of LMU's mission, the Department of HHSC strives to cultivate educated students in the subjects of HHSC with quality classroom preparation for graduate schools and professional careers as well as relevant clinical, practical and evidence-based experience in health related fields. Such fields include, but are not limited to: physical therapy, occupational therapy, physician assistant, nursing, public health, exercise science, and entry-level graduate programs in athletic training. The Department prepares students in a positive environment that encourages the development of the whole person.

### Vision Statement

The vision of the Department of HHSC is to develop quality graduates in the area of health science and its related professions. Excellence in development of the health science student is based on academics, research, service, professional and practical experiences.

### Health and Human Sciences, B.S.

#### Student Learning Outcomes

1. Students will demonstrate basic understanding and appreciation of the human body's relationship to health and wellness through science, theory and application.
2. Students will demonstrate effective communication skills necessary to explain to others effectively and accurately about human health and wellness in a variety of organizational and institutional settings.
3. Students will demonstrate critical-thinking skills and the ability to access and critically evaluate relevant health information and resources.
4. Students will demonstrate the interpersonal skills required to work cooperatively with diverse individuals and groups on issues related to the human condition.
5. Students will demonstrate basic understanding and appreciation of cultural, philosophical and professional considerations related to health and wellness.
6. Students will demonstrate a world view that integrates spiritual and ethical values with their vocational calling.
7. Students will have clear career goals and demonstrate practical preparation for their career.

#### Current LMU Students Interested in Transferring to the Department of Health and Human Sciences

Students who are currently enrolled in another major at LMU, but are interested in changing their major to HHSC are encouraged to apply during their first year at LMU. Students are asked to state their interest in HHSC by completing an application available from the department chairperson. In addition, students will need to complete MATH 122 and CHEM 110 with a minimum grade of C (2.0) in each class and have a minimum cumulative GPA of 3.0. Attainment of minimum requirements may not always be sufficient to secure approval of transfer request. The evaluation process will take place during the Fall and Spring semesters with students being informed once the evaluation process has been completed.

#### Bachelor of Science (B.S.) in Health and Human Sciences

The Health and Human Sciences major offers specialized programs to provide prerequisite training for graduate programs or careers in such fields as: physical therapy, occupational therapy, physician assistant, nursing, public health, exercise science, and entry-level graduate programs in athletic training.

## Major Requirements

In order to graduate, a student must have a C (2.0) average in the lower division science courses and a C (2.0) average in the upper division science courses.

### Lower Division Requirements:

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- BIOL 201 Cell Function 3 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours
- MATH 204 Applied Statistics 3 semester hours
- HHSC 155 Human Anatomy and Physiology I 3 semester hours
- HHSC 156 Human Anatomy and Physiology I Lab 1 semester hours
- HHSC 190 Medical Terminology and Seminar 3 semester hours
- HHSC 230 Nutrition 3 semester hours
- HHSC 255 Human Anatomy and Physiology II 3 semester hours
- HHSC 256 Human Anatomy and Physiology II Lab 1 semester hours
- PHYS 253 General Physics I 4 semester hours
- PHYS 254 General Physics II 4 semester hours
- PSYC 1000 General Psychology 4 semester hours

### Upper Division Requirements:

A total of 31 of upper division semester hours are required: 27 semester hours of upper division HHSC and 4 semester hours of PSYC must be completed. Within the 27 semester hours of HHSC, students need to complete:

- A minimum of one 3-semester-hour course from each of the four categories listed below (Clinical; Health Management and Policy; Health and Wellness; Exercise Science)
- 3 laboratory courses (a combination of Upper and Lower Extremities count as lab equivalents)
- 1 semester hour of HHSC 495 Allied Health Internship and 2 semester hours of HHSC 497 Allied Health Internship II. A maximum of 6 semester hours of independent study coursework may count in the upper division major category. This includes any HHSC course between the numbers of 490 and 499.

Students are required to take PSYC 3038 or PSYC 3052. A student must have a C (2.0) average in upper division science courses.

### Clinical Courses

- HHSC 350 Exercise for Special Populations 3 semester hours
- HHSC 360 Upper Extremity Evaluation 3 semester hours
- HHSC 361 Lower Extremity Evaluation 3 semester hours

- HHSC 460 Therapeutic Modalities in Sports Medicine 3 semester hours
- HHSC 461 Therapeutic Rehabilitation in Sports Medicine 3 semester hours

### Health Management and Policy Courses

- HHSC 322 Public Health 3 semester hours
- HHSC 412 Administration in Sports Medicine 3 semester hours
- HHSC 413 Medical Bioethics 3 semester hours
- HHSC 420 Chronic Disease and Injury Epidemiology 3 semester hours

### Health and Wellness Courses

- HHSC 320 Obesity and Behavior 3 semester hours
- HHSC 342 Peer Health Education 3 semester hours
- HHSC 430 Advanced Nutrition 3 semester hours

### Exercise Science Courses

- HHSC 375 Science Principles of Strength and Conditioning 3 semester hours
- HHSC 380 Kinesiology 3 semester hours
- HHSC 475 Exercise Physiology 3 semester hours
- HHSC 480 Biomechanics 3 semester hours

### B.S. Degree in Health and Human Sciences

(122 S.H.)

### Freshman Year

#### Fall Semester

- HHSC 190 Medical Terminology and Seminar 3 semester hours
- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

Total: 15-16 semester hours

#### Spring Semester

- HHSC 155 Human Anatomy and Physiology I 3 semester hours
- HHSC 156 Human Anatomy and Physiology I Lab 1 semester hours
- HHSC 230 Nutrition 3 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 17-18 semester hours

Sophomore Year

Fall Semester

- HHSC 255 Human Anatomy and Physiology II 3 *semester hours*
- HHSC 256 Human Anatomy and Physiology II Lab 1 *semester hours*
- PHYS 253 General Physics I 4 *semester hours*
- BIOL 201 Cell Function 3 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-15 semester hours\*

Spring Semester

- MATH 204 Applied Statistics 3 *semester hours*
- PHYS 254 General Physics II 4 *semester hours*
- PSYC 1000 General Psychology 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-15 semester hours\*

Junior Year

Fall Semester

- HHSC 300 level with Lab 4 *semester hours*
- HHSC 300 level 3 *semester hours*
- HHSC 495 Allied Health Internship 1 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 14-16 semester hours\*

Spring Semester

- HHSC 300 level with Lab 4 *semester hours*
- HHSC 300 level 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-15 semester hours\*

Senior Year

Fall Semester

- HHSC 497 Allied Health Internship II 1 TO 5 *semester hours (enroll for 2 semester hours)*
- HHSC 400 level with Lab 4 *semester hours*
- PSYC 3038 Abnormal Psychology 4 *semester hours* or
- PSYC 3052 Lifespan Development 4 *semester hours*
- University Core 3-4 *semester hours*

- Upper Division Elective 3-4 *semester hours*

Total: 16-18 semester hours

Spring Semester

- HHSC 400 level 3 *semester hours*
- HHSC 400 level 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 15-18 semester hours

Note:

\* Dean's List requires a minimum of 14 semester hours.

Total minimum 122 semester hours

The proper sequence of the University Core courses should be discussed with the student's advisor. The course sequence in Mathematics depends on the results of the Mathematics Placement Examination.

## Mathematics

### Faculty

Chairperson: Suzanne Larson

Professors: Curtis D. Bennett, Michael Berg, Ben G. Fitzpatrick (Clarence J. Wallen, S.J., Chair), Suzanne Larson, Herbert A.

Medina, Blake Mellor, Edward C. Mosteig, Patrick D. Shanahan  
Associate Professors: Anna Bargagliotti, Alissa S. Crans, Angela Gallegos, Lily S. Khadjavi, Robert James Rovetti, Thomas Zachariah

Assistant Professors: Christina Eubanks-Turner, Thomas Laurent, Yanping Ma

Instructors: Karen Ellis, Vivian Lezak, Natalie Rivetti-Ortiz

### Mathematics Graduate Program

#### Contact Information

**Graduate Director:** Anna Bargagliotti

**Office Location:** University Hall 2712

**Telephone:** 310.338.4582

**Fax:** 310.338.3768

**E-mail:** Anna.Bargagliotti@lmu.edu

#### Mission Statement

The Master of Arts in Teaching Mathematics program provides an opportunity for secondary school teachers to broaden their background in mathematical science and to connect this knowledge with current education practice.

#### Admission Requirements

Students seeking admission to the Master of Arts in Teaching Mathematics program should have completed an undergraduate program in mathematics or a closely related field. The applicant must have been a mathematics major, mathematics minor, or had equivalent coursework. To be considered for admission, students must submit a Graduate Division application, a statement of intent, transcripts from all colleges/universities attended and the application fee. A letter of recommendation addressing the student's

mathematical background and teaching experience, if any, is also required.

### **Program Requirements**

During the first semester of attendance, the student should prepare a program of study with a faculty adviser. A degree candidate is required to complete, with an average grade of at least 3.0 ("B"), a program of study that may include prerequisite undergraduate-level coursework, and that must include thirty or more semester hours of graduate-level coursework, as deemed appropriate by the adviser in consultation with the department. Of the graduate level coursework, at least fifteen semester hours are to be in Mathematics and fifteen in Education.

### **Mathematics Undergraduate Program**

#### **Mathematics Placement Examination**

The purpose of this examination is to determine the level of preparation of the student and to place her/him in the appropriate mathematics course. Any student with three years of high school mathematics including two years of algebra and one year of geometry should be adequately prepared to take this examination. However, students may wish to review these areas.

All first-year students with majors in the Frank R. Seaver College of Science and Engineering or the College of Business Administration, or who are Economics majors or Liberal Studies majors, must take the mathematics placement examination.

All students transferring into the Frank R. Seaver College of Science and Engineering or the College of Business Administration, or who are Economics majors or Liberal Studies majors, must take the mathematics placement examination unless they have transferred a college algebra, precalculus, or higher level college mathematics class approved by the Mathematics Department before entering LMU.

Any student, no matter her/his major, who plans to take MATH 106, MATH 112, MATH 120, MATH 122, or MATH 131 and who has not transferred a college algebra or higher level college mathematics class is required first to take the mathematics placement examination. The mathematics placement examination may only be taken one time.

#### **Biomathematics**

Under the direction of an advisor, the student selects courses from the fields of biology, chemistry, computer science, and mathematics and obtains a Bachelor of Science degree through the Individualized Studies Program.

Any deviation from the above programs requires formal approval of the student's adviser and the Department Chairperson.

#### **Secondary Teacher Preparation Program in Mathematics**

For information on this program, see the Secondary Teacher Preparation Program section in this Bulletin.

#### **Applied Mathematics, B.S.**

This degree program is designed for students who want an interdisciplinary program that combines the study of applied and computational mathematics with a scientific area of specialization. This program can be tailored to meet the needs of students who expect to pursue a graduate degree in applied mathematics or science, expect to double-major or minor in a scientific field, or intend to work in a mathematics-related interdisciplinary field in industry.

### **Objectives**

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

### **Learning Outcomes**

1. Content Proficiency. In each of the following subject areas of mathematics:
  - a. calculus and analysis,
  - b. abstract and linear algebra,
  - c. probability, combinatorics and statistics,
  - d. elementary numerical methods;  
Students will be able to:
    - i. State and use basic definitions and theorems.
    - ii. Solve basic problems.
    - iii. Decide on useful approaches to more complicated problems.
    - iv. Explain the central concepts of the subject.
2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
4. Independent Learners. Students will be able to independently investigate a mathematical topic.
5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

## General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

## Lower Division Major Requirements

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*

One science course chosen from

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- CMSI 185 Computer Programming *3 semester hours*
- CMSI 281 Data Structures *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

Upper Division Requirements (10 courses):

- MATH 321 Real Variables I *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- MATH 495 Mathematical Modeling *3 semester hours* or

- MATH 497 Senior Thesis *3 semester hours*
- Nine additional semester hours in upper division MATH electives (excluding MATH 301 and MATH 302) chosen in consultation with his/her faculty advisor
- Two upper division courses in a scientific area of specialization chosen in consultation with her/his faculty advisor and approved by the Chairperson of the Mathematics Department.

Note:

Some areas of specialization require additional sophomore-level classes before upper division coursework can begin; the faculty advisor will discuss these details with the student.

## Bachelor of Science in Applied Mathematics Curriculum

### Freshman Year

#### Fall Semester

- MATH 131 Calculus I *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours* or
- Science Requirement *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

#### Spring Semester

- MATH 132 Calculus II *4 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- Science Requirement *3-4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

### Sophomore Year

#### Fall Semester

- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

Note:

Dean's list requires a minimum of 14 semester hours.

Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

Spring Semester

- MATH 245 Ordinary Differential Equations 3 semester hours
- MATH 250 Linear Algebra 3 semester hours
- MATH 282 Elementary Computational Methods 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

Junior Year

Fall Semester

- MATH 321 Real Variables I 3 semester hours
- MATH 360 Introduction to Probability and Statistics 3 semester hours \*
- MATH 3xx Mathematics Elective 3 semester hours or
- Upper Division Science Requirement 3 semester hours\*\*
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

Spring Semester

- MATH 331 Elements of Group Theory 3 semester hours
- MATH 357 Complex Variables 3 semester hours \*
- MATH 3xx Mathematics Elective 3 semester hours or
- Upper Division Science Requirement 3 semester hours\*\*
- Elective 3-4 semester hours or
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

Senior Year

Fall Semester

- MATH 495 Mathematical Modeling 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours or

- Upper Division Science Requirement 3 semester hours\*\*
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

Spring Semester

- MATH 3xx Mathematics Elective 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours or
- Upper Division Science Requirement 3 semester hours\*\*
- MATH 3xx Mathematics Elective 3 semester hours or
- Upper Division Science Requirement 3 semester hours\*\*
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

Total: 124/126 semester hours

\* MATH 357 and MATH 360 are both required but can be taken in any order.

\*\* Two upper division courses are required in a scientific area of specialization chosen with faculty advisor and approved by the Chairperson of the Mathematics Department.

### Mathematics, B.A.

This major is designed for students who are interested in pursuing a career in teaching mathematics at the secondary (i.e., high school) level. With the help of her/his advisor, the student may design a schedule carefully so that s/he can complete the 2042 California Preliminary Single Subject (Secondary) Teaching Credential during her/his four years at LMU. For more details on the additional requirements for a Teaching Credential, and a sample four-year curriculum which includes both the requirement for the Bachelor of Arts in Mathematics and the Teaching Credential, see the Center for Undergraduate Teaching Preparation section in this Bulletin.

### Objectives

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background

in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

#### Learning Outcomes

1. Content Proficiency. In each of the following subject areas of mathematics:
  - a. calculus and analysis,
  - b. abstract and linear algebra,
  - c. probability, combinatorics and statistics,
  - d. elementary numerical methods;  
Students will be able to:
    - i. State and use basic definitions and theorems.
    - ii. Solve basic problems.
    - iii. Decide on useful approaches to more complicated problems.
    - iv. Explain the central concepts of the subject.
2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
4. Independent Learners. Students will be able to independently investigate a mathematical topic.
5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

#### General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

#### Lower Division Major Requirements

- MATH 131 Calculus I 4 semester hours
- MATH 132 Calculus II 4 semester hours
- MATH 190 Workshop in Mathematics I 2 semester hours

- MATH 191 Workshop in Mathematics II 2 semester hours
- MATH 234 Calculus III 4 semester hours
- MATH 245 Ordinary Differential Equations 3 semester hours
- MATH 248 Introduction to Methods of Proof 3 semester hours
- MATH 250 Linear Algebra 3 semester hours
- MATH 282 Elementary Computational Methods 3 semester hours

#### One science course chosen from

- BIOL 101 General Biology I 3 semester hours
- BIOL 102 General Biology II 3 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 114 General Chemistry for Engineers 3 semester hours
- CMSI 185 Computer Programming 3 semester hours
- CMSI 281 Data Structures 3 semester hours
- PHYS 101 Introduction to Mechanics 4 semester hours
- PHYS 201 Introduction to Electricity and Magnetism 4 semester hours

#### Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

#### Upper Division Requirements (11 courses):

- MATH 321 Real Variables I 3 semester hours
- MATH 331 Elements of Group Theory 3 semester hours
- MATH 357 Complex Variables 3 semester hours
- MATH 360 Introduction to Probability and Statistics 3 semester hours
- MATH 490 History of Mathematics 3 semester hours
- MATH 493 Senior Seminar for Future Mathematics Educators 3 semester hours or
- MATH 497 Senior Thesis 3 semester hours
- MATH 550 Fundamental Concepts of Geometry 3 semester hours
- One additional 3 semester hour upper division MATH elective (excluding MATH 301, MATH 302) chosen in consultation with her/his advisor;
- EDES 488 Methods in Teaching Secondary Math 3 semester hours
- Two 3 semester hour EDxx courses chosen from the list of requirements for the preliminary single subject secondary credential or one such EDxx course and one course from BIOL 101, BIOL 102, BIOL 201, BIOL 202; CHEM 114, CHEM 220; CMSI 185, CMSI 281, CMSI 282; or PHYS 101, PHYS 201.

Bachelor of Arts in Mathematics Curriculum

(124/126 S.H.)

Freshman Year

Fall Semester

- MATH 131 Calculus I 4 semester hours
- MATH 190 Workshop in Mathematics I 2 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
  
- University Core 3-4 semester hours or
- Science Requirement 3-4 semester hours
  
- University Core 3-4 semester hours

Total: 15-18 semester hours

Spring Semester

- MATH 132 Calculus II 4 semester hours
- MATH 191 Workshop in Mathematics II 2 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
  
- Science Requirement 3-4 semester hours or
- University Core 3-4 semester hours
  
- University Core 3-4 semester hours

Total: 15-18 semester hours

Sophomore Year

Fall Semester

- MATH 234 Calculus III 4 semester hours
- MATH 248 Introduction to Methods of Proof 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-15 semester hours

Note:

Dean's list requires a minimum of 14 semester hours.

Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

Spring Semester

- EDxx 4xx Education Requirement 3 semester hours

- MATH 245 Ordinary Differential Equations 3 semester hours
- MATH 250 Linear Algebra 3 semester hours
- MATH 282 Elementary Computational Methods 3 semester hours
- MATH 293 Mathematics Teaching Field Experience 0 semester hours \*\*
- University Core 3-4 semester hours

Total: 15-16 semester hours

Junior Year

Fall Semester

- EDxx 4xx Education Requirement (or 2nd Science Requirement) 3 OR 4 semester hours
- MATH 321 Real Variables I 3 semester hours
- MATH 360 Introduction to Probability and Statistics 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-18 semester hours

Spring Semester

- MATH 331 Elements of Group Theory 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours
- MATH 490 History of Mathematics 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

Senior Year

Fall Semester

- EDES 488 Methods in Teaching Secondary Math 3 semester hours
- MATH 357 Complex Variables 3 semester hours
  
- MATH 493 Senior Seminar for Future Mathematics Educators 3 semester hours or
- MATH 497 Senior Thesis 3 semester hours
  
- MATH 550 Fundamental Concepts of Geometry 3 semester hours
- Elective 3-4 semester hours

Total: 15-16 semester hours

Spring Semester

- Elective 3-4 semester hours
- Elective 3-4 semester hours \*\*\*
- Elective 3-4 semester hours \*\*\*
- Elective 3-4 semester hours \*\*\*

Total: 12-16 semester hours

Total: 124/126 semester hours

**\*\* This course is required for the student who wishes to get a secondary teaching credential.**

**\*\*\* For the student who is working on the teaching credential, these semester hours can be used for secondary directed teaching (EDCE 412).**

## Mathematics, B.S.

This degree program is designed for students who want a broad foundation in mathematics. By choosing appropriate mathematics electives in consultation with her/his faculty advisor, the student can emphasize in pure mathematics, applied and computational mathematics, or a combination of both. The degree can be tailored to meet the needs of students who expect to pursue a graduate degree in pure mathematics, expect to pursue a graduate degree in applied mathematics, or intend to work in a mathematics-related field in industry.

### Objectives

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

### Learning Outcomes

1. Content Proficiency. In each of the following subject areas of mathematics:
  - a. calculus and analysis,
  - b. abstract and linear algebra,
  - c. probability, combinatorics and statistics,
  - d. elementary numerical methods;  
Students will be able to:
    - i. State and use basic definitions and theorems.

- ii. Solve basic problems.
- iii. Decide on useful approaches to more complicated problems.
- iv. Explain the central concepts of the subject.

2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
4. Independent Learners. Students will be able to independently investigate a mathematical topic.
5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

### General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

### Lower Division Major Requirements

- MATH 131 Calculus I 4 semester hours
- MATH 132 Calculus II 4 semester hours
- MATH 190 Workshop in Mathematics I 2 semester hours
- MATH 191 Workshop in Mathematics II 2 semester hours
- MATH 234 Calculus III 4 semester hours
- MATH 245 Ordinary Differential Equations 3 semester hours
- MATH 248 Introduction to Methods of Proof 3 semester hours
- MATH 250 Linear Algebra 3 semester hours
- MATH 282 Elementary Computational Methods 3 semester hours

### One science course chosen from

- BIOL 101 General Biology I 3 semester hours
- BIOL 102 General Biology II 3 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 114 General Chemistry for Engineers 3 semester hours
- CMSI 185 Computer Programming 3 semester hours

- CMSI 281 Data Structures *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

Upper Division Requirements (10 courses):

- MATH 321 Real Variables I *3 semester hours*
- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*

One of:

- MATH 491 Senior Mathematics Seminar *3 semester hours*
- MATH 493 Senior Seminar for Future Mathematics Educators *3 semester hours*
- MATH 495 Mathematical Modeling *3 semester hours*
- MATH 497 Senior Thesis *3 semester hours*

Fifteen additional semester hours in upper division MATH electives (excluding MATH 301 and MATH 302) chosen in consultation with her/his advisor.

Bachelor of Science in Mathematics Curriculum

(124/126 S.H.)

Freshman Year

Fall Semester

- MATH 131 Calculus I *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

Spring Semester

- MATH 132 Calculus II *4 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- Science Requirement *3-4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

- University Core *3-4 semester hours*

Total: 15-18 semester hours

Sophomore Year

Fall Semester

- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

Note:

Dean's list requires minimum of 14 semester hours.

Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

Spring Semester

- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*
- University Core *3-4 semester hours* or
- Elective *3-4 semester hours*
- University Core *3-4 semester hours* or
- Elective *3-4 semester hours*

Total: 15-17 semester hours

Junior Year

Fall Semester

- MATH 321 Real Variables I *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours* \*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours* or
- Elective *3-4 semester hours*

Total: 15-18 semester hours

#### Spring Semester

- MATH 331 Elements of Group Theory 3 semester hours
- MATH 357 Complex Variables 3 semester hours \*
- MATH 3xx Mathematics Elective 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

#### Senior Year

#### Fall Semester

- MATH 3xx Mathematics Elective 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

#### Spring Semester

- MATH 3xx Mathematics Elective 3 semester hours
- MATH 49x Seminar 3 semester hours\*\* or
- MATH 497 Senior Thesis 3 semester hours \*\*
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

Total: 124/126 semester hours

\* MATH 357 and MATH 360 are both required but can be taken in any order.

\*\* Either MATH 491, MATH 493, MATH 495, or MATH 497 is required (one course only) for the Bachelor of Science in Mathematics.

#### Mathematics for Teaching, M.A.T.

This program provides an opportunity for secondary school teachers to broaden their background in mathematical science and connect this knowledge to current education practice.

#### Learning Outcomes

Students graduating from this program will have a deeper and richer understanding of mathematics. In particular, they will

1. Appreciate the aesthetics of mathematics
2. Have knowledge of how advanced mathematics is reflected in teaching high school mathematics
3. Be proficient at proof and problem solving, particularly as related to teaching high school mathematics

4. Be better prepared to assume a leadership role in the mathematics community at their schools.

#### Admission Requirements

Students seeking admission to the Master of Arts in Teaching Mathematics program should have completed an undergraduate program in mathematics or a closely related field. The applicant must have completed a minimum of six upper division courses in Mathematics with a 3.0 ("B") average.

To be considered for admission, students must submit a Graduate Division application, the application fee, a statement of intent, and transcripts from all colleges/universities attended. A cumulative GPA of 3.0 as an undergraduate or a 3.0 GPA in at least 9 units of graduate level coursework is required. A letter of recommendation addressing the student's mathematical background and teaching experience, if any, is also required.

#### Program Requirements

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. A degree candidate is required to complete, with an average grade of at least 3.0 ("B"), a program of study that may include prerequisite undergraduate-level coursework, and that must include thirty or more semester hours of graduate-level coursework, as deemed appropriate by the advisor in consultation with the department. Of the graduate level coursework, at least fifteen semester hours are to be in Mathematics and fifteen in Education.

#### Applied Mathematics Minor

##### Minor in Applied Mathematics Requirements

At least 24 semester hours including:

- MATH 131 Calculus I 4 semester hours
- MATH 132 Calculus II 4 semester hours
- MATH 234 Calculus III 4 semester hours
- MATH 245 Ordinary Differential Equations 3 semester hours
- MATH 250 Linear Algebra 3 semester hours or
- One additional 3-semester-hour upper division MATH course chosen in consultation with the applied mathematics minor advisor.

Choose one:

- MATH 355 Methods of Applied Mathematics 3 semester hours
- MATH 360 Introduction to Probability and Statistics 3 semester hours
- MATH 366 Discrete Methods 3 semester hours

Choose one:

- MATH 321 Real Variables I 3 semester hours (MATH 248 is a prerequisite for MATH 321, so the MATH 321 option requires 27 semester hours)
- MATH 357 Complex Variables 3 semester hours
- MATH 560 Advanced Topics in Probability and/or Statistics 3 semester hours

- MATH 562 Numerical Analysis 3 *semester hours*

Note:

A cumulative grade point average of C (2.0) or better is required in the courses included in the minor.

### Pure Mathematics Minor

Minor in Pure Mathematics Requirements

At least 24 semester hours including:

- MATH 131 Calculus I 4 *semester hours*
- MATH 132 Calculus II 4 *semester hours*
- MATH 234 Calculus III 4 *semester hours*
- MATH 248 Introduction to Methods of Proof 3 *semester hours*
- MATH 250 Linear Algebra 3 *semester hours* or
- One additional 3-semester-hour upper division MATH course chosen in consultation with the pure mathematics minor advisor

Choose one:

- MATH 331 Elements of Group Theory 3 *semester hours*
- MATH 350 Advanced Linear Algebra 3 *semester hours*
- MATH 366 Discrete Methods 3 *semester hours*

Choose one:

- MATH 321 Real Variables I 3 *semester hours*
- MATH 357 Complex Variables 3 *semester hours*
- MATH 471 Topology 3 *semester hours*
- MATH 550 Fundamental Concepts of Geometry 3 *semester hours*

Note:

A minimum cumulative grade point average of C (2.0) is required in the courses included in the minor.

### Secondary Education Mathematics Minor

Minor in Secondary Education Mathematics Requirements

At least 24 semester hours including:

- MATH 131 Calculus I 4 *semester hours*
- MATH 132 Calculus II 4 *semester hours*
- MATH 234 Calculus III 4 *semester hours*
- MATH 248 Introduction to Methods of Proof 3 *semester hours*
- MATH 360 Introduction to Probability and Statistics 3 *semester hours*
- MATH 490 History of Mathematics 3 *semester hours*
- MATH 550 Fundamental Concepts of Geometry 3 *semester hours*

Note:

A cumulative grade point average of C (2.0) or better is required in the courses included in the minor.

### Mechanical Engineering

#### Faculty

Chairperson: Matt Siniawski

Graduate Program Director: Rafiqul I. Noorani

Professors: Omar S. Es-Said, Mel I. Mendelson, Rafiqul I. Noorani, Nader Saniei, Matt Siniawski

Assistant Professors: Pezhman Hassanpour, Emin Issakhanian, Brendan Smith

Visiting Assistant Professor: Nojumi Seyedali

Lecturers: Chris Cobb, Greg V. Meholic, James P. Nokes, Hooman Rahimi-Zadeh

#### Description

Mechanical Engineering is pertinent to a variety of engineering activities and products, such as transportation vehicles, energy generation, machine mechanisms, manufacturing systems, structures, and processing plants. The Mechanical Engineering programs provide a solid foundation for work in all of these fields. The flexible and modern curricula cover contemporary technology as well as the fundamentals for future technologies and are designed to prepare students for employment in industry and advanced studies. Modern, well-equipped research laboratories support the curricula. These laboratory facilities include computer-aided design and engineering, manufacturing, materials science and processing, rapid prototyping, rehabilitation engineering, robotics, solid mechanics, and thermal and fluid systems.

#### Mission

The mission of the Mechanical Engineering Department is to provide a high quality, practice-oriented, design-focused curriculum that prepares students for both leadership roles in industry and advanced graduate studies.

#### Mechanical Engineering, B.S.E.

The Bachelor of Science program in Mechanical Engineering is designed to prepare the student for immediate entry into the mechanical engineering profession or graduate study toward advanced degrees. Engineering design is a major emphasis of the curriculum, and students work on various aspects of design projects throughout, culminating in a comprehensive capstone design project.

#### Accreditation

The Mechanical Engineering undergraduate program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

#### Program Educational Objectives

The mechanical engineering undergraduate program has established the following program educational objectives that are consistent with the University's mission and the department's program outcomes. During the first 3-5 years after graduation, mechanical engineering students will:

1. Advance in their professional careers and pursue graduate studies and continuous learning in areas relevant to their long-term goals;
2. Demonstrate leadership and competency in professional activities such as research, experimental studies, and industrial projects;

3. Be capable of working effectively in cross-functional teams, communicating effectively, and participating in the practice of mechanical engineering design; and
4. Contribute to professional societies and demonstrate ethical conduct.

These program educational objectives are accomplished through the major requirements, the core curriculum, design competition experiences, internships, research opportunities, professional society involvement, and extracurricular activities.

#### Student Outcomes

The mechanical engineering undergraduate program has established the following 11 student outcomes:

- a. an ability to apply knowledge of mathematics, science, and engineering
- b. an ability to design and conduct experiments, as well as to analyze and interpret data
- c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- d. an ability to function on multidisciplinary teams
- e. an ability to identify, formulate, and solve engineering problems
- f. an understanding of professional and ethical responsibility
- g. an ability to communicate effectively
- h. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- i. a recognition of the need for, and an ability to engage in life-long learning
- j. a knowledge of contemporary issues
- k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

#### Transfer Requirements

Students who are currently enrolled in another major at LMU, but are interested in changing their major to MECH must complete CHEM 111, CHEM 114; ENGR 200; MATH 131, MATH 132; and PHYS 101 with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the Chair of the Mechanical Engineering Department.

#### Major Requirements

##### Lower Division Requirements:

- BIOL 114 Biology for Engineers 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 114 General Chemistry for Engineers 3 semester hours
- ELEC 210 Electric Circuit Analysis 3 semester hours
- ELEC 213 Electric Circuit Analysis Lab 0 semester hours
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design 3 semester hours
- ENGR 160 Algorithms and Applications 3 semester hours
- ENGR 200 Statics 3 semester hours
- MATH 131 Calculus I 4 semester hours
- MATH 132 Calculus II 4 semester hours
- MATH 234 Calculus III 4 semester hours

- MATH 245 Ordinary Differential Equations 3 semester hours
- MECH 211 Computer Aided Design 2 semester hours
- MECH 212 Mechanics of Materials 3 semester hours
- MECH 213 Dynamics 3 semester hours
- MECH 223 Thermodynamics 3 semester hours
- PHYS 101 Introduction to Mechanics 4 semester hours
- PHYS 201 Introduction to Electricity and Magnetism 4 semester hours

##### Upper Division Requirements:

- CIVL 395 Engineering Economics and Decision Theory 3 semester hours
- MATH 355 Methods of Applied Mathematics 3 semester hours
- MECH 302 Thermal Science and Energy Lab 2 semester hours
- MECH 303 Solid Mechanics and Materials Laboratory 2 semester hours
- MECH 310 Machine Design 3 semester hours
- MECH 312 Vibrations 3 semester hours
- MECH 313 Materials Science 3 semester hours
- MECH 321 Energy Systems 3 semester hours
- MECH 322 Fluid Mechanics 3 semester hours
- MECH 323 Heat Transfer 3 semester hours
- MECH 401 Design Capstone Project I 3 semester hours
- MECH 402 Design Capstone Project II 3 semester hours
- MECH 410 Design and Manufacturing Laboratory 2 semester hours
- MECH 412 Control Systems 3 semester hours
- Four 500-level MECH elective courses 12 semester hours

#### Mechanical Engineering Curriculum

##### Freshman Year

##### Fall Semester

- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 114 General Chemistry for Engineers 3 semester hours
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design 3 semester hours
- MATH 131 Calculus I 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

Total: 14-15 semester hours

##### Spring Semester

- BIOL 114 Biology for Engineers 3 semester hours
- ENGR 160 Algorithms and Applications 3 semester hours
- MATH 132 Calculus II 4 semester hours
- PHYS 101 Introduction to Mechanics 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 17-18 semester hours

Sophomore Year

Fall Semester

- ELEC 210 Electric Circuit Analysis 3 semester hours
- ELEC 213 Electric Circuit Analysis Lab 0 semester hours
- ENGR 200 Statics 3 semester hours
- MATH 234 Calculus III 4 semester hours
- PHYS 201 Introduction to Electricity and Magnetism 4 semester hours
- University Core 3-4 semester hours

Total: 17-18 semester hours

Spring Semester

- MATH 245 Ordinary Differential Equations 3 semester hours
- MECH 211 Computer Aided Design 2 semester hours
- MECH 212 Mechanics of Materials 3 semester hours
- MECH 213 Dynamics 3 semester hours
- MECH 313 Materials Science 3 semester hours
- University Core 3-4 semester hours

Total: 17-18 semester hours

Junior Year

Fall Semester

- MATH 355 Methods of Applied Mathematics 3 semester hours
- MECH 223 Thermodynamics 3 semester hours
- MECH 303 Solid Mechanics and Materials Laboratory 2 semester hours
- MECH 312 Vibrations 3 semester hours
- MECH 322 Fluid Mechanics 3 semester hours
- University Core 3-4 semester hours

Total: 17-18 semester hours

Spring Semester

- MECH 302 Thermal Science and Energy Lab 2 semester hours
- MECH 310 Machine Design 3 semester hours
- MECH 321 Energy Systems 3 semester hours
- MECH 323 Heat Transfer 3 semester hours
- University Core 3-4 semester hours

Total: 14-15 semester hours

Senior Year

Fall Semester

- MECH 401 Design Capstone Project I 3 semester hours

- MECH 410 Design and Manufacturing Laboratory 2 semester hours
- MECH 412 Control Systems 3 semester hours
- MECH 5xx Elective 3 semester hours
- MECH 5xx Elective 3 semester hours

Total: 14 semester hours

Spring Semester

- CIVL 395 Engineering Economics and Decision Theory 3 semester hours
- MECH 402 Design Capstone Project II 3 semester hours
- MECH 5xx Elective 3 semester hours
- MECH 5xx Elective 3 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

Total Required: 131 semester hours

**Mechanical Engineering, M.S.E.**

**Admission Requirements**

All applicants must possess a Bachelor of Science (B.S.) degree or an undergraduate engineering degree, which shall include at least:

1. 3 semester hours (1 course) of general chemistry
2. Mathematics courses through differential equations

Those applicants who do not possess an engineering degree, in addition to items 1 and 2 above, should complete the following five courses with an average grade of B (3.0) or better. These are: Mechanics of Material, Dynamics, Thermodynamics, Fluid Mechanics, and Heat Transfer.

A completed application form and \$50 application fee (completed online at the Loyola Marymount University Graduate Division). Admission into the program is in strict conformity with the requirements for all graduate students set forth by the LMU Graduate Division. Upon review of the student's undergraduate and professional preparation, additional admission requirements may be set by the Mechanical Engineering Department. Students applying for the combined B.S./M.S. degrees must apply in the Fall semester of their senior year, indicating the "Combined B.S. and M.S." on their application form.

**Program Requirements**

**Requirements for Master of Science in Engineering Degree, major in Mechanical Engineering (30 semester hours)**

The candidate for the Master of Science in Engineering degree in Mechanical Engineering must satisfy the following requirements:

1. Complete MECH 504, Engineering Mathematics
2. Complete 27 semester hours (9 courses) from MECH 500 and 600 level courses.
3. At least 12 semester hours must be at the 600 level.

A maximum of one elective course in another engineering department may be taken with the consent of the Graduate Program Director. The Thesis Option (MECH 686) may be chosen to satisfy

up to 6 semester hours of these elective course requirements (see below).

4. Maintain a minimum cumulative GPA of 3.0 ("B") for all coursework

5. A maximum of four courses (12 semester hours) may be taken in any given semester

6. Thesis Option

With the consent of the Graduate Director, the student may elect a thesis. The thesis will satisfy 6 semester hours of the elective mechanical engineering course work requirements. The student may enroll for a maximum of 3 semester hours of Master's Thesis in any given semester (MECH 686). The student electing the thesis option must obtain a thesis advisor before Graduate Director consent will be considered. Formal thesis requirements must be obtained from the Graduate Program Director.

Requirements for the Combined B.S./M.S. Degrees, major in Mechanical Engineering

### **(30 semester hours)**

Only LMU Seniors in Mechanical Engineering with a GPA of 3.0 or greater are eligible to apply for the combined degree program. The student must apply for admission before the end of the Fall semester of the senior year. The candidate for the Combined B.S./M.S. in Engineering degree in Mechanical Engineering must satisfy the following requirements:

1. Students may count one 500-level class from their undergraduate degree towards their masters degree.
2. In addition to the undergraduate B.S. degree requirements, an admitted student must enroll in one additional 500-level mechanical engineering course during the Spring semester of the senior year.
3. The student should take two 500- or 600-level course during Summer Session immediately following the senior year. At least three courses per semester are typically taken during the first year of the program.
4. Complete MECH 504 Engineering Mathematics.
5. Complete 3 semester hours of the research project course (MECH 685), typically during the fall semester. The student must obtain a project advisor before the Graduate Director will grant consent. Formal requirements must be obtained from the Graduate Program Director. The project normally takes two semesters to complete.
6. The student cannot enroll in the Thesis Option or retake any 500-level courses already completed from the undergraduate degree.

## **Physics and Engineering Physics**

### **Faculty**

Chairperson: Jeff Sanny

Professors: John B. Bulman, Vincent P. Coletta, Jonas R. Mureika, Jeff Sanny, Gabriele U. Varieschi

Associate Professor: Jeffrey A. Phillips

Adjunct Professor: James McCarthy

Clinical Assistant Professor: David Berube

The Physics department offers degrees in Physics and Engineering Physics.

### **Engineering Physics, B.S.**

## **Objectives**

The B.S. Engineering Physics degree provides extensive education in engineering as well as physics. The curriculum combines the strengths of a physics curriculum (with emphasis on understanding basic principles) and an engineering curriculum (with emphasis on applications). Graduates are especially well prepared for either graduate work in engineering or applied physics or for immediate employment by companies with an engineering research orientation. With the right electives, the curriculum provides excellent preparation for graduate work in biomedical engineering.

## **Major Requirements**

### **Lower Division Requirements:**

- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 195 Waves and Light *3 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 212 Intermediate Mechanics *3 semester hours*

### **Note:**

Each course in MATH and PHYS listed above must be passed with a grade of C (2.0) or better.

### **Upper Division Requirements:**

- ELEC 301 Junior Lab I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- PHYS 301 Electromagnetic Fields *3 semester hours*
- PHYS 302 Electromagnetic Waves *3 semester hours*
- PHYS 321 Quantum Mechanics I *3 semester hours*
- PHYS 322 Quantum Mechanics II *3 semester hours*
- PHYS 411 Modern Physics Lab *3 semester hours*

Two upper division physics electives selected from the following:

- PHYS 351 Space Physics 3 semester hours
- PHYS 361 Astrophysics 3 semester hours
- PHYS 371 Biophysics 3 semester hours
- PHYS 421 Condensed Matter Physics 3 semester hours
- PHYS 441 Modern Optics 3 semester hours
- PHYS 461 Elementary Particle Physics 3 semester hours
- PHYS 471 Introduction to Relativity and Cosmology 3 semester hours

Seniors must complete:

- PHYS 480 Capstone Experience 1 semester hours
- PHYS 481 Senior Thesis 1 semester hours

Students must also take a two-course sequence in a technical area:

Among the options are:

- ELEC 302 Junior Lab II 3 semester hours and
- ELEC 383 Introduction to Microprocessors 3 semester hours
- MECH 323 Heat Transfer 3 semester hours and
- PHYS 451 Thermodynamics and Statistical Mechanics 3 semester hours
- ELEC 371 Linear Systems 3 semester hours and
- ELEC 423 Communications I 3 semester hours

Note:

To graduate, a student must have at least a 2.0 (C) average in all upper division physics courses.

Learning Outcomes

Engineering Physics majors will know:

1. The concepts of classical physics
2. The theories of modern and contemporary physics
3. The concepts of engineering and applied physics

Engineering Physics majors will be able to:

1. Understand, apply, and adapt known physical models to real-world situations
2. Solve problems, which includes formulating a strategy, estimating a solution, applying appropriate techniques, and evaluating the result
3. Design systems, conduct experiments, and analyze data to address the needs of contemporary society
4. Employ computational methods to perform calculations and generate data that model physical systems
5. Communicate effectively their understanding of core engineering principles, the results of experiments, and their analysis of physical problems

Engineering Physics majors will value:

1. Ethical and unbiased actions as cornerstones to the scientific method
2. The impact of applied physics on society
3. The interplay between theory and applications

Engineering Physics Curriculum

(128-132 S.H.)

Freshman Year

Fall Semester

- PHYS 195 Waves and Light 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 114 General Chemistry for Engineers 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design 3 semester hours
- MATH 131 Calculus I 4 semester hours

Total: 17-18 semester hours

Spring Semester

- ENGR 160 Algorithms and Applications 3 semester hours
- MATH 132 Calculus II 4 semester hours
- PHYS 101 Introduction to Mechanics 4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 14-15 semester hours

Sophomore Year

Fall Semester

- PHYS 201 Introduction to Electricity and Magnetism 4 semester hours
- ELEC 210 Electric Circuit Analysis 3 semester hours
- ELEC 213 Electric Circuit Analysis Lab 0 semester hours
- MATH 234 Calculus III 4 semester hours
- MATH 245 Ordinary Differential Equations 3 semester hours
- University Core 3-4 semester hours

Total: 17-18 semester hours

Spring Semester

- PHYS 206 Foundations of Modern Physics 4 semester hours
- PHYS 212 Intermediate Mechanics 3 semester hours
- ELEC 220 Electric Circuit Applications 3 semester hours
- ELEC 281 Logic Design 3 semester hours
- MATH 250 Linear Algebra 3 semester hours

Total: 16 semester hours

Junior Year

Fall Semester

- PHYS 301 Electromagnetic Fields 3 semester hours or
- PHYS 321 Quantum Mechanics I 3 semester hours
- ELEC 353 Electronics I 3 semester hours

- MATH 355 Methods of Applied Mathematics 3 *semester hours*
- ELEC 301 Junior Lab I 3 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-16 semester hours

#### Spring Semester

- PHYS 302 Electromagnetic Waves 3 *semester hours* or
- PHYS 322 Quantum Mechanics II 3 *semester hours*
- ELEC 354 Electronics II 3 *semester hours*
- Technical Sequence 3 *semester hours* or
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-18 semester hours

#### Senior Year

##### Fall Semester

- PHYS 301 Electromagnetic Fields 3 *semester hours* or
- PHYS 321 Quantum Mechanics I 3 *semester hours*
- PHYS 480 Capstone Experience 1 *semester hours*
- Upper Division Physics Elective 3 *semester hours*
- Technical Sequence 3 *semester hours*\*
- PHYS 411 Modern Physics Lab 3 *semester hours*
- University Core 3-4 *semester hours*

Total: 16-17 semester hours

##### Spring Semester

- PHYS 302 Electromagnetic Waves 3 *semester hours* or
- PHYS 322 Quantum Mechanics II 3 *semester hours*
- PHYS 481 Senior Thesis 1 *semester hours*
- Upper Division Physics Elective 3 *semester hours*
- Technical Sequence 3 *semester hours*\* or
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-15 semester hours

\*A two-course sequence in a technical area is required.

Some recommended sequences are:

- ELEC 302 Junior Lab II 3 *semester hours* and
- ELEC 383 Introduction to Microprocessors 3 *semester hours*
- or

- MECH 322 Fluid Mechanics 3 *semester hours* and
- PHYS 451 Thermodynamics and Statistical Mechanics 3 *semester hours*
- or
- ELEC 371 Linear Systems 3 *semester hours* and
- ELEC 423 Communications I 3 *semester hours*

Total: 128-132 semester hours

#### Physics, B.S.

##### Objectives

The B.S. Physics degree provides a solid foundation in classical and modern physics. This program is well suited for the student who wishes to continue the study of physics at the graduate level, leading to a career in research and/or university teaching. With a proper choice of electives, the physics degree is also suitable for a variety of other careers requiring graduate education. Physics graduates can pursue advanced studies in fields such as optics, biophysics, geophysics and space science, nuclear engineering, business management, or law. Some physics majors choose electives that prepare them for medical school. Physics graduates can also select immediate employment in a number of areas, including high school teaching and various areas of industrial science and technology. Because of the flexibility of the physics major, with its numerous electives, it is possible to double major in physics and some other discipline. Examples of double degrees that can be completed in four years are physics and math, or physics and chemistry. Each of these double majors is very powerful, in that it develops the ability to solve problems that require a knowledge of two separate disciplines.

##### Major Requirements

##### Lower Division Requirements:

- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 114 General Chemistry for Engineers 3 *semester hours*
- ENGR 160 Algorithms and Applications 3 *semester hours*
- MATH 131 Calculus I 4 *semester hours*
- MATH 132 Calculus II 4 *semester hours*
- MATH 234 Calculus III 4 *semester hours*
- MATH 245 Ordinary Differential Equations 3 *semester hours*
- MATH 250 Linear Algebra 3 *semester hours*
- PHYS 101 Introduction to Mechanics 4 *semester hours*
- PHYS 195 Waves and Light 3 *semester hours*
- PHYS 201 Introduction to Electricity and Magnetism 4 *semester hours*
- PHYS 206 Foundations of Modern Physics 4 *semester hours*
- PHYS 212 Intermediate Mechanics 3 *semester hours*

##### Note:

Each course in MATH and PHYS listed above must be passed with a grade of C (2.0) or better.

##### Upper Division Requirements:

- MATH 355 Methods of Applied Mathematics 3 *semester hours*
- PHYS 301 Electromagnetic Fields 3 *semester hours*
- PHYS 302 Electromagnetic Waves 3 *semester hours*
- PHYS 321 Quantum Mechanics I 3 *semester hours*
- PHYS 322 Quantum Mechanics II 3 *semester hours*
- PHYS 411 Modern Physics Lab 3 *semester hours*
- PHYS 451 Thermodynamics and Statistical Mechanics 3 *semester hours*

One from:

- MATH 350 Advanced Linear Algebra 3 *semester hours*
- MATH 357 Complex Variables 3 *semester hours*
- MATH 360 Introduction to Probability and Statistics 3 *semester hours*

Three upper division physics electives selected from the following:

- PHYS 351 Space Physics 3 *semester hours*
- PHYS 361 Astrophysics 3 *semester hours*
- PHYS 371 Biophysics 3 *semester hours*
- PHYS 421 Condensed Matter Physics 3 *semester hours*
- PHYS 441 Modern Optics 3 *semester hours*
- PHYS 461 Elementary Particle Physics 3 *semester hours*
- PHYS 471 Introduction to Relativity and Cosmology 3 *semester hours*

Seniors must complete:

- PHYS 480 Capstone Experience 1 *semester hours*
- PHYS 481 Senior Thesis 1 *semester hours*

Note:

To graduate, a student must have at least a 2.0 average in all upper division physics courses.

Learning Outcomes

Physics majors will know:

1. The concepts of classical physics
2. The theories of modern physics
3. The discoveries and questions of contemporary physics

Physics majors will be able to:

1. Form new inferences about the physical world by carrying out scientific investigations
2. Solve problems, which includes formulating a strategy, estimating a solution, applying appropriate techniques, and evaluating the result
3. Design and conduct experiments, and well as analyze and interpret the resulting data
4. Employ computational methods to perform calculations and model physical systems
5. Communicate effectively their understanding of core physical principles, the results of experiments, and their analysis of physical problems

Physics majors will value:

1. Ethical and unbiased actions as cornerstones to the scientific method
2. The impact of physics on society

3. The role of elegance and beauty in the scientific process

Physics Curriculum

(125-129 S.H.)

Freshman Year

Fall Semester

- PHYS 195 Waves and Light 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 114 General Chemistry for Engineers 3 *semester hours*
- MATH 131 Calculus I 4 *semester hours*
- FFYS 1000 First Year Seminar 3 OR 4 *semester hours*

Total: 14-15 semester hours

Spring Semester

- PHYS 101 Introduction to Mechanics 4 *semester hours*
- ENGR 160 Algorithms and Applications 3 *semester hours*
- MATH 132 Calculus II 4 *semester hours*
- RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*

Total: 14-15 semester hours

Sophomore Year

Fall Semester

- PHYS 201 Introduction to Electricity and Magnetism 4 *semester hours*
- MATH 234 Calculus III 4 *semester hours*
- MATH 245 Ordinary Differential Equations 3 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-15 semester hours

Spring Semester

- PHYS 206 Foundations of Modern Physics 4 *semester hours*
- PHYS 212 Intermediate Mechanics 3 *semester hours*
- MATH 250 Linear Algebra 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 16-18 semester hours

Junior Year

Fall Semester

- PHYS 301 Electromagnetic Fields 3 *semester hours* or
- PHYS 321 Quantum Mechanics I 3 *semester hours*

- Upper Division Physics Elective 3 *semester hours*
- MATH 355 Methods of Applied Mathematics 3 *semester hours*
- PHYS 411 Modern Physics Lab 3 *semester hours* or
- Upper Division Elective 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-17 semester hours

#### Spring Semester

- PHYS 302 Electromagnetic Waves 3 *semester hours* or
- PHYS 322 Quantum Mechanics II 3 *semester hours*
- Upper Division Physics Elective 3 *semester hours* or
- PHYS 451 Thermodynamics and Statistical Mechanics 3 *semester hours*
- MATH 350-360 3 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 15-17 semester hours

#### Senior Year

#### Fall Semester

- PHYS 301 Electromagnetic Fields 3 *semester hours* or
- PHYS 321 Quantum Mechanics I 3 *semester hours*
- PHYS 411 Modern Physics Lab 3 *semester hours* or
- Upper Division Elective 3-4 *semester hours*
- PHYS 480 Capstone Experience 1 *semester hours*
- Upper Division Physics Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 16-18 semester hours

#### Spring Semester

- PHYS 302 Electromagnetic Waves 3 *semester hours* or
- PHYS 322 Quantum Mechanics II 3 *semester hours*
- Upper Division Physics Elective 3 *semester hours* or
- PHYS 451 Thermodynamics and Statistical Mechanics 3 *semester hours*
- PHYS 481 Senior Thesis 1 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 16-19 semester hours

Total: 125-129 semester hours

### Physics Minor

#### Minor Requirements

21 semester hours with at least 6 semester hours in upper division courses. These shall include:

either:

PHYS 101 Introduction to Mechanics 4 *semester hours*

- PHYS 201 Introduction to Electricity and Magnetism 4 *semester hours*
- PHYS 206 Foundations of Modern Physics 4 *semester hours*

or:

- PHYS 206 Foundations of Modern Physics 4 *semester hours*
- PHYS 253 General Physics I 4 *semester hours*
- PHYS 254 General Physics II 4 *semester hours*

Notes:

1. A grade of C (2.0) is required for every course included in the minor.
2. PHYS 374 Weapons of Mass Destruction cannot be taken for credit towards a physics minor.

### Systems Engineering and Engineering Management

#### Faculty

Graduate Director: Frederick S. Brown, Ph.D.  
Professor: Bohdan W. Oppenheim, Ph.D., Associate Director for Healthcare Systems Engineering

#### Lecturers

Steven Badelt, Ph.D.; Joseph Duhig; Arnold Galloway, Ph.D.; Elham Ghashghai, Ph.D.; Ali X. Ghobadi, M.D.; Howard Fullman, M.D.; Claire Leon, Ph.D.; Brian Lottman, Ph.D.; Catherine Martin, Ph.D.; Hugh McManus, Ph. D.; John Poladian; Richard Singerman, Ph.D.; John Stupar, Ed.D.; Charles Tang, Ph.D.; Jeffrey Weisz, M.D.; Ron Williamson

#### Program Advisers

James Horejsi, Col., USAF SM, Ret.; Michael Kanter, M.D., CPPS, Executive VP, Chief Quality Officer, Kaiser Permanente; Mitesh B Rao, M.D., MHS, Stanford Health Care; Donna Rhodes, Ph.D., MIT; Cara N. Steinkeler, M.D., Kaiser Permanente; Jeffrey Weisz, M.D., Sullivan, Cotter and Assoc., Inc. formerly CEO of Kaiser Permanente

#### Contact Information

**Graduate Director:** Frederick S. Brown

**Office Location:** Doolan Hall 218

**Telephone:** 310.338.7878

**Fax:** 310.338.5249

**E-mail:** fbrown@lmu.edu

#### Mission Statement

The mission of the Systems Engineering MS programs is to provide working engineers and scientists with the skills and modern tools needed to manage complex, interdisciplinary technical and healthcare endeavors and systems engineering interdisciplinary teams to enable the realization of successful systems.

The Systems Engineering program offers students the following MS and Certificate programs:

1. **Systems Engineering MS** program.
2. **Healthcare Systems Engineering MS** program with two modalities:
  - a. **4+1 HSE** program for LMU undergraduate science students (who earn their BS degree at LMU and the MS degree one year later)
  - b. **A regular HSE MS** program for other students.
3. **Systems Engineering Leadership Program (SELP)** offering a dual degrees of MS in Systems Engineering and MBA to provide integrated systems engineering and business skills for becoming systems engineering managers and leaders.
4. **Systems Engineering MS program with a Technical Focus** in another science, engineering or computer science discipline providing multidisciplinary breadth. The student pursuing this option will take three Electives in another engineering graduate program offered by the Frank R. Seaver College of Science and Engineering at LMU. The student's prior education must provide suitable preparation for such studies. The course plan must be approved by both the Director of Systems Engineering and the Director of the Technical Focus program.
5. **Graduate Certificate in Lean Healthcare Systems** (limited to Healthcare professionals).
6. **Graduate Certificate in Program Leadership**
7. **Graduate Certificate in Systems Engineering**

#### Admission and Graduation Requirements

Both admission and graduation requirements are listed individually under the program names below. Please visit those pages.

#### Schedule

Most engineering courses are offered on the LMU Westchester campus and typically meet in the evenings (online courses are identified individually). Usually courses meet one evening per week for three hours except during the summer semesters when each course meets two evenings per week for 3.5 hours each.

The Systems Engineering MS program, the Systems Engineering with Technical Focus MS program, and regular Healthcare Systems Engineering MS program are designed to be completed in about two years by a working student taking two courses per semester, including some summer courses. With aggressive scheduling of courses, the Healthcare MS program can be completed in one year. The interested student should contact Dr. Oppenheim. The 4+1 Healthcare Systems Engineering MS program is designed to be completed in one year. The dual degree Systems Engineering Leadership Program is designed to be completed in about three years.

The Certificate programs can be completed within three consecutive semesters (but the Lean Healthcare Certificate can be completed faster upon special arrangements). The 4+1 HSE students apply by November 1 and are admitted during November. All other students can be admitted anytime during the academic year. The application deadlines for admission are April 15 for the Summer session, July 15 for the Fall semester, and November 1 for the Spring semester.

#### GPA

Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree. The overall minimum GPA required for graduation is 3.0 in the MS programs and 2.7 in the Certificate programs.

#### Lean Healthcare Systems Certificate

The three-course graduate certificate in Lean Healthcare Systems is a convenient advanced program for healthcare professionals (providers and nurses in hospitals, clinics and emergency departments, clinical laboratories, and administrators) desiring to acquire higher and practical knowledge of streamlining operations, eliminating waste and increasing value to patients, providers and the enterprise. The Certificate delivers modern and comprehensive practical education. No prior knowledge of Lean is required. The program is managed by the Systems Engineering faculty specializing in Healthcare Systems.

#### Admission Requirements

- Application to Graduate Admissions and a \$50 application fee. To apply on-line, visit <http://graduate.lmu.edu>.
- B.S. or B.A. from an accredited university program
- Undergraduate transcript
- Two years' work experience in healthcare environment
- Two letters of recommendation from employers (one current) or former professors.

#### Graduation Requirements

Completion of the following three courses (9 semester hours):

- SELP 535 Lean Healthcare 3 semester hours
- SELP 635 Advanced Lean Management of Healthcare 3 semester hours
- SELP 696 Project in Healthcare 3 semester hours

The overall minimum GPA required for award of the Certificate is 2.7; the minimum grade in the 535 course is B, and the minimum grade in the 600-level courses is C.

#### Schedule

The SELP 535 course is offered in the Second Summer session, meeting twice a week for 3.5 hours. The times and days are decided jointly by the instructor and the students. The course may be offered in class or online, depending on the class preference. The online student may take the course while sitting at his/her computer at work or home.

SELP 696 is a Project course offered in the Fall and Spring semester. It involves one day per week for about 5 hours. During the first part of the course students and the instructor visit each student workplace and perform Gemba walks looking for wastes and opportunities to improve operations. The second part of the course involves 6-hr meetings either at LMU or at the place of work of the student(s) developing the Lean improvements. All students work as a team benefitting from cross-learning.

The third course SELP 635 meets in the Fall semester one day per week for 3 hours. Other schedules for that course are possible, including online.

#### Program Leadership Certificate

The graduate Certificate in Program Leadership is a convenient advanced program for the engineers, systems engineers and individuals in program management desiring to acquire higher and practical knowledge of managing complex engineering programs. Upon completion of the certificate program, the student may re-enroll for the M.S. degree in Systems Engineering with Technical Focus in Program Leadership and have the courses completed for the certificate to be credited towards the M.S. degree.

#### Admission Requirements

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- B.S. in engineering or B.A. in Program Management or equivalent degree (GPA of 3.0 or better) from an accredited university program
- Two years' work experience
- Prerequisite knowledge of the fundamentals of Lean (equivalent to course SELP 530)
- Two original copies of the undergraduate transcript
- Resume
- Brief personal statement discussing how the graduate program fits the applicant's career goals

#### Note:

If the applicant's GPA is below 3.0, also submit two letters of recommendation from past professors or current employer.

#### Graduation Requirements

Completion of three (3) following courses (9 semester hours):

- SELP 510 Project Management *3 semester hours*
- SELP 610 Advanced Program Management *3 semester hours*
- SELP 630 Advanced Lean Management of Engineering Programs *3 semester hours*

If the enrolling student lacks the prerequisite knowledge of Lean (equivalent to course SELP 530 Lean Thinking), then this course should be taken prior to SELP 630. This course will not count towards the certificate credits but would count towards the subsequent M.S. degree credits, if chosen.

#### Note:

The overall minimum GPA required for award of the Certificate is 2.7. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their Certificate. In order to transfer the course credits towards an M.S. degree, the GPA from the certificate must be a "B" (3.0).

#### Schedule

The student can complete the certificate program in one year taking one course per semester, including Summer Session II. Scheduling of the courses is the student's responsibility.

#### Systems Engineering Certificate

The graduate certificate in Systems Engineering is a convenient program of the engineers desiring to acquire the fundamentals of Systems Engineering without the commitment to a full degree

program. Upon completion of the certificate program the student may enroll for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

#### Admission Requirements

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- B.S. or equivalent degree (GPA of 3.0\* or better) from an accredited university program
- Two original copies of the undergraduate transcript
- Resume
- Brief personal statement discussing how the graduate program fits the applicant's career goals

\*If the applicant's GPA is below 3.0, also submit two letters of recommendation from past professors or current employer.

#### Graduation Requirements

Completion of the following three courses (9 semester hours):

- SELP 500 Systems Engineering *3 semester hours*
- SELP 510 Project Management *3 semester hours*
- SELP 530 Lean Thinking *3 semester hours*

#### Note:

With the approval of the Program Director, other SELP courses may be substituted for one of the three above to meet the Certificate requirements.

#### Schedule

The student can complete the certificate program in three semesters or less taking one to two courses per semester. Scheduling of the courses is the student's responsibility.

#### M.B.A./M.S. Dual Degree: Systems Engineering Leadership Program

The mission of the Systems Engineering Leadership Program (SELP) is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The SELP will confer two degrees upon its graduates: an MBA and an MS in Systems Engineering. Students may obtain either an MS in Systems Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

#### Admissions

Both the MBA Program in the College of Business and the Systems Engineering Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the SELP for admission.

The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. Submit the application to

Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.

#### Course of Study

Students enrolled in the SELP Program are advised by the SELP Program Coordinator and can begin in any semester. The MBA portion of the program operates as a cohort that begins only in the Fall semester. The cohort requires each student to abide by the prescribed MBA curriculum for the first year which contains no electives. MBA electives can be taken in year two of the MBA program and may include SELP courses as needed to meet both degree requirements. It is recommended that incoming students take a full course load of SELP courses the first year of the dual-degree program, then begin the MBA cohort in year two, and select electives and additional SELP courses in year three.

In addition to the MBA Curriculum, SELP students will take a total of eight (8) Systems Engineering courses, of which four will be used to satisfy the emphasis/concentration requirement for the MBA degree. Students will also be required to take MBAH 673/SELP 673 New Product Design and Development. Three (3) additional courses of the SELP program are part of the MBA coursework and apply to the M.S. in Systems Engineering.

MBA curriculum (no emphasis)	45 semester hours
SELP curriculum (8 courses)	24 semester hours
Overlap course (MBAH 673/SELP 673)	3 semester hours
<b>Total:</b>	<b>72 semester hours</b>

#### Required College of Science and Engineering courses in Systems Engineering

- SELP 500 Systems Engineering 3 *semester hours*
- SELP 520 Engineering Ethics and Communications 3 *semester hours*
- SELP 530 Lean Thinking 3 *semester hours*
- SELP 550 Systems Architecting 3 *semester hours*
- SELP 600 Advanced Systems Engineering 3 *semester hours*
- SELP 630 Advanced Lean Management of Engineering Programs 3 *semester hours*
- SELP 640 Model Based Systems Engineering 3 *semester hours*
- SELP 695 Systems Engineering Integrative Project/Thesis 3 TO 6 *semester hours*

Note:

SELP Director has the discretion to substitute other SELP coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

Note:

Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree. The overall minimum GPA required for graduation is 3.0.

When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Systems Engineering degrees.

#### Healthcare Systems Engineering, M.S.

The HSE Master's Programs offer the two following modalities:

1. **4+1 HSE program** for LMU undergraduate science students who earn their BS degree at LMU and earn the MS degree one year later.
2. **A regular HSE MS program** for other students.

#### 4+1 HSE Program for LMU Undergraduate Science Students

##### Admission Requirements

- Senior standing in Fall semester; apply by November 1 in the Senior year. Admissions decided during the month of November
- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>
- Undergraduate GPA of at least 3.0 recommended. Lower GPA will be considered on a case-by-case basis
- Essay demonstrating passion for a healthcare career
- 2 letters of recommendation.

##### Graduation Requirements

The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level will not have the course count toward their degree.

One course (SELP 515) to be taken in the Senior year as an undergraduate elective (included in the undergraduate tuition), plus 9 HSE courses.

##### Core Courses

- SELP 505 Systems Engineering for Healthcare 3 *semester hours*
- SELP 510 Project Management 3 *semester hours*
- SELP 515 Healthcare Delivery Systems 3 *semester hours* (taken as an undergraduate elective in the Senior year included in the undergraduate tuition)
- SELP 535 Lean Healthcare 3 *semester hours*
- SELP 635 Advanced Lean Management of Healthcare 3 *semester hours*
- SELP 668 Systems Engineering Modeling and Analysis 3 *semester hours*
- SELP 625 Patient Safety and Quality Systems 3 *semester hours*
- SELP 696 Project in Healthcare 3 *semester hours*

##### Elective Courses

Two courses to be selected from the following electives:

- SELP 540 Systems Thinking 3 *semester hours*
- SELP 665 Data Mining in Healthcare 3 *semester hours* \*
- SELP 655 Medical Devices and Integrated Systems 3 *semester hours* \*

- SELP 675 Healthcare Enterprise Informatics and Electronic Records 3 semester hours \*
- SELP 699 Independent Studies 1 to 3 semester hours

Note:

\* In any given year, between one and three of these elective courses will be offered depending on the number of students and their interests.

Schedule

- Take the first course SELP 515 Healthcare Delivery Systems in Senior Spring semester as an Elective, under the undergraduate tuition
- Graduate normally with the BS degree in May of the Senior year
- As a graduate student, follow with the SELP 535 Lean Healthcare course in Summer Session II
- Follow with four courses in the Fall semester and four in the Spring semester
- Graduate with MS degree in May.

The students who fail to follow the above schedule default to the regular HSE MS program.

Registering into the courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University. A full-time course load is considered to be two courses in the Fall and Spring semesters.

For more information, contact Dr. Bo Oppenheim, boppenheim@lmu.edu, 310.338.2825.

HSE Program for Outside and LMU Post-Baccalaureate Program Students

Admission Requirements

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>
- Bachelor's degree from a U.S. accredited school
- GPA of at least 3.0 recommended. Lower GPA will be considered on a case-by-case basis
- Essay demonstrating passion for a healthcare career
- 3 letters of recommendation.

Graduation Requirements

The requirement for the MS in HSE is 30 semester hours (10 courses at three semester hours each). The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree.

Core Courses

- SELP 505 Systems Engineering for Healthcare 3 semester hours
- SELP 510 Project Management 3 semester hours
- SELP 515 Healthcare Delivery Systems 3 semester hours (required for students who lack healthcare work experience)

- SELP 535 Lean Healthcare 3 semester hours
- SELP 635 Advanced Lean Management of Healthcare 3 semester hours
- SELP 668 Systems Engineering Modeling and Analysis 3 semester hours
- SELP 625 Patient Safety and Quality Systems 3 semester hours
- SELP 696 Project in Healthcare 3 semester hours

Elective Courses

Three (3) courses to be selected from the following electives:

- SELP 540 Systems Thinking 3 semester hours
- SELP 665 Data Mining in Healthcare 3 semester hours \*
- SELP 655 Medical Devices and Integrated Systems 3 semester hours \*
- SELP 675 Healthcare Enterprise Informatics and Electronic Records 3 semester hours \*
- SELP 699 Independent Studies 1 to 3 semester hours

Note:

\* In any given year, between one and three of these elective courses will be offered depending on the number of students and their interests.

Note:

The students lacking healthcare work experience will need to include SELP 515 as one elective.

Schedule

- Application deadline: year round.
- If you have work experience in healthcare, you will enter the program in the Summer Session II with the course SELP 535 Lean Healthcare. If you have no healthcare work experience, you will enter the program in the Spring semester with SELP 515 Healthcare Delivery Systems, and follow with the SELP 535 Lean Healthcare in Summer Session II.
- Follow with the remaining 8 courses at your pace. The full-time load is two courses per each Fall and Spring semester.

The students with healthcare work experience may complete the HSE MS program in one year by following this aggressive schedule:

- Enter the program in the Summer Session II with the course SELP 535 Lean Healthcare.
- Follow with four courses in the Fall and four in the Spring semesters.
- End with an Elective course in the Summer Session I.

For More Information Contact:

Dr. Bo Oppenheim, boppenheim@lmu.edu, 310.338.2825  
 Dr. Elizabeth Yzquierdo, Elizabeth.Yzquierdo@lmu.edu, 310.338.2833

**Systems Engineering, M.S.**

Admission Requirements

All applicants must submit:

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>
- A transcript documenting the Bachelor's degree in engineering or science from an ABET accredited program with a GPA of 3.0 or better
- Three or more years of related work experience
- Resume
- Three letters of recommendation
- Essay discussing how the MS in SE fits into applicant's career development

#### Graduation Requirements

The students will be expected to adhere to the LMU policies and procedures stated in this Bulletin and those established by each course instructor. The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree.

The requirement for the MS in Systems Engineering degree is 11 courses, as follows:

##### a. Core Requirements for the MS in SE degree:

- SELP 500 Systems Engineering *3 semester hours*
- SELP 510 Project Management *3 semester hours*
- SELP 520 Engineering Ethics and Communications *3 semester hours*
- SELP 530 Lean Thinking *3 semester hours*
- SELP 550 Systems Architecting *3 semester hours*
- SELP 600 Advanced Systems Engineering *3 semester hours*
- SELP 640 Model Based Systems Engineering *3 semester hours*
- SELP 695 Systems Engineering Integrative Project/Thesis *3 TO 6 semester hours*

##### b. plus three (3) Electives to be selected from the following courses:

- SELP 540 Systems Thinking *3 semester hours*
- SELP 560 Integration of Hybrid Hardware and Software Systems *3 semester hours*
- SELP 598 Special Studies *1 TO 3 semester hours*
- SELP 610 Advanced Program Management *3 semester hours*
- SELP 620 Quality *3 semester hours*
- SELP 630 Advanced Lean Management of Engineering Programs *3 semester hours*
- SELP 650 IT and Software Project Management for Systems Engineers *3 semester hours*
- SELP 660 Cyber Security *3 semester hours*
- SELP 668 Systems Engineering Modeling and Analysis *3 semester hours*
- SELP 670 Spacecraft Design *3 semester hours*
- SELP 673 New Product Design and Development *3 semester hours*
- SELP 691 Systems Engineering Case Studies *3 semester hours*

- SELP 692 Systems Engineering Seminar *3 semester hours*
- SELP 699 Independent Studies *1 to 3 semester hours*

Note:

With the approval of the SELP Program Director, other SELP courses may be submitted for the courses listed above.

Electives are scheduled only if a sufficient number of students sign up. With the approval of the academic advisor, the above curriculum can be adjusted to meet the student's individual educational needs.

#### Schedule

The student completing successfully two courses each Fall and Spring semester, and taking summer courses, can earn the MS degree in two years.

Scheduling of the courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University. A full-time course load is considered to be two courses in each of the Fall and Spring semesters.

Systems Engineering M.S. with Technical Focus in Civil Engineering (MS SE+CE) or Environmental Science (MS SE+ES)

The program is intended for those students who wish to learn the skills of Systems Engineering and apply them in either the Civil Engineering or Environmental Science field. This combined SE+CE or SE+ES program offers four tracks highly desired by the industry:

- Water Resources
- Air Quality and Industrial Track
- Water Resource Management Track
- Environmental Management Track

#### Admission Requirements

All applicants must submit:

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>
- A transcript documenting the Bachelor's degree in any engineering discipline from an ABET accredited program with a GPA of 3.0 or better
- Three or more years of related work experience
- Resume
- Three letters of recommendation
- Essay discussing how the MS SE+CE or MS SE+ES fits into applicant's career development

#### Graduation Requirements

11 courses are required for graduation, as follows:

Required Systems Engineering courses:

- SELP 500 Systems Engineering *3 semester hours*
- SELP 510 Project Management *3 semester hours*
- SELP 520 Engineering Ethics and Communications *3 semester hours*
- SELP 530 Lean Thinking *3 semester hours*
- SELP 550 Systems Architecting *3 semester hours*

- SELP 640 Model Based Systems Engineering 3 *semester hours*
- SELP 695 Systems Engineering Integrative Project/Thesis 3 TO 6 *semester hours*

Plus one (1) Systems Engineering Elective to be chosen from the following courses:

- SELP 540 Systems Thinking 3 *semester hours*
- SELP 560 Integration of Hybrid Hardware and Software Systems 3 *semester hours*
- SELP 598 Special Studies 1 TO 3 *semester hours*
- SELP 610 Advanced Program Management 3 *semester hours*
- SELP 620 Quality 3 *semester hours*
- SELP 630 Advanced Lean Management of Engineering Programs 3 *semester hours*
- SELP 650 IT and Software Project Management for Systems Engineers 3 *semester hours*
- SELP 660 Cyber Security 3 *semester hours*
- SELP 668 Systems Engineering Modeling and Analysis 3 *semester hours*
- SELP 670 Spacecraft Design 3 *semester hours*
- SELP 673 New Product Design and Development 3 *semester hours*
- SELP 691 Systems Engineering Case Studies 3 *semester hours*
- SELP 692 Systems Engineering Seminar 3 *semester hours*
- SELP 699 Independent Studies 1 to 3 *semester hours*

Plus three (3) courses from the Civil Engineering and Environmental Science program, as follows:

#### Required Courses for MS SE+CE in Water Resources Track

- CIVL 654 Surface Water Hydrology 3 *semester hours*
- CIVL 514 Groundwater Hydrology 3 *semester hours*
- CIVL 635 Contaminant Transport Groundwater 3 *semester hours*

#### Note:

The students who did not have an undergraduate fluid mechanics course must also take CIVL 504 Applied Fluid Mechanics, and this course must be taken prior to taking the three courses listed above. Typically most mechanical engineers have already had this course but science majors have not. This provides preparation for the Water Resource Sequence. Offered in summer.

#### Required Courses for MS SE+ES in Air Quality and Industrial Track

- CIVL 612 Air Pollution Analysis 3 *semester hours*
- CIVL 614 Industrial Waste Management 3 *semester hours*
- CIVL 648 Hazardous Substance Management 3 *semester hours*

#### Required Courses for MS SE+CE in Water Resource Management Track

- ENVS 631 Principles of Water Quality Management 3 *semester hours*
- ENVS 650 Watershed Function and Protection 3 *semester hours*
- CIVL 634 Groundwater Management 3 *semester hours*

#### Required Courses for MS SE+ES in Environmental Management Track

- CIVL 612 Air Pollution Analysis 3 *semester hours*
- CIVL 650 Fundamentals of Environmental Health Risk Assessment 3 *semester hours*
- ENVS 615 Environmental Impact Reports 3 *semester hours*

#### Note:

The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree.

#### Schedule

The student completing successfully two courses each Fall and Spring semester, and taking summer courses will earn the MS degree in two years.

Scheduling of the courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University. A full-time course load is considered to be two courses in Fall and Spring semesters.

#### Systems Engineering M.S. with Technical Focus in Computer Science (MS SE+CS) or in Electrical Engineering (MS SE+EE)

- M.S. in Systems Engineering with Technical Focus in Computer Science (MS SE+CS)
- M.S. in Systems Engineering with Technical Focus in Electrical Engineering (MS SE+EE)

This combined SE+CS or SE+EE program is intended for those students who wish to learn the skills of Systems Engineering and apply them in either a Computer Science or Electrical Engineering field. Students will advance their knowledge of computer science and engineering and at the same time gain knowledge of Systems Engineering. Such dual-field experts are highly desired by industry.

#### Admission Requirements

All applicants must submit:

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>
- A transcript documenting the Bachelor's degree in computer science or electrical engineering, respectively, from an ABET accredited program with a GPA of 3.0 or better
- Three or more years of related work experience
- Resume
- Three letters of recommendation
- Essay discussing how the MS SE+CS or MS SE+EE fits into applicant's career development

#### Graduation Requirements

11 following courses are required for graduation:

Required Systems Engineering courses:

- SELP 500 Systems Engineering *3 semester hours*
- SELP 510 Project Management *3 semester hours*
- SELP 520 Engineering Ethics and Communications *3 semester hours*
- SELP 530 Lean Thinking *3 semester hours*
- SELP 550 Systems Architecting *3 semester hours*
- SELP 640 Model Based Systems Engineering *3 semester hours*

Required Courses for MS SE+CS

- SELP 650 IT and Software Project Management for Systems Engineers *3 semester hours*
- SELP 660 Cyber Security *3 semester hours*
- SELP 560 Integration of Hybrid Hardware and Software Systems *3 semester hours*
- A Computer Science elective at the 500 or 600 level (*3 semester hours*)
- CMSI 601 Graduate Seminar *3 semester hours*

Required Courses for MS SE+EE

- Four Electrical Engineering electives at the 500 or 600 level (*3 semester hours each*)
- ELEC 601 Graduate Seminar *3 semester hours*

Note:

The CMSI and ELEC courses must be approved by the Advisor. The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree.

Schedule

The student completing successfully two courses each Fall and Spring semester, and taking summer courses will earn the MS degree in two years.

Scheduling of the courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University. A full-time course load is considered to be two courses in the Fall and Spring semesters.

Systems Engineering M.S. with Technical Focus in Mechanical Engineering (MS SE+ME)

The MS SE+ME program offers a single, flexible track. The program is intended for those students who wish to learn the skills of systems engineering and apply them in various mechanical engineering fields.

Admission Requirements

All applicants must submit:

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>

- A transcript documenting the Bachelor's degree in any engineering discipline from an ABET accredited program with a GPA of 3.0 or better
- Three or more years of related work experience
- Resume
- Three letters of recommendation
- Essay discussing how the MS SE+ME fits into applicant's career development

Graduation Requirements

11 following courses are required:

Systems Engineering core courses:

- SELP 500 Systems Engineering *3 semester hours*
- SELP 510 Project Management *3 semester hours*
- SELP 520 Engineering Ethics and Communications *3 semester hours*
- SELP 530 Lean Thinking *3 semester hours*
- SELP 550 Systems Architecting *3 semester hours*
- SELP 640 Model Based Systems Engineering *3 semester hours*
- SELP 695 Systems Engineering Integrative Project/Thesis *3 TO 6 semester hours*

Plus one (1) Systems Engineering Elective to be chosen from the following courses:

- SELP 540 Systems Thinking *3 semester hours*
- SELP 560 Integration of Hybrid Hardware and Software Systems *3 semester hours*
- SELP 598 Special Studies *1 TO 3 semester hours*
- SELP 610 Advanced Program Management *3 semester hours*
- SELP 620 Quality *3 semester hours*
- SELP 630 Advanced Lean Management of Engineering Programs *3 semester hours*
- SELP 650 IT and Software Project Management for Systems Engineers *3 semester hours*
- SELP 660 Cyber Security *3 semester hours*
- SELP 668 Systems Engineering Modeling and Analysis *3 semester hours*
- SELP 670 Spacecraft Design *3 semester hours*
- SELP 673 New Product Design and Development *3 semester hours*
- SELP 691 Systems Engineering Case Studies *3 semester hours*
- SELP 692 Systems Engineering Seminar *3 semester hours*
- SELP 699 Independent Studies *1 to 3 semester hours*

Plus three (3) 500- or 600-level MECH courses approved by the Advisor.

Note:

The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a

grade of less than "C" in any 600-level course will not have the course count toward their degree.

#### Schedule

The student completing successfully two courses each Fall and Spring semester, and taking summer courses will earn the MS degree in two years.

Scheduling of the courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University. A full-time course load is considered to be two courses in the Fall and Spring semesters.

Systems Engineering M.S. with Technical Focus in Ecology and Sustainability (MS SE+E/S)

#### Note:

This M.S. program is in development. The exact date of opening is TBD. The program is intended for those students who wish to learn the skills of Systems Engineering and apply them in the Ecology and Sustainability field.

#### Admission Requirements

All applicants must submit:

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>
- A transcript documenting the Bachelor's degree in any engineering discipline from an ABET accredited program, or accredited science degree, with a GPA of 3.0 or better
- Three or more years of related work experience
- Resume
- Three letters of recommendation
- Essay discussing how the MS SE+E/S fits into applicant's career development

#### Graduation Requirements

11 following courses are required:

Systems Engineering core courses:

- SELP 500 Systems Engineering *3 semester hours*
- SELP 510 Project Management *3 semester hours*
- SELP 520 Engineering Ethics and Communications *3 semester hours*
- SELP 530 Lean Thinking *3 semester hours*
- SELP 550 Systems Architecting *3 semester hours*
- SELP 640 Model Based Systems Engineering *3 semester hours*
- SELP 695 Systems Engineering Integrative Project/Thesis *3 TO 6 semester hours*

Plus one (1) Systems Engineering Elective to be chosen from the following courses:

- SELP 540 Systems Thinking *3 semester hours*
- SELP 560 Integration of Hybrid Hardware and Software Systems *3 semester hours*
- SELP 598 Special Studies *1 TO 3 semester hours*

- SELP 610 Advanced Program Management *3 semester hours*
- SELP 620 Quality *3 semester hours*
- SELP 630 Advanced Lean Management of Engineering Programs *3 semester hours*
- SELP 650 IT and Software Project Management for Systems Engineers *3 semester hours*
- SELP 660 Cyber Security *3 semester hours*
- SELP 668 Systems Engineering Modeling and Analysis *3 semester hours*
- SELP 670 Spacecraft Design *3 semester hours*
- SELP 673 New Product Design and Development *3 semester hours*
- SELP 691 Systems Engineering Case Studies *3 semester hours*
- SELP 692 Systems Engineering Seminar *3 semester hours*
- SELP 699 Independent Studies *1 to 3 semester hours*

Plus three (3) 500- or 600-level Ecology courses approved by the Advisor.

#### Note:

The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree.

#### Schedule

The student completing successfully two courses each Fall and Spring semester, and taking summer courses will earn the M.S. degree in two years.

Scheduling of the courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University. A full-time course load is considered to be two courses in the Fall and Spring semesters.

# School of Education

## Administration

**Dean:** Shane P. Martin

**Associate Dean, Faculty:** Mary McCullough

**Associate Dean, Strategic Partnerships and Educational**

**Effectiveness:** Manny Aceves

**Associate Dean, Enrollment and Business Services:** Timothy Chang

**Assistant Dean, Academic Services:** Doris Madrigal

## Contact Information

**Office Location:** University Hall 2100

**Telephone:** 310.258.8768

**Fax:** 310.258.5599

**Website:** <http://soe.lmu.edu>

## Introduction

The School of Education offers graduate programs in the following areas of study: School Administration, Bilingual Education, Catholic School Administration, Reading Instruction, Higher Education Administration, Urban Education, Educational Studies, School Psychology, Elementary and Secondary Education, Counseling, and Special Education. The School of Education also offers a doctorate in Leadership for Social Justice.

The high quality of the education program is confirmed through its accreditation by the California Commission on Teacher Credentialing, the National Association of School Psychologists, the National Council for Accreditation of Teacher Education, and Western Association of Schools and Colleges.

## Mission of the School of Education

In accordance with the Mission of Loyola Marymount University, the faculty, staff, and students of the School of Education understand and declare our purpose to be the encouragement of life-long learning and academic excellence, the education of the whole person, and the promotion of service and justice for all. We commit ourselves to serving public and private education by fostering excellence inspired by the Jesuit and Marymount traditions of Catholic education.

## Goals of the School of Education

The faculty, staff, and students of the School of Education strive to work collaboratively in a student-centered environment to be professionals who act to:

### *Value and respect all individuals*

We believe in the worth of each individual. We affirm the inherent dignity and value of each person as a child of God. Therefore, we believe that all individuals have the potential to be successful learners with unique characteristics and experiences that bring positive value and meaning to the learning experience.

### *Promote social justice*

We recognize the existence of social inequity, marginalization, and the different faces of oppression, and we commit ourselves to work actively for the establishment of a just and equitable society. While it is important to understand critically the structures, practices, and discourses that cause and perpetuate injustice, we also aim to nurture transformative structures, practices, and discourses that actively promote greater equity. This commitment challenges us to think with a global perspective, to embrace the notion of a preferential option for the poor, and to act with a conviction of equity.

### *Promote cultural responsiveness*

We recognize diversity as a strength, and we commit ourselves personally and professionally to serve culturally and linguistically diverse populations. These populations include those who represent cultural diversity broadly defined, including race, ethnicity, socio-

economic status, gender, religion, sexual orientation, ability, and age. Among other valuable theories and approaches, we utilize sociocultural and constructivist perspectives in teaching and learning. We value these and other perspectives that promote active participation in learning as well as meaningful and authentic instruction and assessment and emphasize students' cultural and linguistic background experiences.

### *Integrate theory and practice*

We strive to unite theory and practice in a reciprocal relationship that mutually informs each other. We are a community of reflective practitioners, guided by critical inquiry and social responsibility. We actively engage in educational research, including faculty/ student collaboration. We affirm the use of technology in education as authentic, meaningful, and accessible to all learners.

### *Develop moral, intellectual, responsible, and caring leaders*

We are committed to the preparation of educators who will be leaders in the field and who reflect high standards of ethics and values. We seek to be, and to encourage others to be, women and men who have the intellectual skills to critically evaluate educational issues, have the moral conviction to respond as agents of change, and exhibit an ethic of care in the service of others.

### *Collaborate and share leadership across communities*

We believe in the value of working collaboratively with the districts, schools, parents, and students of the communities we serve to successfully educate all learners. We recognize, support, and promote the gifts and talents of community members and encourage their participation in decision-making processes.

## Candidate Outcomes and Proficiencies

The following four broad learning goals are intended to express the expectations for how all candidates will achieve the mission of the School of Education. Under each goal are corresponding candidate learning outcomes that express specific ways in which candidates should be able to demonstrate fulfillment of each goal.

*Unit Goal 1: Candidates will respect and value all individuals and communities.*

### *Candidate Learning Outcomes*

**Diversity:** Candidates will know, value, and integrate the diversity of students and their communities

**Culture of high expectations:** Candidates will promote a culture of high expectations for all

**Inclusion:** Candidates will be able to use inclusive strategies and practices

**Community:** Candidates will be able to gather and use multiple resources to better understand and serve their community

*Unit Goal 2: Candidates will integrate theory and practice.*

### *Candidate Learning Outcomes*

**Knowledge:** Candidates will be able to demonstrate knowledge of historical, philosophical, socio-political, economic, and legal influences on education

**Critical Lens:** Candidates will be able to use a critical lens to analyze and share content knowledge

**Reflection:** Candidates will be able to reflect on personal experience of self and others to inform practice

**Disposition:** Candidates will understand and model exemplary professional practices

**Research:** Candidates will be able to use multiple research methodologies

**Pedagogical Technology:** Candidates will be able to integrate content and pedagogical knowledge, academic skills, and technology in professional practice

*Unit Goal 3: Candidates will advocate for access to a socially just education.*

*Candidate Learning Outcomes*

**Communication and Collaboration:** Candidates will be able to effectively communicate and collaborate

**Academic Excellence:** Candidates will promote academic excellence in the field

**Equity:** Candidates will be able to use pedagogical skills to implement principles of equity and empowerment

**Social Justice:** Candidates will be able to understand and respond to issues related to the preferential option for the poor and marginalized groups

**Technology:** Candidates will be able to advocate for and critically use technology

**Lifelong Learning:** Candidates will demonstrate a commitment to ongoing professional development and involvement in professional organizations

*Unit Goal 4: Candidates will lead in order to facilitate transformation.*

*Candidate Learning Outcomes*

**Ethics:** Candidates will be able to practice effective, ethical, and moral leadership

**Shared Vision:** Candidates will be able to share and collaboratively construct an inclusive vision within professional learning communities

**Performance Evaluation:** Candidates will be able to seek, reflect upon, and respond to constructive feedback

**Systemic Change:** Candidates will understand and use the elements, processes, and technological advances that lead to systemic change

**Assessment:** Candidates will understand and promote equitable and effective assessment and evaluation systems

## **School of Education Academic Regulations**

### **Graduate Admissions Policies**

Applicants for graduate programs are encouraged to contact SOE Admissions for advice and assistance in meeting the admission requirements. In order to continue in any SOE program, admitted candidates must remain in good academic standing and successfully meet requirements.

Non-Degree Status: **Applicants seeking admission to the School of Education under non-degree status are not guaranteed admission.**

### **Exceptions Admissions Process**

Applicants who do not meet minimum admission requirements based on GPA (below 3.0 and above 2.7) or TOEFL/IELTS test scores will be asked to submit additional documentation for admission consideration through the exceptions process. Candidates accepted through the exceptions process will be admitted with additional program requirements.

### **Graduate Transfer Credit**

School of Education graduate students must submit transfer credit requests at the time of admission to their advisor/program director in order to receive credit toward a degree for graduate-level work taken at other regionally accredited colleges and universities. The request must be in writing and accompanied with a course syllabus and Bulletin description for each course they wish to transfer. All transferred course credit requested must have received a grade of at least 3.0 (B). Courses used to satisfy a degree requirement at another college or university cannot be used for transfer credit with the exception of core or prerequisite requirements. Students may request a transfer for up to 6 semester (9 quarter) hours of graduate units. Transfer coursework may not be more than five years old. Transfer credit requests received after admission will not be considered. The Office of the Registrar grants final approval of transfer credit.

### **Adding a Second LMU Master of Arts Degree**

A student who has earned a Master of Arts degree from the School of Education may apply up to three applicable core courses from that degree toward a second Master of Arts degree with the approval of the program director. The student must successfully complete all other requirements for the second degree.

### **Advising**

#### **Orientation**

New students are strongly encouraged to attend Student Orientation.

#### **Academic Advising**

Upon admission to the School of Education, students are assigned an academic advisor. The advisor will assist students with course sequencing, enrollment, and monitor their progress toward program completion. Students are advised to schedule a meeting with their academic advisor as soon as possible after admission and consult with their academic advisor regularly on program requirements and registration.

#### **Professional Advising**

Faculty are available to meet with students to discuss professional, career, academic, and educational issues. Students are encouraged to see their program director for professional advisement.

#### **Technology**

The School of Education emphasizes and supports the use of technology throughout its programs. To aid in the integration of technology, the School of Education maintains a computer lab as well as two computer eClassrooms in University Hall. The lab is available for use by School of Education students and faculty only. Hours are posted at the lab and at the School of Education website (<http://soe.lmu.edu>). The eClassrooms are intended for whole class instruction and are available for reservation by faculty. There are several general use student computer labs in various locations on campus.

#### **Basic Technology Skills**

All SOE applicants must verify that they are capable of basic technology skills necessary for success in the School of Education.

#### **Email Accounts**

The School of Education will utilize students' LMU email accounts to contact students. Students are responsible for all University communication sent to their LMU email accounts. Students must check this account regularly or forward it to a preferred account. Students should contact the Student Help Desk for information on email and network access accounts.

#### **LiveText**

LiveText is web-based software used by students to complete fieldwork and course assignments. All undergraduate, Masters, Education Specialist, credential, and certificate students enrolled in the School of Education are required to purchase and utilize LiveText. An ePortfolio fee is assessed to each student at the beginning of their first semester of enrollment. The fee covers a five-year subscription for LiveText.

#### **Grading**

##### **Credit/No Credit (CR/NC)**

A number of courses in the School of Education are offered on a Credit/No Credit basis. Credit indicates a graduate student has earned at least a "B" or an undergraduate student has earned at least a "C" in the course. Certain State-mandated credential courses must be taken for a grade. Instructors should be consulted for clarification.

##### **Incomplete (I)**

A grade of Incomplete "I" may be requested by the student to the instructor in extraordinary circumstances and when a candidate has completed a minimum of 80% of the course work. It is the student's responsibility to ensure that all necessary forms are completed and submitted appropriately for any Incomplete grade request. The instructor may not approve the request. Graduate students with more than two Incompletes will be blocked from registration.

### **In Progress (IP)**

In Progress grades are given in fieldwork classes when the academic calendars of the PK-12 school and the University do not align. The In Progress grade indicates that the fieldwork is in progress at the time grades were submitted. An IP grade will be replaced by a grade of CR or NC.

### **Support for Candidates' Development of Academic and Professional Standards**

The School of Education is committed to the development of qualified educators to work in public, private, and Catholic schools. This commitment is made to the candidates, to the students with whom they will work, and to the general public we serve. The faculty strives to enhance each candidate's ability to work effectively with students and families, and to be highly sought by schools and school districts. During the candidate's course of study in the School of Education, the faculty will provide feedback and support to candidates in both their academic and professional development.

### **Academic Development**

When a candidate is not able to meet the minimum academic expectations in a course, the instructor will conduct one-on-one meeting(s) with the candidate to develop a remediation plan. This plan may include, but is not limited to: referral to the program director; tutorials provided by the faculty; support from peers; or a referral to the University's Academic Resource Center. If the candidate is not able to attain the minimum course grade needed for graduation, he/she may retake the course to attain a higher grade with approval from the program director.

All candidates are required to maintain a minimum semester and cumulative GPA of 3.0 during their course of study. Candidates will be placed on academic probation if they fail to meet the minimum GPA. The candidate will be required to meet with the program director, who will monitor the candidate's progress. Students on academic probation must receive a "B" or better the following semester or be subject to disqualification from the University.

### **Professional (Non-Academic) Development**

The School of Education, the California Commission on Teacher Credentialing and National Council for the Accreditation of Teacher Education have determined that non-academic qualities are necessary for educators to be successful. Non-academic factors include behaviors, dispositions, and attitudes that educators must positively develop and demonstrate. If a candidate fails to meet appropriate professional expectations in class or in field placements, the School of Education will assist with the student's professional development.

Assistance with professional development will take the following steps:

- The instructor will consult with the student and complete a Concerns Form.
- The instructor and program director will work with the student to develop a remediation plan. Assistance may include: specific tutorials provided by any member of the faculty; a referral to LMU Student Psychological Services; or other referrals.
- The instructor, program director, and student will meet with the assistant dean if necessary.
- The program director will monitor the student's progress in accordance with the developed remediation plan.

Students who cannot uphold academic or non-academic standards may be disqualified from their program. Students who are disqualified from one program in the School of Education are not eligible for any other program in the School.

### **Statement of Professional Dispositions**

The National Council for Accreditation of Teacher Education (NCATE) requires the LMU School of Education to assess the professional dispositions of education credential and degree candidates. According to NCATE, professional dispositions are "The values, commitments, and professional ethics that influence behavior toward students, families, colleagues, and communities and affect student learning, motivation, and development as the educator's own professional growth. Dispositions are guided by beliefs and attitudes related to values such as caring, fairness, honesty, responsibility, and social justice." Throughout a candidate's program, the faculty will assess the School of Education Unit and Program Professional Dispositions, and failure to meet professional expectations may result in a remediation process for the candidate. In extreme cases, failure to meet professional expectations could warrant dismissal from an education program. The School of Education holds four Unit Dispositions that shape the professional expectations for all candidates: "We strive to be, and to educate professionals to be, educators who: **Respect** and value all individuals and communities; **Educate** by integrating theory and practice; **Advocate** for access to a socially just education; and **Lead** in order to facilitate transformation."

### **Comprehensive Assessment**

All students completing a Master of Arts degree must successfully pass a Comprehensive Examination, a Culminating Experience, or successfully complete a thesis in their subject area.

### **Comprehensive Examination**

Students are required to enroll in and receive credit for 6995, Comprehensive Examination, to complete the Master of Arts degree. There is a fee charged for this zero-semester-hour course.

The comprehensive examination is not just a quantitative or cumulative extension of the examination content of all required courses. Rather, it examines a candidate's ability to apply acquired knowledge and experiences to a set of practical problems within the candidate's field of specialization. The comprehensive examination can be written and/or oral. The various Master of Arts degrees have specific requirements as to what type of comprehensive examination is required. Students should consult their program director as to the type of comprehensive examination required.

### **Thesis**

Select programs within the School of Education offer a thesis option in place of the comprehensive examination. The course requirement section of each program will indicate whether this option is available. Students in those programs who are interested in this option must meet the thesis guidelines as specified by their program director. In addition to meeting the thesis criteria and guidelines, students in the thesis option must complete EDLA 6950 Advanced Research Methods; EDLA 6951 Advanced Research Design; and EDCE 6955 Master's Thesis I. Continuing course enrollment in EDCE 6956 Master's Thesis II and EDCE 6957 Master's Thesis III may also be required.

### **Graduation**

A commencement ceremony is held at the end of the Spring term for those candidates who are eligible and wish to participate. Please consult the Registrar's website for more detailed information.

### **Application for Degree**

Degrees are awarded at the end of the Spring, Fall, and Summer terms. Candidates must submit a formal application for degree to the Office of the Registrar. The deadlines to apply for degree are listed in the University calendar. The degree will not be posted to the

candidate's transcript if an application for degree is not submitted. See the Registrar's website for more detailed information.

### Requirements for Graduation

All requirements for the degree must be met prior to the degree date.

The date of the degree posted on the student's transcript and diploma is the one by which all graduation requirements, including the application for degree, have been completed.

A 3.0 cumulative GPA must be met prior to the degree date.

All incomplete work required for the degree must be completed prior to the degree date.

Failure to comply with these regulations will preclude the granting of a degree. Those who have applied for a degree and do not complete the requirements before the projected date of completion for which they applied are required to reapply in a later semester.

### School of Education Academic Awards

The School of Education will name an Outstanding Student for each graduate and undergraduate program, with the exception of the Doctoral program. The recipient must be a student graduating in the current academic year. The candidates for these awards are nominated and voted upon by faculty in recognition of the graduate's academic, personal, and professional qualities that best exemplify the mission and goals of the School of Education.

### Credential Application Process

The California Commission on Teacher Credentialing issues credentials upon the recommendation of the School of Education.

A credential application must be submitted to the School of Education Credential Office at the completion of the candidate's credential program requirements. See the School of Education credential section of the website at <http://soe.lmu.edu> for detailed information on the credential application process.

### Student Records and Materials

All materials submitted to the School of Education are property of the School of Education and will not be returned to the student. Students are advised to make copies of all materials submitted for their records.

### Academic Programs

All programs offered in the School of Education are housed in one of the four academic departments listed below.

### Educational Leadership

#### Programs

##### Certificate

Charter/Small School Leadership  
Catholic School Leadership

##### Credential

The CA Preliminary Tier I Administrative Services Credential

##### Doctorate

Educational Leadership for Social Justice, Ed.D.

##### Masters

Catholic School Administration, M.A.  
Higher Education Administration, M.A.  
School Administration, M.A.

### Educational Support Services

#### Programs

##### Education Specialist

Educational Psychology, M.A./ School Psychology, Ed.S. and PPS

##### Masters

Counseling, M.A.

Guidance and Counseling, M.A.

School Counseling, M.A.

### Elementary and Secondary Education

#### Programs

##### Certificate

Bilingual Certificate Program  
Cross-Cultural, Language and Academic Development (CLAD)  
California Teachers of English Learner (CTEL) certificate for eligible candidates  
Reading Certificate

##### Credential

Bilingual Authorization  
Elementary Education, M.A. with a Preliminary 2042 Multiple Subjects Credential  
Professional 2042 Clear Teaching Credential  
Reading and Language Arts Specialist Credential  
Secondary Education, M.A. with a Preliminary 2042 Single Subject Credential  
Special Education, M.A. with a Preliminary Education Specialist Credential: Mild/Moderate Disabilities

##### Masters

Bilingual Elementary Education, M.A. with a Preliminary 2042 Multiple Subjects Credential  
Catholic Inclusion, M.A. (not admitting at this time)  
Early Childhood Education, M.A. (not admitting at this time)  
Educational Studies, M.A.  
Elementary Education, M.A.  
Reading Instruction, M.A.  
Secondary Education, M.A.  
Special Education, M.A.

##### Minor

Elementary Education Minor  
Secondary Education Minor  
Special Education Minor

### Specialized Programs in Urban Education

#### Programs

##### Masters/J.D. Dual Degree

Urban Education, M.A. (with a Teaching Credential) and Doctor of Jurisprudence

##### Masters

Urban Education, M.A.

##### Other Programs

CAST—Los Angeles Catholic Archdiocesan School Teachers Intern/Practitioner Program  
MAST Transformational Leader (TL) Certificate  
PLACE Corps—Partners in Los Angeles Catholic Education  
Teach for America Partnership

### School of Education Centers

In addition to the academic departments that house the programs identified above, the School of Education has developed several centers to further our commitment to, and work in, teaching, research, and community advocacy/support: Center for Catholic Education, Center for Equity for English Learners, Center for Math and Science Teaching, and Center for Undergraduate Teacher Preparation.

### Center for Catholic Education

#### Contact Information

**Executive Director:** Robert Walsh, S.J.

**Phone:** 310.338.7303

**Location:** University Hall 1760

Catholic schools are an integral part of the educational systems of urban centers across the United States, serving as pillars for many communities, particularly in economically disadvantaged areas. In Los Angeles, more than 80,000 children and their families rely on these schools to provide the moral, spiritual and intellectual underpinnings that have enabled so many Catholic school graduates to become productive, socially conscious adults.

But these schools are facing significant challenges. Enrollment in Catholic schools has declined 12 percent nationally in the last decade. Many schools are struggling financially. Catholic school systems are in need of professional development for teachers and administrators, along with research into the most effective approaches to running the schools and educating increasingly diverse student bodies.

With the Center for Catholic Education, the LMU School of Education will be better positioned to assist the Archdiocese of Los Angeles, as well as Catholic school systems across the country, in ensuring that the rich tradition of Catholic education endures and grows. The CCE brings together a broad range of successful programs at SOE to advance PK-12 Catholic education by training school leaders and teachers, increasing awareness of Catholic schools' impact on communities, and developing innovative ways to support Catholic schools. The Center for Catholic Education will serve as an anchor for Catholic schools in Los Angeles and nationally so that the rich tradition of Catholic education continues to shape morally and socially conscious men and women.

The Center for Catholic Education is committed to leadership development, teacher preparation, and research and outreach.

### Center for Equity for English Learners

#### Contact Information

**Executive Director:** Magaly Lavadenz

**Associate Director:** Elvira G. Armas

**Telephone:** 310.338.2924

**Center Location:** University Hall 2600

The Center for Equity for English Learners (CEEL) was established in 2006, with support from Bank of America, for the purpose of improving educational outcomes of English Learners (ELs). The Center's research and professional development agendas will inform leadership and instructional practices for the state's 1.5 million English Learners and the nation's 3.5 million English Learners. CEEL's mission is to pursue equity and excellence in the education of English Learners by transforming schools and educational systems through CEEL's research and professional development agendas. An integral component of this work is the development of advocacy-oriented leadership. Educators who utilize students' cultural and language resources while developing students' academic competencies have the potential to significantly transform schools and educational systems.

### Center for Math and Science Teaching

**Telephone:** 310.338.3783

**Center Location:** University Hall 1300

The Center for Math and Science Teaching (CMAST) is dedicated to strengthening science, technology, engineering, mathematics (STEM) and STEM-related fields by transforming the teaching and learning of mathematics and science.

The Center provides a national model for middle schools, high schools, and universities to transform math and science education using measurable, data-driven results connected to student engagement and achievement. CMAST is currently implementing the Los Angeles Math and Science Residency (LAMS), a teacher residency program focused on training math and science teachers in

urban schools. CMAST also partners with organizations and districts across the spectrum of public, charter, and Catholic schools.

CMAST's goals are:

Creating a professional learning community comprised of faculty, teachers, administrators, parents, students, and community members dedicated to increasing student engagement and achievement in mathematics and science.

Finding and sharing solutions that increase the number of students who pursue science, technology, engineering, mathematics, and science and mathematics teaching as careers.

Building teacher retention by providing opportunities for shared leadership between transformational teacher leaders, administrators, and parents.

Designing, strengthening, and sharing best practices in teaching and learning to improve teacher quality and college-readiness.

### Center for Undergraduate Teacher Preparation

#### Contact Information

**Senior Director:** Annette Pijuan Hernandez

**Assistant Director:** Michael Cersosimo

**Telephone:** 310.258.8806

**Center Location:** University Hall 3346

#### Introduction

The Center for Undergraduate Teacher Preparation is a vibrant community that draws together all who are interested in education in ways that encourage them to be engaged learners, critical thinkers, and socially responsible citizens. The Center provides matriculation-to-graduation advising and other academic and professional support to undergraduate students preparing for careers in K-12 teaching. The Center also serves as a resource for faculty and staff who provide instruction and other services in LMU's undergraduate teacher preparation programs. Undergraduate students completing a program supported by the Center will achieve both a major in their chosen discipline, as well as fulfill the requirements set forth by the California Commission on Teacher Credentialing for a preliminary teaching credential within their time at LMU.

#### Teacher Preparation Programs

The Center supports a number of undergraduate programs that integrate the major with teacher preparation requirements. These teacher preparation programs can lead to attaining a preliminary multiple subjects (elementary), single subject (secondary), or special education credential. A bilingual authorization is also attainable with the multiple or single subject credentials. These programs are directed by faculty and located in several departments throughout the university.\*

Bellarmino College of Liberal Arts  
Liberal Studies (Elementary Education)  
English  
Social Science (History and Political Science)  
Spanish (Pending Approval)

College of Communication and Fine Arts  
Art

College of Science and Engineering  
Biology  
Chemistry  
Math

School of Education  
Elementary Education (Preliminary Multiple Subjects Credential, K-5)  
Secondary Education (Preliminary Single Subjects Credential, 6-12)

Bilingual Authorization (Added to the Preliminary Multiple or Single Subject Credentials)

Special Education (Education Specialist Credential: Mild/Moderate Disabilities, K-12)

\* Although the programs above are integrated in design, an undergraduate student may major in other disciplines and still complete the requirements for a teaching credential. The Center works closely with these students and their major advisor to design an academic course of study that provides the opportunity to complete both the major and teacher preparation requirements.

## Educational Leadership

### Faculty

Chairperson: Elizabeth Reilly

Professors: Antonia Darder (Leavey Presidential Endowed Chair), Magaly Lavadenz, Shane P. Martin (Dean and Professor), Martha McCarthy (Presidential Professor), Mary K. McCullough (Associate Dean and Professor), Elizabeth Reilly, David Sapp

Associate Professors: Franca Dell'Olio, Karen K. Huchting, Margaret Kasimatis, Elizabeth Stoddard

Clinical Professor: Jill Bickett

Clinical Associate Professor: Manuel N. Ponce Jr.

Affiliated Faculty: Elvira Armas, Gisela O'Brien

### Contact Information

**Location:** University Hall, Suite 2300

**Telephone:** 310.258.8748

**Fax:** 310.338.1647

**Program Coordinator:** Megan Weber

**Email:** [megan.weber@imu.edu](mailto:megan.weber@imu.edu)

### Introduction

Our programs are designed to provide new and experienced educators and administrators with the tools, theories, and experiences needed to succeed in transforming educational settings into inclusive and equitable learning environments. Combining theory with practice, our program curriculums provide candidates with a better understanding of the complex issues impacting education and student achievement, and prepares graduates as change agents.

## Catholic School Administration Certificate

### Contact Information

**Program Director:** TBA

**Academic Advisor:** Danielle West

### Introduction/Overview

The Certificate in Catholic School Administration is a 10-semester-hour graduate program designed to provide a full year of content in mission-focused, organizational, and instructional leadership. The CCSA supports those educators interested in moving into Catholic school administration or who have been a school administrator but need a concentrated education in the distinctive mission and operations of Catholic schools. The overall objective of this certificate program is to educate and train prospective and novice Catholic school leaders in effective Catholic school administration and leadership. Candidates receive a rigorous curriculum that includes Catholic school history, mission, law, ethics, budget, finance, operations, marketing, fundraising, admissions, personnel management, curriculum, and instruction. The four pillars of adult Catholic spirituality, technology, inclusion, and the development of a professional learning community give the foundation for each of the four courses of the program. Certificate candidates may choose to

apply the 10 semester hours toward an MA in Catholic School Administration.

## Program Admissions Requirements

Graduate Application

Statement of Intent

2 Letters of Recommendation

One must be from applicant's school Principal

Verification of Employment Form

Technology Requirement Form

Professional Resume

2 sealed, official transcripts for all colleges and/or universities attended

Catholic School Program Contract/Agreement

National Online Cohort applicants must apply through the Catholic Extension Society.

Local Cohort applicants must provide a signed Title II Compliance form.

A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:

Transcript evaluations

TOEFL or IELTS minimum score

## Certificate Requirements

### Employment

Local Cohort candidates must be employed by one of the following dioceses or archdiocese:

Archdiocese of Los Angeles

Diocese of Orange

Diocese of San Bernardino

National Online candidates must be employed by:

A Catholic school in a mission diocese in the United States.

### Additional Requirements

Maintain a minimum overall GPA of 3.0 (B or better in all courses)

### Required Courses

EDLA 6420 An Invitation to Lead *1 semester hour*

EDLA 6430 Mission-Focused Leadership in Catholic Education *3 semester hours*

EDLA 6431 Organizational Leadership in Catholic Education *3 semester hours*

EDLA 6432 Instructional Leadership in Catholic Education *3 semester hours*

Total: 10 semester hours

## Charter School Leadership Certificate

### Contact Information

**Program Director:** Manuel Ponce

**Academic Advisor:** Danielle West

### Introduction/Overview

The Certificate in Charter School Leadership consists of 11 semester hours (3 classes) in one academic year. Designed for

those who already have a general background in educational leadership, are already leading in a charter school, or an innovator who wants to explore creating their own school, this Certificate provides candidates with cutting-edge research, as well as with the practical skills they need to succeed in innovative charter school and small school settings.

## Program Admissions Requirements

- Graduate Application
- 2 Letters of Recommendation
  - One letter must be from applicant's school principal
- 2 sealed official transcripts
- Resume
- Charter Schools Program Agreement
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss implications of these for leadership and how they intersect with your personal leadership in your current school setting, as well as in future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Certificate Requirements

### Additional Requirements

- Charter School Petition Culminating Project

### Required Coursework

- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *4 semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *4 semester hours*
- EDLA 6429 Specializing in Charter Schools *3 semester hours*

Total: 11 semester hours

## Charter/Small School Leadership Certificate

Students may apply for this certificate after completing the following:

### Admission Requirements

- The Graduate Division application, along with two official copies of transcripts from all colleges/universities attended
- Writing prompt (see website for content) and résumé
- Two completed reference forms (available from the School of Education, Admissions Coordinator or website)
- Completed Technology Requirements form
- Interview with the Program Director
- Cumulative undergraduate GPA of 3.0; or a 3.05 GPA in the last 60 semester hours of undergraduate coursework taken; or a 3.0 GPA in at least 9 semester hours of graduate level coursework is required
- A minimum of one year verified experience. For CA Preliminary (Tier I) Administrative Services Credential candidates, a

completed "Verification of Experience" form, verifying five years of full-time experience under a valid base credential in an authorized area working in the schools, is required (please refer to admission requirements for the Administrative Services Credential program).

## Admission Process

When a candidate file is complete, all admission materials will be reviewed by the Institute of School Leadership and Administration (ISLA) panel for either recommendation for admission, or referral to the Department of Educational Leadership, or Exceptions Committee for admission consideration/recommendation. An appointment with the Academic Program Director is required prior to scheduling courses.

## Successful completion of:

- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *4 semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *4 semester hours*
- EDLA 6429 Specializing in Charter Schools *3 semester hours*

## Online Charter School Leadership Certificate

### Contact Information

**Program Director:** Manuel Ponce  
**Academic Advisor:** Danielle West

### Introduction/Overview

The fully online Certificate in Charter School Leadership Program is designed to equip candidates with the skills, knowledge, and dispositions needed to serve as educational leaders in California. The Program is rooted in the rationale that twenty-first century leaders require knowledge and skills in the following areas: systemic reform; reflective practice; ethical, moral, and collaborative decision-making; diversity and inclusion; critical inquiry; advocacy for technology and its accessibility to all stakeholders; transformative leadership; and assessment/research.

## Program Admissions Requirements

- Graduate Application
- 2 Letters of Recommendation:
  - One from applicant's school principal
- 2 sealed, official transcripts from all colleges/universities attended
- Resume
- Charter Schools Program Agreement
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss implications of these for leadership and how they intersect with your personal leadership in your current school setting, as well as in future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations

## Certificate Requirements

### Additional Requirements

Petition Writing Lab  
Charter School Petition Culminating Project

### Required Coursework

EDLA 6101 Foundations of Charter School Leadership: Vision of Learning for Diverse Students, Families, Staff, and Community *3 semester hours*  
EDLA 6102 Charter School Instructional Leadership: Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community *3 semester hours*  
EDLA 6103 Specialized Charter School Leadership Preparation with Petition Writing Lab *4 semester hours*

Total: 10 semester hours

### CA Preliminary Tier I Administrative Services Credential Program

### Contact Information

**Program Director:** Manuel Ponce, Jr.  
**Academic Advisor:** Danielle West

### Introduction/Overview

This program is for any educators who are interested in furthering their understanding of educational leadership to acquire the skills and dispositions needed to lead schools effectively. LMU's Preliminary Administrative Services Credential (Tier I) program is specifically designed to prepare candidates for administration positions in public, private, charter, and Catholic schools. The Tier I credential is a requirement in many districts as well as for many higher-level district positions.

### Program Admissions Requirements

Graduate Application  
2 Letters of recommendation  
    One from applicant's school principal  
Verification of prior teaching experience  
Verification of employment  
Resume  
2 sealed official transcripts from each college/university attended  
CBEST passing scores (or equivalent)  
Copy of valid teaching and/or service credential  
Bachelor's degree  
Statement of Intent addressing:  
    Applicant's understanding of diversity, social justice, and student achievement. Discuss its implications for leadership and how it intersects with your personal leadership in your current school setting, as well as future administrative leadership roles.  
A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units  
For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:  
    Transcript evaluations

## Program Requirements

### Credential Requirements

A minimum of five years of experience working under a valid CA base Credential, in addition to satisfactorily completing all program requirements. For this reason, it is recommended that eligible applicants have at least three years of experience at the time of applying.

Individuals must satisfy all of the following requirements in addition to their program of study in order to be eligible for credential recommendation:

- Possess a valid prerequisite credential.
- Complete a Commission-approved program of specialized and professional preparation in administrative services resulting in the formal recommendation of the program sponsor (LMU's CA Preliminary [Tier I] Administrative Services Credential Program)
- Satisfy the California basic skills requirement.
- Complete five years of full-time experience.
- Verify employment in an administrative position.

### Required Coursework

EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *4 semester hours*  
EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity *3 semester hours*  
EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *4 semester hours*  
EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *4 semester hours*  
EDLA 6426 Instructional Technology for School Leaders *2 semester hours*  
EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*  
EDLA 6428 Business of Education *3 semester hours*  
EDLA 6995 Comprehensive Examination *0 semester hours*

Total: 23 semester hours

### Educational Leadership for Social Justice, Ed.D.

### Contact Information

**Program Director:** Jill Bickett  
**Associate Director:** Karen Huchting

### Introduction/Overview

The Ed.D. in Educational Leadership for Social Justice is an innovative three-year cohort program whose vision is a more socially just future for schools and other educational and community settings. The Ed.D. program provides experienced educators and community leaders with the tools, theories, and experiences needed to succeed in transforming educational settings into inclusive and equitable learning environments. Combining theory with practice, the curriculum provides candidates with a better understanding of the complex issues impacting education and student achievement, and prepares graduates as change agents.

### Program Admissions Requirements

Graduate Application  
GRE test scores  
A two- to three-page Statement of Purpose following the format described in application guide  
Earned master's degree from an accredited institution verified by official transcripts (2 copies)  
GPA of 3.5 (4.0 scale) in master's coursework  
20 graduate-level semester units in a related field, which includes verified content in research methods and diversity  
Current résumé  
Three recommendation forms (at least one from a current employer and one from a professor in a completed master's level program)  
Minimum of 2 years full-time experience in public, Catholic, or private schools or other education setting  
Select applicants will be invited to participate in a group interview with the Doctoral Admissions Committee.  
Applicants who have taken doctoral level coursework at another accredited university may request a transcript audit and admission to an individualized course of study leading to the Ed.D. in Educational Leadership for Social Justice. Candidates must meet the admission requirements. If accepted, candidates must complete the required tutorials, research seminars, and culminating experience.

## Degree Requirements

Students must pass all required coursework (46 units; 20 units are transferred from Masters coursework for a total of 66 units), pass all program benchmarks, complete pre-publication review, and publish on ProQuest.

## Additional Requirements

Benchmark #1: Preliminary Review  
Benchmark #2: Dissertation Proposal Defense, Institutional Review Board Approval (as needed), and Advancement to Candidacy  
Benchmark #3: Dissertation Defense

## Required Coursework

EDLA 7001 Leadership for Social Justice in Education 3 *semester hours*  
EDLA 7002 Moral and Ethical Leadership 3 *semester hours*  
EDLA 7004 Organizational Theory and Change 3 *semester hours*  
EDLA 7005 Educational Change and Innovation 3 *semester hours*  
EDLA 7020 Situated Inquiry in Education 3 *semester hours*  
EDLA 7021 Quantitative Research in Education 3 *semester hours*  
EDLA 7022 Qualitative Research in Education 3 *semester hours*  
EDLA 7023 Doctoral Colloquia 2 *semester hours*  
EDLA 7042 Management of Fiscal/Human Capital 3 *semester hours*  
EDLA 7043 Legal and Policy Issues in Education 3 *semester hours*  
EDLA 7045 Transformational Leadership for Student Achievement 3 *semester hours*  
EDLA 7049 Research Seminar 2 *semester hours*  
EDLA 7940 Preliminary Review Design 1 *semester hour*

Candidates select one of the following content specific courses:

EDLA 7040 Context and Current Topics in Public Education 3 *semester hours*  
EDLA 7060 Context and Current Topics in Private Education 3 *semester hours*

## Dissertation

Candidates complete at least 8 semester hours of dissertation coursework, including:

Note:

\*EDLA 7954 is only required if a candidate does not successfully defend his/her dissertation by the end of Spring semester of his/her third year. Candidates must register for EDLA 7954 each semester (except Summer Session II) until the dissertation is signed off by the chair.

Total: 46 semester hours (20 units transferred from Masters coursework for a total of 66 units)

## Catholic School Administration, M.A.

## Contact Information

**Program Director:** TBA  
**Academic Advisor:** Danielle West

## Introduction/Overview

This unique and successful educational program, offered by LMU's Department of Educational Leadership and Administration (EDLA), provides professional development that is specific to the Catholic school administration context. The two-and-a half year, 31-unit program Master's Degree in Catholic School Administration is designed to address four major themes in Catholic school administration; mission-focused leadership; faith and spiritual leadership; operational management; and instructional leadership. The integration of faith and professional practice is made relevant through practical experiences that prepare candidates to grow as Catholic school leaders through project based learning strategies. Candidates learn that assessment, accountability, and transparency can serve well the mission, vision, and learning outcomes of every Catholic school.

## Program Admissions Requirements

Applicants must have successfully completed the 10 semester hours of the Certificate in Catholic School Administration as a pre-requisite for admission to the Master's degree in Catholic School Administration. The 10 semester hours of the Catholic School Leadership Certificate program will be applied toward the 31 semester hours required for completion of the Master's degree in Catholic School Administration.

Application form

## Degree Requirements

## Additional Degree Requirements

Capstone Culminating Oral Presentation

## Required Coursework

All Certificate program courses:

EDLA 6420 An Invitation to Lead 1 *semester hour*

EDLA 6430 Mission-Focused Leadership in Catholic Education  
3 semester hours  
EDLA 6431 Organizational Leadership in Catholic Education 3  
semester hours  
EDLA 6432 Instructional Leadership in Catholic Education 3  
semester hours

Total Certificate: 10 semester hours

Courses after completion of Certificate:

EDLA 6105 Assessment and Research Methodology 3  
semester hours  
EDLA 6422 Responding to Diversity: Access, Equity, and  
Educational Opportunity 3 semester hours  
EDLA 6424 Organizational Management for Student Learning  
3 semester hours  
EDLA 6433 Visions of Learning 3 semester hours  
EDLA 6434 Student Learning and Professional Growth 3  
semester hours  
EDLA 6435 Transforming Organizations 3 semester hours  
EDUR 6100 Anthropological Analysis of Cultural Diversity 3  
semester hours

Total Additional MA: 21 semester hours

Total: 31 semester hours

### Higher Education Administration, M.A.

#### Contact Information

**Program Director:** Elizabeth Stoddard

**Academic Advisor:** Danielle West

#### Introduction/Overview

The MA in Higher Education Administration guides candidates in becoming scholarly, reflective, and transformative higher education leaders. The program prepares candidates to be justice-oriented administrators in all divisions and all sectors of higher education. The program recognizes the contributions and nuances of serving in two and four year, private and public, and religiously affiliated post-secondary institutions.

#### Admission Requirements

Graduate Application  
Statement of Intent  
2 Letters of Recommendation  
2 sealed, Official Transcripts from each college/university  
attended  
Resume  
Bachelor's degree conferred official transcripts  
Two letters of recommendation  
A cumulative undergraduate GPA of 3.0, or a 3.05 in the last  
60 undergraduate units, or a 3.0 in at least 9 graduate  
units is required.

Statement of Intent:

3-4 pages, double-spaced, 12 point font

Addressing the following:

How have your life and professional  
experiences informed your decision to  
pursue a graduate degree in higher  
education?

Why do you want to study in the LMU  
higher education program?

What leadership and academic qualities  
will you bring to the higher education  
program?  
What leadership and/or academic qualities  
need further development?  
How will you contribute to the mission of  
the LMU School of Education?  
What are your future goals/plans as they  
relate to higher education leadership?

#### Degree Requirements

##### Required Coursework

EDLA 6105 Assessment and Research Methodology 3  
semester hours  
EDLA 6710 Leadership in Higher Education I 3 semester hours  
EDLA 6711 Foundations of Higher Education 3 semester hours  
EDLA 6712 Organization and Administration in Higher  
Education 3 semester hours  
EDLA 6713 Theories of College Student Development 3  
semester hours  
EDLA 6714 Leadership in Catholic Higher Education 2  
semester hours  
EDLA 6715 Community College Leadership 2 semester hours  
EDLA 6720 Fieldwork in Higher Education 3 semester hours  
EDLA 6721 Higher Education Law and Public Policy 3  
semester hours  
EDLA 6722 Resource Management in Higher Education 3  
semester hours  
EDLA 6723 Leadership in Higher Education II 3 semester  
hours  
EDLA 6995 Comprehensive Examination 0 semester hours

Total: 31 semester hours

### School Administration, M.A.

#### Contact Information

**Program Director:** Manuel Ponce, Jr.

**Academic Advisor:** Danielle West

#### Introduction

This program is for any educators who are interested in furthering their understanding of educational leadership to acquire the skills and dispositions needed to lead schools effectively.

Based on academic and professional background and career goals, the MA may be taken as a stand-alone program, be combined with the Charter School Leadership Certificate program, or (for applicants who hold a valid California base credential and have a minimum of three years full-time experience with that credential) be combined with the Preliminary CA Administrative Services (Tier I) Credential program. The requirements outlined below are for the standalone program only.

#### Program Admissions Requirements

Graduate Application  
2 Letters of Recommendation  
One letter must be from employing school principal  
Resume  
2 sealed, official transcripts from each college/university  
attended  
Bachelor's degree  
Statement of Intent addressing:

Applicant's understanding of diversity, social justice, and student achievement. Discuss its implications for leadership and how it intersects with your personal leadership in your current school setting, as well as future administrative leadership roles.

A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:

Transcript evaluations  
TOEFL or IELTS minimum score

## Degree Requirements

### Degree Benchmarks

Capstone Oral Examination

### Required Coursework

- EDLA 6105 Assessment and Research Methodology 3 *semester hours*
- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component 4 *semester hours*
- EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity 3 *semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component 4 *semester hours*
- EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component 4 *semester hours*
- EDLA 6426 Instructional Technology for School Leaders 2 *semester hours*
- EDLA 6427 Advocacy from a Legal Perspective 3 *semester hours*
- EDLA 6428 Business of Education 3 *semester hours*

In addition to the courses listed above, candidate must take two out of the three electives listed below:

- EDLA 6429 Specializing in Charter Schools 3 *semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity 3 *semester hours*
- EDSS 6390 Lifespan Development 3 *semester hours*

Total: 32 semester hours

## Educational Support Services

### Faculty

Chairperson: William D. Parham  
Professors: Terese C. Aceves, Sheri A. Atwater, Paul A. DeSena, Brian P. Leung, William D. Parham  
Associate Professor: Emily S. Fisher  
Assistant Professor: Fernando Estrada  
Affiliate Faculty: Catherine Foote

### Contact Information

**Location:** University Hall, Suite 1500

**Telephone:** 310.568.6854

**Fax:** 310.568.6640

**Senior Administrative Coordinator:** Cheryl Wawrzaszek

### Introduction

The programs (e.g., Counseling and School Psychology) in the Department of Educational Support Services (EDSS) are designed intentionally to prepare graduates to assume professional roles as counselors, school psychologists, and community mental health practitioners, in a variety of settings including K-12 public, private and charter schools, colleges and universities and private non-profit organizations. Each program offers a rigorous academic curriculum and experiential learning components the combination of which makes for a well-trained professional able to work with students, colleagues, administrators, community populations, and civic leaders. The faculty in the Department of Educational Support Services is known for their excellent teaching, respected scholarship, and dedication to serving others. The learning community co-created by the department faculty and students is one from which everyone benefits. In short, graduates of each program within the Department of Educational Support Services come to understand and appreciate the complex 21st century issues and challenges that frame the local, regional and national landscape of education.

## Education Specialist

**School Psychology, Ed.S. with Educational Psychology, M.A. and Pupil Personnel Services Credential, P.P.S.**

### Contact Information

**Program Director:** Brian P. Leung  
**Assistant Director:** Catherine M. Foote  
**Academic Advisor:** Danielle West

### Introduction

The LMU School Psychology program is approved by both the California Commission for Teacher Credentialing (CCTC) and the National Association for School Psychology (NASP) accrediting agencies. Program content is informed by the School of Education Conceptual Framework, and social justice is a strong emphasis of the program. Almost all courses have service learning assignments in which candidates learn and serve in schools and in the greater community. Field placements in the schools are required during year two (practicum) and year three (internship). Passing the Praxis exam in School Psychology at the program cutoff score (147) is required for graduation. This is also the national cutoff score that will result in candidates becoming Nationally Certified School Psychologists (NCSP). After two years in the schools, program graduates will qualify to sit for the Licensed Educational Psychologist (LEP) exam administered by the California Board of Behavioral Sciences.

## Program Admissions Requirements

### Graduate Application

An undergraduate major or minor in Psychology, or major in a closely related field is required for admission. Applicants whose undergraduate major is other than psychology may apply but are required to have completed 18 selected undergraduate semester hours (6 courses) in psychology before beginning the program.

### 3 Letters of Recommendation

1 must be from either:

A practicing School Psychologist, OR  
Director of Psychological Services, OR  
Director of Pupil Personnel Services, OR  
Licensed psychologist familiar with the role of a School Psychologist.

2 sealed, official transcripts from all colleges/universities attended

Original GRE score report  
Technology Requirement Form  
CCTC Certificate of Clearance  
A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:  
Transcript evaluations  
TOEFL or IELTS minimum score  
Statement of Intent, addressing:  
Why you want to be a school psychologist  
The characteristics you possess that you feel will make you an effective school psychologist  
Your commitment to preparing yourself to be an effective school psychologist (e.g., time and effort devoted to an internship, involvement in professional organizations, etc.)  
A summary of your experience with school-aged children, particularly those from culturally diverse backgrounds and those with disabilities  
How well your values align with the School of Education's REAL (Respect, Educate, Advocate, Lead) model.

## Degree Requirements—M.A. in Educational Psychology, Ed.S. in School Psychology

### Required Coursework

EDSS 6500 Foundations of Ethical, Professional, and Legal Practice in School Psychology 3 semester hours  
EDSS 6504 Statistics, Research Methods, and Program Evaluation 3 semester hours  
EDSS 6506 Seminar in Counseling and Interpersonal Relations 3 semester hours  
EDSS 6508 Student Diversity and Exceptionality 3 semester hours  
EDSS 6510 Seminar in Instruction and Learning 3 semester hours  
EDSS 6512 Group Counseling and Intervention with Children and Adolescents 3 semester hours  
EDSS 6513 Advanced Counseling Seminar I 2 semester hours  
EDSS 6514 Family, School, and Community Collaboration 3 semester hours  
EDSS 6515 Advanced Counseling Seminar II 2 semester hours  
EDSS 6516 Seminar in Motivation and Achievement 2 semester hours  
EDSS 6518 Assessment and Intervention for Cognitive and Learning Problems I 3 semester hours  
EDSS 6520 Prevention, Intervention, and Consultation 3 semester hours  
EDSS 6522 Assessment and Intervention for Cognitive and Learning Problems II 3 semester hours  
EDSS 6524 Practicum in School Psychology I 2 semester hours  
EDSS 6525 Practicum in School Psychology II 2 semester hours  
EDSS 6526 Social Responsibility, Violence Prevention, and Crisis Intervention in Schools 3 semester hours  
EDSS 6528 Social, Emotional, and Behavioral Assessment 3 semester hours  
EDSS 6530 Treatment of Emotional and Behavioral Disorders in Children and Adolescents 3 semester hours

Total (M.A./Ed.S.): 48 semester hours

## Credential Requirements—P.P.S. Credential for School Psychology

### Required Coursework

EDSS 6532 Seminar in School Systems and Psychological Services 3 semester hours  
EDSS 6534 Advanced Assessment and Positive Behavioral Intervention 3 semester hours  
EDSS 6536 Special Issues and Best Practices in School Psychological Services 3 semester hours  
EDSS 6538 Supervised Internship in School Psychology I 3 semester hours  
EDSS 6540 Supervised Internship in School Psychology II 3 semester hours  
EDSS 6995 Comprehensive Examination 0 semester hours

Total (P.P.S.): 15 semester hours

### Additional Requirements:

Year 2 Portfolio  
Year 3 Portfolio

Total (Combined M.A. Educational Psychology/Ed.S. School Psychology): 63 semester hours

### Counseling, M.A.

### Contact Information

**Program Director:** Sheri A. Atwater  
**Assistant Director:** Catherine M. Foote  
**Academic Advisor:** Danielle West

### Introduction/Overview

The Master of Arts in Counseling program prepares candidates to succeed as a counselor in diverse educational, community, private, and non-profit settings. This is a 60-semester-hour program designed for those who intend to pursue Licensed Professional Clinical Counselor (LPCC) certification. Graduates of the MA in Counseling program are eligible to apply to the Board of Behavioral Sciences (BBS) for Professional Clinical Counselor Intern (PCCI) status. As a PCCI, graduates then complete 3,000 hours of work and pass 2 national exams to receive LPCC status. There are 2 specialization options for LPCC eligibility: (1) Community Mental Health and (2) School Counseling with Pupil Personnel Services (PPS) Credential.

### Program Admissions Requirements

Graduate Application  
2 Letters of Recommendation  
2 sealed, Official Transcripts from all colleges/universities attended  
Bachelor's degree conferral must be verified on transcript  
Technology Form  
CTC Certificate of Clearance  
California Basic Education Skills Test official score report  
For those seeking the School Counseling with Pupil Personnel Services Credential specialization option  
Statement of Intent addressing:

The characteristics the applicant possesses that he or she thinks will make him or her an effective counselor;

In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;

The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, and becoming active in related professional organizations (e.g., CALPCC, CASC, ASCA);

The applicant's work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);

The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;

A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.

A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:

Transcript evaluations  
TOEFL or IELTS minimum score

## Required Coursework

EDSS 6362 Counseling Theories and Techniques 3 *semester hours*

EDSS 6365 Research Methodology and Statistics 3 *semester hours*

EDSS 6368 Career Counseling and Educational Planning 3 *semester hours*

EDSS 6376 Crisis Counseling, Prevention, and Intervention 3 *semester hours*

EDSS 6377 Multicultural Counseling 3 *semester hours*

EDSS 6378 Group Counseling 3 *semester hours*

EDSS 6379 Social, Emotional, and Behavioral Functioning 3 *semester hours*

EDSS 6382 Ethical and Legal Issues 3 *semester hours*

EDSS 6386 Practicum in Culturally Responsive Counseling 3 *semester hours*

EDSS 6390 Lifespan Development 3 *semester hours*

EDSS 6391 Foundations of Counseling 3 *semester hours*

EDSS 6392 Psychopharmacology 3 *semester hours*

EDSS 6393 Assessment, Appraisal, and Diagnosis 3 *semester hours*

EDSS 6394 Helping Skills 3 *semester hours*

EDSS 6395 Addictions Counseling: Foundations for Wellness 3 *semester hours*

EDSS 6396 Human Sexuality 3 *semester hours*

EDSS 6397 Trauma Counseling: Theories and Interventions 3 *semester hours*

EDSS 6400 Community Psychology: Theories and Practice 3 *semester hours*

EDSS 6995 Comprehensive Examination 0 *semester hours*  
Fieldwork courses pertaining to the candidate's specialization:

EDSS 6940 Fieldwork in Mental Health Counseling I 3 *semester hours*

EDSS 6945 Fieldwork in Mental Health Counseling II 3 *semester hours*

## School Counseling Specialization:

EDSS 6970 Fieldwork in School Counseling I 3 *semester hours*

EDSS 6980 Fieldwork in School Counseling II 3 *semester hours*

Total: 60 semester hours

## Additional Requirements

100 completed hours of practica experience prior to enrollment in Fieldwork courses

Candidate Disposition evaluations

2 total, each from a program faculty member with whom the candidate has taken a course

Fieldwork I Application form

Pre-Practicum Documentation Log

Counseling Organization Membership

Proof of Liability Insurance with Counseling Organization

Fieldwork Planning Document

Approval of Fieldwork Site

Candidates seeking the Pupil Personnel Services

Credential must complete their fieldwork at an approved school site.

## Guidance and Counseling, M.A.

### Contact Information

**Program Director:** Sheri A. Atwater

**Assistant Director:** Catherine M. Foote

**Academic Advisor:** Danielle West

### Introduction

The Master of Arts in Guidance and Counseling program is a 37-semester-hour program. It is designed for those who want a rigorous graduate Counseling program but are not planning to apply for either the Licensed Professional Clinical Counselor (LPCC) licensure or for the California Pupil Personnel Services (PPS) credential. It is ideal for candidates interested in working in higher education settings in positions such as college counselors or advisors. Should a candidate in this track later wish to pursue the MA Counseling degree with one of its associated specializations, most of the coursework taken in the MA in Guidance and Counseling program will apply.

### Program Admissions Requirements

Graduate Application

2 Letters of Recommendation

2 sealed, Official Transcripts from all colleges/universities attended

Bachelor's degree conferral must be verified on transcript

Technology Form

CTC Certificate of Clearance

Statement of Intent addressing:

The characteristics the applicant possesses that he or she thinks will make him or her an effective counselor;

## Community Mental Health Specialization:

In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;

The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, and becoming active in related professional organizations (e.g., CALPCC, CASC, ASCA);

The applicant's work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);

The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;

A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.

A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:

Transcript evaluations

TOEFL or IELTS minimum score

## Degree Requirements

### Required Coursework

EDSS 6362 Counseling Theories and Techniques *3 semester hours*

EDSS 6365 Research Methodology and Statistics *3 semester hours*

EDSS 6368 Career Counseling and Educational Planning *3 semester hours*

EDSS 6972 Fieldwork in Guidance Counseling *1 semester hour*

EDSS 6376 Crisis Counseling, Prevention, and Intervention *3 semester hours*

EDSS 6377 Multicultural Counseling *3 semester hours*

EDSS 6378 Group Counseling *3 semester hours*

EDSS 6379 Social, Emotional, and Behavioral Functioning *3 semester hours*

EDSS 6382 Ethical and Legal Issues *3 semester hours*

EDSS 6386 Practicum in Culturally Responsive Counseling *3 semester hours*

EDSS 6390 Lifespan Development *3 semester hours*

EDSS 6391 Foundations of Counseling *3 semester hours*

EDSS 6392 Psychopharmacology *3 semester hours*

EDSS 6394 Helping Skills *3 semester hours*

EDSS 6995 Comprehensive Examination *0 semester hours* (fee-based, \$300)

Total: 37 semester hours

### Additional Requirements

Candidate Disposition Forms

2 total, each from a program faculty member with whom the candidate has taken a course

Pre-Practicum Documentation Log

Counseling Organization Membership

Proof of Liability Insurance with Counseling Organization Approval of Site

## School Counseling, M.A. with Pupil Personnel Services Credential, P.P.S.

### Contact Information

**Program Director:** Sheri A. Atwater

**Assistant Director:** Catherine M. Foote

**Academic Advisor:** Danielle West

### Introduction

The Master of Arts in School Counseling program is a 48-semester-hour combined degree/credential program. It is designed for candidates who plan to serve as School Counselors in a California K-12 public or private school setting. As a combined program, it incorporates the required courses and fieldwork experiences mandated by the California Commission on Teacher Credentialing (CCTC) for the Pupil Personnel Services (PPS) credential. As such, candidates in this program do not pursue other specializations. Graduates of this program are eligible to apply for the California PPS credential but not for the licensure as an Licensed Professional Clinical Counselor (LPCC). The program leading to the School Counseling credential is approved by the State of California Commission on Teacher Credentialing and the National Council for the Accreditation of Teacher Education.

### Admissions Requirements

Graduate Application

2 Letters of Recommendation

2 sealed, Official Transcripts from all colleges/universities attended

Bachelor's degree conferral must be verified on transcript

Technology Form

CTC Certificate of Clearance

California Basic Education Skills Test official score report

Statement of Intent addressing:

The characteristics the applicant possesses that he or she thinks will make him or her an effective counselor;

In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;

The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, and becoming active in related professional organizations (e.g., CALPCC, CASC, ASCA);

The applicant's work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);

The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;

A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.

A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:

Transcript evaluations  
TOEFL or IELTS minimum score

## Degree Requirements

### Required Coursework

EDSS 6362 Counseling Theories and Techniques 3 *semester hours*  
EDSS 6365 Research Methodology and Statistics 3 *semester hours*  
EDSS 6368 Career Counseling and Educational Planning 3 *semester hours*  
EDSS 6376 Crisis Counseling, Prevention, and Intervention 3 *semester hours*  
EDSS 6377 Multicultural Counseling 3 *semester hours*  
EDSS 6378 Group Counseling 3 *semester hours*  
EDSS 6379 Social, Emotional, and Behavioral Functioning 3 *semester hours*  
EDSS 6382 Ethical and Legal Issues 3 *semester hours*  
EDSS 6386 Practicum in Culturally Responsive Counseling 3 *semester hours*  
EDSS 6390 Lifespan Development 3 *semester hours*  
EDSS 6391 Foundations of Counseling 3 *semester hours*  
EDSS 6392 Psychopharmacology 3 *semester hours*  
EDSS 6393 Assessment, Appraisal, and Diagnosis 3 *semester hours*  
EDSS 6394 Helping Skills 3 *semester hours*  
EDSS 6970 Fieldwork in School Counseling I 3 *semester hours*  
EDSS 6980 Fieldwork in School Counseling II 3 *semester hours*  
EDSS 6995 Comprehensive Examination 0 *semester hours*

Total: 48 semester hours

### Additional Requirements

Candidate Disposition Forms  
2 total, each from a program faculty member with whom the candidate has taken a course  
Fieldwork I Application form  
Pre-Practicum Documentation Log  
Counseling Organization Membership  
Proof of Liability Insurance with Counseling Organization  
Fieldwork Planning Document  
Approval of Fieldwork Site  
Candidates seeking the Pupil Personnel Services Credential must complete their fieldwork at an approved school site.  
Completion of all courses prior to enrollment in Comprehensive Exam with the exception of:  
EDSS 6970 Fieldwork in School Counseling I  
EDSS 6980 Fieldwork in School Counseling II

### Credential Requirements

To apply for the Pupil Personnel Services (PPS) Credential, candidates must complete their fieldwork at an approved school site.  
All above-listed coursework and program requirements are needed to be eligible for credential recommendation.

## Elementary and Secondary Education

### Faculty

Chairperson: Candace Poindexter  
Professors: Victoria Graf, Candace Poindexter, Francisco Ramos  
Associate Professors: Ignacio Higareda, Ani Shabazian  
Clinical Associate Professor: Annette Hernandez  
Affiliate Faculty: Diane Fogarty, Liza Matrippolito

### Contact Information

**Location:** University Hall 2600  
**Phone:** 310.568.6654  
**Fax:** 310.338.1976  
**Administrative Coordinator/Assistant:** TBD  
**Email:** TBD

### Introduction

The Department of Elementary and Secondary Education offers a variety of credential and graduate programs that emphasize the preparation of excellent teachers to education the culturally/linguistically diverse populations in PK-12 public or private schools. Accredited by the California Commission on Teacher Credentialing, we provide professional preparation in research-based exemplary practices that include the requisite skills, knowledge, and dispositions required to ensure equity and excellence in education. As a result of our Masters and credential programs, graduates are highly regarded by their colleagues and leaders in the schools, districts, and communities in which they serve. Teacher preparation and professional development options in the Department promote and respond to the Jesuit and Marymount traditions and correspond to the core tenets of the School of Education's Conceptual Framework.

### Bilingual Authorization

### Contact Information

**Academic Advisor:**  
Graduate: Terri Taylor  
Undergraduate: Michael Cersosimo

### Introduction

The Bilingual Certificate Program offers candidates the opportunity to add the Bilingual Authorization in Spanish or Mandarin to their existing California 2042 Multiple Subjects or Single Subject Preliminary credential. Candidates can obtain the Bilingual Authorization by completing the required three 3-semester-hour courses. Candidates must also pass the CSET LOTE Test III. The option to add the Bilingual Authorization is only viable for candidates admitted to, and enrolled in, either the LMU School of Education California 2042 Multiple Subjects or Single Subject Preliminary credential programs.

### Program Admissions Requirements

In order to add the Bilingual Authorization to an existing credential, candidates must:

Demonstrate language proficiency in Spanish or Mandarin  
All students must demonstrate minimum language competency in Spanish or Mandarin prior to starting the Bilingual Authorization program. Bilingual Authorization candidates can meet this language requirement by one of the following routes:

Providing an official transcript showing completion of a Spanish major or minor,  
Passing an approved language examination,  
Submitting a transcript showing extensive schooling in a Spanish/Chinese speaking country,

Showing proof of appropriate Peace Corps experience in a Spanish- or Chinese-speaking country.

Interview with the Director of Bilingual Education programs  
Complete appropriate forms as provided by program and advisor

## Program Requirements

### Graduate Required Coursework

#### Bilingual Authorization in Spanish

EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*  
EDES 5324 Bilingualism and Biliteracy *3 semester hours*  
EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

#### Bilingual Authorization in Mandarin

EDES 5324 Bilingualism and Biliteracy *3 semester hours*  
EDES 5330 Chinese/American/American Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*  
EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

Total: 9 semester hours

### Undergraduate Required Coursework

#### Bilingual Authorization in Spanish

EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*  
EDES 418 Bilingualism and Biliteracy *3 semester hours*  
EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*

#### Bilingual Authorization in Mandarin

EDES 418 Bilingualism and Biliteracy *3 semester hours*  
EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*  
EDES 431 American/Chinese/Chinese American Cultures: An Interdisciplinary Perspective *3 semester hours*

Total: 9 semester hours

## Bilingual Certificate Program

**Academic Program Director:** Liza Mastroppolito

**Office Location:** University Hall 2600

The Bilingual Certificate Program offers candidates the opportunity to add the Bilingual Authorization in Spanish or Mandarin to their existing California 2042 Multiple Subjects or Single Subject credential.

Candidates can obtain the Bilingual Authorization by completing three 3-semester-hour courses. Candidates must also pass the CSET LOTE Test III.

Courses for the Bilingual Authorization:

EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*  
EDES 5324 Bilingualism and Biliteracy *3 semester hours*

EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

or

EDES 5324 Bilingualism and Biliteracy *3 semester hours*  
EDES 5330 Chinese/American/American Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*  
EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

All Candidates must pass the CSET LOTE Test III in Spanish or Mandarin.

## California Teachers of English Learners Certificate

### Contact Information

**Program Director:** Candace Poindexter

**Academic Advisor:** Terri Taylor

### Introduction

The California Teacher of English Learners Certificate program is specifically designed to offer currently credentialed teachers coursework required to obtain the California Commission on Teacher Credentialing's (CCTC) English Learner Authorization.

## Program Admissions Requirements

Graduate Application  
Statement of Intent  
2 Letters of Recommendation  
2 sealed, official transcripts from all colleges and/or universities attended  
Professional Resume or CV  
Verification of current, valid teaching credential  
A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units  
For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:  
Transcript evaluations  
TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*  
EDES 5003 Theories and Policies of Second Language Acquisition *3 semester hours*  
EDES 5250 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Secondary Educators *3 semester hours*  
EDES 6350 Linguistics and Reading *3 semester hours*

Total: 12 semester hours

### Additional Requirements

CTEL Portfolio  
Documentation and application requirements as outlined by CCTC

## Reading and Literacy Added Authorization

### Contact Information

**Program Director:** Candace Poindexter

**Academic Advisor:** Terri Taylor

## Introduction/Overview

The Reading and Literacy Added Authorization (RLAA) allows a candidate who currently holds a teaching credential to assess student reading and provide reading instruction in response to those assessments. Holders of the RLAA are also authorized to develop, implement, and adapt the reading content curriculum and assist classroom teachers in these areas at one or more school sites. This program may be taken concurrently with the Reading Instruction, M.A. program or as a stand-alone program.

## Program Admissions Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Copy of valid California 2042 Preliminary Teaching Credential
- Interview with Program Director/Assistant Director
- Verification of Experience Form
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 6350 Linguistics and Reading *3 semester hours*
- EDES 6351 Assessment in Reading Performance *3 semester hours*
- EDES 6354 Reading Development and Instruction *3 semester hours*
- EDES 6355 Introduction to Reading Difficulties *3 semester hours*
- EDES 6356 Diagnosis and Intervention in Reading—Practicum I *3 semester hours*

Total: 15 semester hours

### Additional Requirement

RLAA Portfolio

## Professional 2042 Induction/Clear Credential

## Contact Information

**Program Director:** Candace Poindexter

**Academic Advisor:** Terri Taylor

## Program Admissions Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Verification of Unavailability of a Commission-Approved Induction Program Form

Verification of Experience Form

Verification of Teaching Employment Form

Program Agreement Form

Title IIA Compliance Form for applicants employed within L.A. Archdiocese

Technology Requirement Form

Valid 2042 Preliminary Teaching Credential

2 sealed, official transcripts from all colleges and/or universities attended

A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

Bachelor's degree

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:

Transcript evaluations

TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 6080 Advance Course 1: Special Populations, English Language Learners, Health, and Technology *3 semester hours*
- EDCE 6965 Action Research Fieldwork Support Course I *1 semester hour*
- EDES 6081 Advance Course 2: Special Populations, English Language Learners, Health, and Technology *3 semester hours*
- EDCE 6966 Action Research Fieldwork Support II *1 semester hour*

Total: 8 semester hours

### Additional Requirements

In addition to the 8 semester hours required for this program, candidates may not clear their credential until an additional 22 graduate semester hours have been successfully completed and official transcripts sent to the Credential Office in the School of Education. These additional 22 semester hours may be taken concurrently in the School of Education or prior to admission to the program.

## Master of Arts in Literacy Education

In addition to the Professional 2042 Clear Credential coursework above, the following additional coursework will result in a Master of Arts in Literacy Education:

- EDES 6103 Curriculum and Instructional Leadership *3 semester hours*
- EDES 6345 Literacy Fieldwork *1 TO 3 semester hours*
- EDES 6350 Linguistics and Reading *3 semester hours*
- EDES 6351 Assessment in Reading Performance *3 semester hours*
- EDES 6352 Seminar: The Reading Professional *3 semester hours*
- EDES 6354 Reading Development and Instruction *3 semester hours*
- EDES 6355 Introduction to Reading Difficulties *3 semester hours*
- EDES 6356 Diagnosis and Intervention in Reading—Practicum I *3 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours*

## Application for Clear Credential

When all requirements have been completed, candidates must complete an application for a clear Professional Clear 2042 Teaching Credential (additional fee required, see website for more information).

## Reading and Literacy Leadership Specialist Credential

### Contact Information

**Program Director:** Candace Poindexter

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The Reading and Literacy Leadership Specialist Credential allows candidates to work as Reading Specialists in schools and to act in a leadership role in materials selection, program development, and professional development in reading and literacy at the school and district levels. Candidates who hold a current teaching credential may count their coursework towards the Reading Instruction MA based on the curriculum match.

### Program Admissions Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Verification of Experience form
- Copy of valid California 2042 Preliminary Teaching Credential
- Proof of satisfying California's Basic Skill Requirement
- Interview with Program Director/Assistant Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

### Program Requirements

#### Required Coursework

- EDLA 6105 Assessment and Research Methodology 3 *semester hours*
- EDES 6350 Linguistics and Reading 3 *semester hours*
- EDES 6351 Assessment in Reading Performance 3 *semester hours*
- EDES 6352 Seminar: The Reading Professional 3 *semester hours*
- EDES 6353 Technology and Reading 3 *semester hours*
- EDES 6354 Reading Development and Instruction 3 *semester hours*
- EDES 6355 Introduction to Reading Difficulties 3 *semester hours*
- EDES 6356 Diagnosis and Intervention in Reading—Practicum I 3 *semester hours*
- EDES 6357 Diagnosis and Intervention in Reading—Practicum II 3 *semester hours*
- EDES 6358 Research and Trends in Reading Education 3 *semester hours*
- EDES 6359 Field Experience—The Reading Professional 3 *semester hours*

EDES 6995 Comprehensive Examination 0 *semester hours*  
(fee based)

Total: 33 semester hours

### Additional Requirements

- Written Comprehensive Exam
- PowerPoint Showcase
- RLLSC Portfolio

## Secondary Education, M.A. with a Preliminary 2042 Single Subject Credential

### Contact Information

**Acting Program Director:** Liza Mastrippolito

**Academic Advisors:**

Graduate: Terri Taylor

Undergraduate: Michael Cersosimo

### Introduction/Overview

The combined Single Subject Preliminary Credential and Master of Arts in Secondary Education program is designed for graduate students who are seeking teaching positions in grades 6-8, or in 9-12 school settings that require teachers to teach in departments. The combined program fulfills all the requirements for the Master of Arts in Secondary Education degree and a California Preliminary 2042 Single Subjects Teaching Credential. The following Single Subject Preliminary credentials are offered:

- Art
- Biology
- Chemistry
- Earth science
- English
- Mathematics
- Social Science
- Spanish

### Program Admissions Requirements

Attendance at an Information Session (for Credential Candidates Only)

Please contact the School of Education Admissions Coordinator to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.

Graduate Application  
Candidate Information Sheet  
3 Letters of Recommendation

At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.

Letters cannot be written by family members or friends.

Technology Requirement Form  
Fingerprint Clearance Form  
Statement of Intent

3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).

2 sealed, official transcripts from all colleges and/or universities attended

Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.  
Professional Resume  
Proof of satisfying California's Basic Skills Requirement  
Official CBEST passing scores or equivalent  
Subject Matter Competency Test (CSET) Plan of Action  
Certificate of Clearance (COC)  
Proof of Satisfying the U.S. Constitution Requirement  
Tuberculin Skin Test Results  
Interview with Program Director  
A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units  
For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:  
Transcript evaluations  
TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

EDUR 5000 Cultural Paradigms of Education 3 *semester hours*  
EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years 3 *semester hours*  
EDES 5003 Theories and Policies of Second Language Acquisition 3 *semester hours*  
EDES 5250 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Secondary Educators 3 *semester hours*  
EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy 0 *semester hours*  
EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction 0 *semester hours*  
EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning 0 *semester hours*  
EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience 0 *semester hours*  
EDCE 5977 Secondary Directed Teaching 6 TO 9 *semester hours*  
EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs 3 *semester hours*  
EDES 6203 Reading and Content Learning in Middle and Secondary Schools 3 *semester hours*  
EDES 6995 Comprehensive Examination 0 *semester hours* (fee required)  
EDSS 8000 Health Education 1 *semester hour* (fee required)

One of the following courses that aligns with the subject area emphasis of the credential:

EDES 5251 Methods in Teaching Secondary Languages Other Than English 3 *semester hours*  
EDES 5252 Methods in Teaching Secondary Social Studies 3 *semester hours*  
EDES 5253 Methods in Teaching Secondary English 3 *semester hours*  
EDES 5254 Methods in Teaching Secondary Science 3 *semester hours*  
EDES 5255 Methods in Teaching Secondary Math 3 *semester hours*  
EDES 5256 Methods in Teaching Secondary Art 3 *semester hours*

Choose one of the following courses:

EDUR 6100 Anthropological Analysis of Cultural Diversity 3 *semester hours*  
EDES 6103 Curriculum and Instructional Leadership 3 *semester hours*  
EDLA 6105 Assessment and Research Methodology 3 *semester hours*  
EDSS 6390 Lifespan Development 3 *semester hours*

Total: 33 semester hours

### Additional Requirements

Prerequisite Coursework  
Student Teaching Requirements  
Teaching Performance Assessments  
Health Education for Educators  
Professional Advising  
CSET Score Report  
Disposition Rubric  
M.A. Coursework  
Fieldwork Application  
Culminating Fieldwork Requirements  
Comprehensive Examination  
Exit Interview  
Reading Instruction Competence Assessment (RICA)  
Application for Credential  
Application for Master of Arts Degree

### Undergraduate Teacher Preparation—Combined Program Requirements: Education Specialist Credential: Mild/Moderate Disabilities with the 2042 Multiple Subject/Elementary Emphasis

The 2042 Multiple Subject/Secondary Teaching Credential can be pursued concurrently with the Education Specialist Credential: Mild/Moderate Disabilities. In addition to the previously listed program sequence for the Education Specialist Credential, the following are required.

### Professional Coursework

Students in the combined program will have both a general education and special education teaching placement during their student teaching.

### Elementary Emphasis

EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 *semester hours*  
EDCE 410 Elementary Directed Teaching 9 TO 12 *semester hours*  
EDCE 456 Directed Teaching with Culturally and Linguistically Diverse Students with Mild/Moderate Disabilities 6 *semester hours*  
EDCE 459 Student Teaching Seminar 3 *semester hours*

### Secondary Emphasis

EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 *semester hours*  
EDCE 412 Secondary Directed Teaching 9 TO 12 *semester hours*  
EDCE 456 Directed Teaching with Culturally and Linguistically Diverse Students with Mild/Moderate Disabilities 6 *semester hours*  
EDCE 459 Student Teaching Seminar 3 *semester hours*

## Undergraduate Teacher Preparation—Elementary Education

**Senior Director:** Annette Pijuan Hernandez

**Assistant Director:** Michael Cersosimo

**Location:** University Hall 3346

### Introduction

The Department of Elementary and Secondary Education offers credential programs and minors in Education and is committed to preparing excellent teachers to educate the culturally and linguistically diverse populations in K-12 public or private schools. Accredited by the National Council for the Education of Teacher Education and the California Commission on Teacher Credentialing, we provide professional preparation in research-based exemplary practices that include the requisite knowledge, skills, and dispositions required to ensure equity and excellence in education. Graduates of our programs are highly regarded by their colleagues and leaders in the schools, districts, and communities in which they serve. Teacher preparation and professional development options in the Department promote and respond to the Jesuit and Marymount traditions and correspond to the core tenets of the School of Education's Conceptual Framework.

### Academic Programs

Elementary Education

Secondary Education

Minor in Elementary and Secondary Education

Bilingual Authorization

Special Education

### Credential Programs

Preliminary California Teaching Credentials are offered in Elementary Education (SB 2042 Multiple Subjects) and Secondary Education (SB 2042 Single Subject)

If you are interested in the following programs, please see the appropriate Department. For Elementary or Secondary Education with a Bilingual Emphasis, see the Bilingual section in this Department, and for Special Education, see the Department of Educational Support Services.

Teaching credential requirements (listed with each program) are governed by the California Commission on Teacher Credentialing (CCTC) and are subject to change.

Students interested in pursuing credentials in Elementary or Secondary Education must attend an information session to begin the application process. Contact the School of Education Admissions Coordinator at [soeinfo@lmu.edu](mailto:soeinfo@lmu.edu) for information session dates and times.

### Initial Application Process for Elementary and Secondary Education Programs

Attend a mandatory information session to receive the following application materials:

School of Education Application

Subject matter Plan of Action

Statement of Intent guidelines

Technology Self-Verification form

A minimum GPA of 3.0 is required. Students who do not meet this requirement must schedule an appointment with the Academic Program Director to be considered for admission.

### Preliminary California Teaching Credential

The 2042 Multiple Subject Preliminary Credential program is designed for students who are seeking teaching positions in grades K-5 or any self-contained classrooms in grades 6-8. A student successfully completing this program is eligible to receive a minor in Elementary Education and to apply for a California Preliminary Multiple Subject Credential.

### Requirements for Formal Admission

#### Review by the Teacher Admission and Advisory Committee

**(TAAC):** After the requirements for formal admission, outlined below, have been completed and all application materials submitted, the candidate's file will be presented to TAAC for review. It is the candidate's responsibility to ensure that all items have been received. Candidates will be notified of the Committee's decision in writing. All documents become the property of the University and will not be released to any person or institution. Prerequisite courses are only available to sophomores (30 semester hours earned) or higher. Interested first year students should contact the Academic Program Director. Plan to complete the fourth prerequisite prior to student teaching. All of the following requirements must be completed and submitted to the School of Education, University Hall 2100, prior to scheduling an interview with the Academic Program Director.

Complete three of the following four prerequisite courses and maintain a GPA of 2.8 or better:

EDUR 400 Sociocultural Analysis of Education

EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years

EDES 414 Theories and Policies of Second Language Acquisition

EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs

Teacher Education Application form

Statement of Intent

Candidate Information Sheet

Submit one set of official transcripts from all colleges and universities attended other than LMU

Three letters of recommendation

1 letter from an LMU professor

1 letter that speaks to your experience in working with children in the age group you plan to teach

1 additional letter that can be a recommendation from either of the two above. Cannot be from a family member or friend.

Verification of 20 hours of experience working with culturally and linguistically diverse youth groups, ages 5-13

Fingerprint Clearance: The original Certificate of Clearance must be received back from the California Commission on Teacher Credentialing (CCTC) at the School of Education

Tuberculosis (TB) Skin Test results: Candidates must submit an official copy of their TB test results, given within one year.

California Basic Educational Skills Test (CBEST) original passing score report

U.S. Constitution Requirement—Satisfied by one of the following:

Successfully completing a LMU course;

Completing an equivalent course at another institution. The course must be approved by the School of Education Admissions Coordinator. Candidates must present a course syllabus and course description.

Subject Matter Plan of Action completion: Students must demonstrate mastery of the required subject matter by passing the Multiple Subject California Subject Matter Exam for Teachers (Multiple Subject CSET). Results of the CSET are valid for only five years.

Disposition Rubric: Candidates are expected to uphold both academic and non-academic standards embraced by the School of Education. Non-academic factors include behaviors, dispositions, and attitudes that educators must positively develop. The Disposition Rubric will be used to assess the professional dispositions of our candidates.

Technology Requirement

Interview with Academic Program Director/Assistant Director

Advising

**Academic Advising:** All candidates are required to meet with the Academic Advisor once a semester. Candidates are advised on appropriate course sequence and program information.

**Professional Advising:** All candidates are required to meet with the Professional Advisor (Program Director/Assistant Director) once a semester. Candidates will discuss academic course progress, career plans and goals, dispositional issues and other issues related to the teaching profession.

## Requirements for Student Teaching

### **Review by the Teacher Advisory Review Committee (TARC):**

After the requirements for student teaching, outlined below, have been completed the candidate will apply to TARC for review. Applications will be submitted to the Academic Advisor. It is the candidate's responsibility to ensure that all items have been completed and received. The candidate will be notified of the Committee's decision in writing. All documents become the property of the University and will not be released to any person or institution.

All of the following are required once you have been formally admitted to the School of Education and must be fulfilled prior to enrollment in student teaching:

1. A "B" (3.0) grade point average must be maintained in all education coursework. A "D" (1.0) is not acceptable in any of the coursework in the sequence.

2. Fingerprint Clearance—

A signed Violation Affidavit.

3. TB test results—

Valid within one year prior to student teaching.

4. Health Education requirement (verified on transcripts), satisfied by one of the following:

- Completing EDES 8000 *1 semester hour*; or
- Completing a 2042 approved health education course through another institution.

5. Multiple Subject CSET original passing score report

6. Disposition Rubric:

Candidates are expected to uphold both academic and non-academic standards embraced by the School of Education. Non-academic factors include behaviors, dispositions, and attitudes that educators must positively develop. The Disposition Rubric will be used to assess the professional dispositions of our candidates.

7. Complete the following methods courses

(maintaining a GPA of 3.0 or better)

- EDES 402 Teaching Reading in Today's Elementary Classrooms *3 semester hours*
- EDES 425 Methods in English Language Development and Specially Designed Academic Instruction in English for Elementary Educators *3 semester hours*
- EDES 434 Elementary Curriculum and Methods *3 semester hours*

8. Teaching Performance Assessment (TPA) Task 1 and Task 2

(fee based, 0 semester hour courses)

EDCE 461 Teaching Performance Assessment 1 *0 semester hours* Subject Specific Pedagogy

EDCE 462 Teaching Performance Assessment 2 *0 semester hours* Designing Instruction

## Enrolling in Student Teaching

In order to be accepted and successfully complete student teaching, all students must comply with the policies and requirements set forth by the School of Education. All student teacher placements will be made by Clinical Support Services.

Students must clear all Incompletes prior to student teaching  
Students must schedule an appointment with the Academic Advisor

Students must complete the fieldwork application (available from the Academic Advisor) and schedule an interview with the Coordinator of Fieldwork

Enroll in EDCE 410 Elementary Directed Teaching (9-12 semester hours)

Enroll in EDCE 463 Teaching Performance Assessment 3 Assessing Learning

Enroll in EDCE 464 Teaching Performance Assessment 4 Culminating Teaching Experience

## Reading Instruction Competence Assessment (RICA)

After completion of EDES 402, candidates are eligible to take the RICA exam. Candidates are required to take, pass, and submit an original passing score report to the School of Education prior to applying for the preliminary teaching credential.

## Exit Interview

The candidate must schedule an exit interview with the Director or Assistant Director. The exit interview must be completed prior to submitting an application for a credential.

## Application Process for the Preliminary Multiple Subject Credential

Successful completion of all the requirements outlined above  
Students must submit an official transcript with the Bachelor's degree posted to the Credential Office in the School of Education.

Complete the Credential Application through the School of Education to the Commission on Teacher Credentialing, State of California (additional fee required; see website for more information).

## Professional 2042 Clear Teaching Credential

A student has five years after obtaining the preliminary credential to complete the requirements for the professional clear credential. LMU offers a Clear Credential intended for Catholic and Private school teachers who do not have access to a district induction program. For more information, contact the Academic Program Director, Dr. Olga Grimalt, at 310.338.3778.

## Bilingual Authorization

Students who demonstrate proficiency in Spanish or Mandarin may pursue the Bilingual Authorization in addition to the 2042 Single Subject credential.

## Undergraduate Teacher Preparation—Secondary Education

**Senior Director:** Annette Pijuan Hernandez

**Assistant Director:** Michael Cersosimo

**Location:** University Hall 3346

### Introduction

The Department of Elementary and Secondary Education offers credential programs and minors in Education and is committed to preparing excellent teachers to educate the culturally and linguistically diverse populations in K-12 public or private schools. Accredited by the National Council for the Education of Teacher Education and the California Commission on Teacher Credentialing, we provide professional preparation in research-based exemplary practices that include the requisite knowledge, skills, and dispositions required to ensure equity and excellence in education. Graduates of our programs are highly regarded by their colleagues and leaders in the schools, districts, and communities in which they serve. Teacher preparation and professional development options in the Department promote and respond to the Jesuit and Marymount traditions and correspond to the core tenets of the School of Education's Conceptual Framework.

### Academic Programs

- Elementary Education
- Secondary Education
- Minor in Elementary and Secondary Education
- Bilingual Authorization
- Special Education

### Credential Programs

Preliminary California Teaching Credentials are offered in Elementary Education (SB 2042 Multiple Subjects) and Secondary Education (SB 2042 Single Subject)

If you are interested in the following programs, please see the appropriate Department. For Elementary or Secondary Education with a Bilingual Emphasis, see the Bilingual section in this Department, and for Special Education, see the Department of Educational Support Services.

Teaching credential requirements (listed with each program) are governed by the California Commission on Teacher Credentialing (CCTC) and are subject to change.

Students interested in pursuing credentials in Elementary or Secondary Education must attend an information session to begin the application process. Contact the School of Education Admissions Coordinator at [soeinfo@lmu.edu](mailto:soeinfo@lmu.edu) for information session dates and times.

### Initial Application Process for Elementary and Secondary Education Programs

Attend a mandatory information session to receive the following application materials:

- School of Education Application
- Subject matter Plan of Action
- Statement of Intent guidelines
- Technology Self-Verification form

A minimum GPA of 3.0 is required. Students who do not meet this requirement must schedule an appointment with the Academic Program Director to be considered for admission.

## Preliminary California Teaching Credential

The 2042 Single Subject Preliminary Credential program is designed for students who are seeking teaching positions in grades 9-12, or in 6-8 school settings that require teachers to teach in departments. A student successfully completing this program is eligible to receive a

minor in Secondary Education as well as to apply for a California Preliminary Single Subject Credential.

The following Single Subject Preliminary Credentials are offered through the School of Education:

- Art\*
- Biology\*
- Chemistry\*
- Earth Science\*
- English\*
- Mathematics\*
- Social Science\*
- Spanish (pending approval)

\* Content area with an LMU undergraduate approved program by the California Commission on Teacher Credentialing (CCTC). However, students can major in any content area and still be eligible to receive a Single Subject Preliminary Credential.

## Requirements for Formal Admission

### Review by the Teacher Admission and Advisory Committee (TAAC):

After the requirements for formal admission, outlined below, have been completed and all application materials submitted, the candidate's file will be presented to TAAC for review. It is the candidate's responsibility to ensure that all items have been received. Candidates will be notified of the Committee's decision in writing. All documents become the property of the University and will not be released to any person or institution.

All of the following requirements must be completed and submitted to the School of Education, University Hall 2100, prior to scheduling an interview with the Academic Program Director.

Complete three of the following four prerequisite courses and maintain a GPA of 3.0 or better:

- EDUR 400 Sociocultural Analysis of Education
- EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years
- EDES 414 Theories and Policies of Second Language Acquisition
- EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs

Prerequisite courses are only available to sophomores (30 semester hours earned) or higher. Interested first year students should contact the Academic Program Director. Plan to complete the fourth prerequisite prior to student teaching.

Teacher Education Application form

Statement of Intent

Candidate Information Sheet

Submit one set of official transcripts from all colleges and universities attended other than LMU

Three letters of recommendation

- 1 letter from an LMU professor
- 1 letter that speaks to your experience in working with children in the age group you plan to teach
- 1 additional letter that can be a recommendation from either of the two above. Cannot be from a family member or friend.

Verification of 20 hours of experience working with culturally and linguistically diverse youth groups, ages 4-13, or Plan of Action of Completion of 20 hours prior to student teaching

Certificate of Clearance (COC): The original Certificate of Clearance must be received back from the California Commission on Teacher Credentialing (CCTC) at the School of Education.

Tuberculosis (TB) Skin Test results: Candidates must submit an official copy of their TB test results, given within one year.

California Basic Educational Skills Test (CBEST) original passing score report

U.S. Constitution Requirement—Satisfied by one of the following:

- Successfully completing a LMU course;
- Completing an equivalent course at another institution. The course must be approved by the School of Education Admissions Coordinator. Candidates must present a course syllabus and course description.

Subject Matter Plan of Action completion

Students must demonstrate mastery of the required subject matter by passing the Single Subject California Subject Matter Exam for Teachers (Single Subject CSET); or Students must complete an LMU Undergraduate Approved Subject Matter Waiver Program (Art [approval pending], Biology, Chemistry, English, Mathematics, Physical Education (Dance), Social Science and Spanish [approval pending])

Results of the CSET are valid for only five years.

Disposition Rubric: Candidates are expected to uphold both academic and non-academic standards embraced by the School of Education. Non-academic factors include behaviors, dispositions, and attitudes that educators must positively develop. The Disposition Rubric will be used to assess the professional dispositions of our candidates.

Technology Requirement

Interview with Academic Program Director

## Requirements for Student Teaching

Review by the Teacher Advisory Review Committee (TARC): After the requirements for student teaching, outlined below, have been completed the candidate will apply to TARC for review. Applications will be submitted to the Academic Advisor. It is the candidate's responsibility to ensure that all items have been completed and received. The candidate will be notified of the Committee's decision in writing. All documents become the property of the University and will not be released to any person or institution.

All of the following are required once you have been formally admitted to the School of Education and must be fulfilled prior to enrollment in student teaching:

A "B" (3.0) grade point average must be maintained in all education coursework. A "D" (1.0) is not acceptable in any of the coursework in the sequence.

Fingerprint Clearance—A signed Violation Affidavit.

TB test results—Valid within one year prior to student teaching.

Health Education requirement (verified on transcripts), satisfied by one of the following:

- Completing EDES 8000 *1 semester hour*; or
- Completing a 2042 approved health education course through another institution.

Single Subject CSET in credential content area (original passing score report) or official letter confirming the completion and approval of an LMU Undergraduate Subject Matter Waiver Program. See your Major Advisor for further information.

Disposition Rubric: Candidates are expected to uphold both academic and non-academic standards embraced by the School of Education. Non-academic factors include behaviors, dispositions, and attitudes that educators must positively develop. The Disposition Rubric will be used to assess the professional dispositions of our candidates.

Complete the following methods courses (maintaining a GPA of 3.0 or better):

- EDES 403 Reading and Content Learning in Middle and Secondary Schools
- EDES 426 Methods in English Language Development and Specially Designed Academic Instruction in English for Secondary Educators

And one of the following courses, depending on the credential content area:

- ART 455 Methods in Teaching Secondary Art
- EDES 484 Methods in Teaching Secondary Languages Other Than English
- EDES 485 Methods in Teaching Secondary Social Studies
- EDES 486 Methods in Teaching Secondary English
- EDES 487 Methods in Teaching Secondary Science
- EDES 488 Methods in Teaching Secondary Math
- Teaching Performance Assessment (TPA) Task 1 and Task 2 (fee based, 0 semester hour courses)
- EDCE 461 Teaching Performance Assessment 1 Task 1 Subject Specific Pedagogy (in content area)
- EDCE 462 Teaching Performance Assessment 2 Task 2 Designing Instruction

## Enrolling in Student Teaching

In order to be accepted and successfully complete student teaching, all students must comply with the policies and requirements set forth by the School of Education's Clinical Education Department. All student teacher placements will be made by the Clinical Support Services.

Students must clear all Incompletes prior to student teaching  
Students must schedule an appointment with the Academic Advisor

Students must complete the fieldwork application (available from the Academic Advisor) and schedule an interview with the Fieldwork Coordinator.

Enroll in EDCE 412 Secondary Directed Teaching 9-12 *semester hours*.

Enroll in EDCE 463 Teaching Performance Assessment 3 Assessing Learning *0 semester hours* (fee required).

Enroll in EDCE 464 Teaching Performance Assessment 4 Culminating Teaching Experience *0 semester hours* (fee required).

## Application Process for the Preliminary Single Subject Credential

Successful completion of all of the requirements outlined above.

Students must submit an official transcript with the degree posted to the Credential Office in the School of Education.

Complete the Credential application through the School of Education to the Commission on Teacher Credentialing, State of California (additional fee required; see website for more information).

## Professional 2042 Clear Teaching Credential

A student has five years after obtaining the preliminary credential to complete the requirements for the professional clear credential. LMU offers a 2042 Professional Clear Credential Program intended for Catholic and private school teachers who do not have access to a district induction program. For more information, contact the Academic Program Director, Dr. Olga Grimalt, at 310.338.3778.

## Bilingual Authorization

Students who demonstrate proficiency in Spanish or Mandarin may pursue the Bilingual Authorization in addition to the 2042 Single Subject credential.

## **Bilingual Education, M.A. with a Preliminary 2042 Multiple Subjects Credential and Bilingual Authorization**

### Contact Information

**Program Director:** Francisco Ramos

**Academic Advisors:**

Graduate: Terri Taylor

Undergraduate: Michael Cersosimo

### Introduction/Overview

The Master of Arts program emphasizes the preparation of highly qualified elementary school teachers to conduct quality bilingual and intercultural education for a variety of student populations. This combined program fulfills all the requirements for the Master of Arts in Bilingual Education degree and the 2042 Multiple Subjects Preliminary Teaching Credential with a Bilingual Authorization in Spanish or Mandarin.

### Program Admissions Requirements

Minimum language competency in target language (Spanish or Mandarin)

Attendance at an Information Session (for Credential Candidates Only)

Please contact the School of Education Admissions Coordinator to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.

Graduate Application

Candidate Information Sheet

3 Letters of Recommendation

At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.

Letters cannot be written by family members or friends.

Technology Requirement Form

Fingerprint Clearance Form

Statement of Intent

3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).

2 sealed, official transcripts from all colleges and/or universities attended

Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.

Professional Resume

Proof of satisfying California's Basic Skills Requirement

Official CBEST passing scores or equivalent

Subject Matter Competency Test (CSET) Plan of Action

Certificate of Clearance (COC)

Proof of Satisfying the U.S. Constitution Requirement

Tuberculin Skin Test Results

Interview with Program Director

A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:

Transcript evaluations

TOEFL or IELTS minimum score

### Program Requirements

#### Required Coursework

EDUR 5000 Cultural Paradigms of Education *3 semester hours*

EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years *3 semester hours*

EDES 5003 Theories and Policies of Second Language Acquisition *3 semester hours*

EDES 5200 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary Educators *3 semester hours*

EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*

EDES 6200 Elementary School Curriculum and Methods *3 semester hours*

EDES 6202 Teaching Reading for Today's Learners *3 semester hours*

EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy *0 semester hours*

EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction *0 semester hours*

EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning *0 semester hours*

EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience *0 semester hours*

EDCE 5976 Elementary Directed Teaching *6 TO 9 semester hours*

EDES 8000 Health Education *1 semester hour* (fee required)

EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

Choose one of the following courses:

EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*

EDES 6103 Curriculum and Instructional Leadership *3 semester hours*

EDLA 6105 Assessment and Research Methodology *3 semester hours*

EDSS 6390 Lifespan Development *3 semester hours*

And the following three (3) courses in alignment with the target language of the applicant's bilingual authorization:

Spanish

EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*

EDES 5324 Bilingualism and Biliteracy *3 semester hours*

EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

Mandarin

EDES 5324 Bilingualism and Biliteracy *3 semester hours*

EDES 5330 Chinese/American/American Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*

EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

Total: 39 semester hours

Additional Requirements

Prerequisite Coursework  
Student Teaching Requirements  
Bilingual Authorization  
Teaching Performance Assessments  
Health Education for Educators  
Professional Advising  
CSET Score Report  
Disposition Rubric  
MA Coursework  
Fieldwork Application  
CSET LOTE III  
Culminating Fieldwork Requirements  
Comprehensive Examination  
Exit Interview  
Reading Instruction Competence Assessment (RICA)  
Application for Credential  
Application for Master of Arts Degree

## **Bilingual Education, M.A. with a Preliminary 2042 Secondary Credential and Bilingual Authorization**

### Contact Information

**Program Director:** Francisco Ramos

**Academic Advisors:**

Graduate: Terri Taylor

Undergraduate: Michael Cersosimo

### Introduction/Overview

The Master of Arts program emphasizes the preparation of highly qualified elementary school teachers to conduct quality bilingual and intercultural education for a variety of student populations. This combined program fulfills all the requirements for the Master of Arts in Bilingual Education degree and the 2042 Multiple Subjects Preliminary Teaching Credential with a Bilingual Authorization in Spanish or Mandarin.

### Program Admissions Requirements

Minimum language competency in target language (Spanish or Mandarin)

Attendance at an Information Session (for Credential Candidates Only)

Please contact the School of Education Admissions Coordinator to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.

Graduate Application

Candidate Information Sheet

3 Letters of Recommendation

At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.

Letters cannot be written by family members or friends.

Technology Requirement Form

Fingerprint Clearance Form

Statement of Intent

3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).

2 sealed, official transcripts from all colleges and/or universities attended

Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.

Professional Resume  
Proof of satisfying California's Basic Skills Requirement  
Official CBEST passing scores or equivalent  
Subject Matter Competency Test (CSET) Plan of Action  
Certificate of Clearance (COC)  
Proof of Satisfying the U.S. Constitution Requirement  
Tuberculin Skin Test Results  
Interview with Program Director  
A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units  
For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:  
Transcript evaluations  
TOEFL or IELTS minimum score

### Program Requirements

#### Required Coursework

EDUR 5000 Cultural Paradigms of Education 3 *semester hours*  
EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years 3 *semester hours*  
EDES 5003 Theories and Policies of Second Language Acquisition 3 *semester hours*  
EDES 5250 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Secondary Educators 3 *semester hours*  
EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy 0 *semester hours*  
EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction 0 *semester hours*  
EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning 0 *semester hours*  
EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience 0 *semester hours*  
EDCE 5976 Elementary Directed Teaching 6 TO 9 *semester hours*  
EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs 3 *semester hours*  
EDES 6203 Reading and Content Learning in Middle and Secondary Schools 3 *semester hours*  
EDES 6995 Comprehensive Examination 0 *semester hours* (fee required)  
EDES 8000 Health Education 1 *semester hour* (fee required)

One of the following courses that aligns with the subject area emphasis of the credential:

EDES 5251 Methods in Teaching Secondary Languages Other Than English 3 *semester hours*  
EDES 5252 Methods in Teaching Secondary Social Studies 3 *semester hours*  
EDES 5253 Methods in Teaching Secondary English 3 *semester hours*  
EDES 5254 Methods in Teaching Secondary Science 3 *semester hours*  
EDES 5255 Methods in Teaching Secondary Math 3 *semester hours*  
EDES 5256 Methods in Teaching Secondary Art 3 *semester hours*

Choose one of the following courses:

EDUR 6100 Anthropological Analysis of Cultural Diversity 3 *semester hours*

EDES 6103 Curriculum and Instructional Leadership 3  
*semester hours*  
EDLA 6105 Assessment and Research Methodology 3  
*semester hours*  
EDSS 6390 Lifespan Development 3 *semester hours*

And the following three (3) courses in alignment with the target language of the applicant's bilingual authorization:

#### Spanish

EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective 3 *semester hours*  
EDES 5324 Bilingualism and Biliteracy 3 *semester hours*  
EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting 3 *semester hours*

#### Mandarin

EDES 5324 Bilingualism and Biliteracy 3 *semester hours*  
EDES 5330 Chinese/American/American Chinese Cultures: An Interdisciplinary Perspective 3 *semester hours*  
EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings 3 *semester hours*

Total: 39 semester hours

#### Additional Requirements

Prerequisite Coursework  
Student Teaching Requirements  
Bilingual Authorization  
Teaching Performance Assessments  
Health Education for Educators  
Professional Advising  
CSET Score Report  
Disposition Rubric  
MA Coursework  
Fieldwork Application  
CSET LOTE III  
Culminating Fieldwork Requirements  
Comprehensive Examination  
Exit Interview  
Reading Instruction Competence Assessment (RICA)

#### Catholic Inclusive Education, M.A. (Not admitting at this time)

The Master of Arts in Catholic Inclusive Education is designed to prepare teachers and administrators in Catholic schools to become leaders in supporting students with exceptional emphasis on inclusion within the Catholic school context. Some courses may be transferred depending upon the needs of the student.

#### Admission Requirements

The following are required for consideration of admission into the Master of Arts in Catholic Inclusive Education program:

The Graduate Division application and letter of intent, submitted directly to the Graduate Division Office  
Special Education Program application form  
Transcripts: Two sets of official transcripts from all colleges/universities attended. All transcripts should be sent directly to the Graduate Division Office. A Bachelor's degree and a cumulative undergraduate GPA of 2.8; or a 2.85 GPA in the last 60 semester hours of undergraduate

coursework taken; or a 3.0 GPA in at least 9 semester hours of graduate level coursework is required.  
Letter of recommendation from the candidate's principal or supervisor  
Interview with the Director/Assistant Director of the Program

#### Course Requirements

EDES 6103 Curriculum and Instructional Leadership 3  
*semester hours*  
EDLA 6105 Assessment and Research Methodology 3  
*semester hours*  
EDSS 6101 Psychology and Education of Culturally/Linguistically Diverse Students with Exceptional Students 3 *semester hours*  
EDSS 6106 Human Development and Learning 3 *semester hours*  
EDSS 6300 Creating Effective Classrooms 3 *semester hours*  
EDSS 6304 Policies and Issues in Education for Diverse Learners with Disabilities 3 *semester hours*  
EDSS 6821 Informal Assessment and Program Development in Catholic Schools 3 *semester hours*  
EDSS 6822 Creating Successful Inclusion Programs 3 *semester hours*  
EDSS 6823 Advanced Practicum in Catholic Inclusive Education 3 *semester hours*  
EDSS 6995 Comprehensive Examination 0 *semester hours*  
EDUR 6100 Anthropological Analysis of Cultural Diversity 3 *semester hours*

The following thesis option with approval of the Program Director

EDLA 6950 Advanced Research Methods 3 *semester hours*  
EDLA 6951 Advanced Research Design 1 *semester hour*  
EDSS 6956 Master's Thesis II 1 *semester hour*  
EDSS 6957 Master's Thesis III 1 *semester hour*  
EDSS 6995 Comprehensive Examination 0 *semester hours*

#### Educational Studies, M.A.

**Program Director:** Candace Poindexter  
**Assistant Program Director:** Liza Mastroppolito  
**Office Location:** University Hall 2600

This program provides experiences which are tailored to meet the general teaching and curriculum needs of teachers and other professionals. The teaching credential is not required. The candidate for this degree selects coursework centered on his/her goals and objectives. This program allows a maximum flexibility in selecting a course of study for a Master's degree.

#### Admission Requirements

Application to the Master of Arts in the Educational Studies program requires the completion and submission the following:

**Graduate Division Application:** Submitted directly to the Graduate Division Office.

**Transcripts:** Two copies of official transcripts from all colleges/universities attended. These should be sent directly to the Graduate Division Office.

**GPA Requirement:** A minimum cumulative undergraduate GPA of 3.0; or a 3.05 GPA in the last 60 semester units of undergraduate coursework taken; or a 3.0 GPA in at least 9 units of graduate level coursework is required.

#### Statement of Intent

**Educational Studies Program Application:** Available in the School of Education.

**Two Letters of Recommendation:** Forms may be obtained in the School of Education.

**Interview with the Program Director/Assistant Director:** Upon completing the interview, the candidate's application is submitted to the Associate Dean for review and recommendation. Once a recommendation is made, the candidate will receive written correspondence from the School of Education and Graduate Admissions explaining their admission status. Candidates are notified of their admission status approximately two weeks after completing their admission interview with the Academic Program Director/Assistant Director.

## Program Goals

- Candidates will develop an understanding of the interdisciplinary nature of education.
- Candidates will develop and improve the critical thinking skills needed to apply the knowledge and skills learned throughout the program.
- Candidates will acquire and develop the knowledge, skills and perspectives to examine and act upon the ethical and social justice dimensions of schooling.
- Candidates will utilize educational research skills to investigate educational issues and challenges.

## Program Requirements

### Four Core Courses

- EDUR 6100 Anthropological Analysis of Cultural Diversity 3 *semester hours*
- EDES 6103 Curriculum and Instructional Leadership 3 *semester hours*
- EDLA 6105 Assessment and Research Methodology 3 *semester hours*
- EDSS 6390 Lifespan Development 3 *semester hours*

### Electives:

Student selects six additional 5000/6000 level Education classes with approval of Program Director (depending on student's goals), two of which may be in another discipline. At least 18 semester hours of coursework in the total program must be at the 6000 level.

### Comprehensive Assessment

- EDES 6995 Comprehensive Examination 0 *semester hours* (fee required)

## Elementary Education, M.A. with a Preliminary 2042 Multiple Subjects Credential

### Contact Information

**Acting Program Director:** Liza Matrippolito  
**Academic Advisors:**  
Graduate: Terri Taylor  
Undergraduate: Michael Cersosimo

### Introduction/Overview

The combined Multiple Subject Preliminary Credential and Master of Arts in Elementary Education program is designed for graduate students who are seeking teaching positions in grades K-5 or any self-contained classrooms in grades 6-8. The combined program fulfills all the requirements for the Master of Arts in Elementary

Education degree and a California Preliminary 2042 Multiple Subjects Teaching Credential.

## Program Admissions Requirements

### Attendance at an Information Session (for Credential Candidates Only)

Please contact the School of Education Admissions Coordinator to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.

### Graduate Application Candidate Information Sheet 3 Letters of Recommendation

At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.

Letters cannot be written by family members or friends.

### Technology Requirement Form Fingerprint Clearance Form Statement of Intent

3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead)

2 sealed, official transcripts from all colleges and/or universities attended

Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach

### Professional Resume

Proof of satisfying California's Basic Skills Requirement  
Official CBEST passing scores or equivalent

Subject Matter Competency Test (CSET) Plan of Action  
Certificate of Clearance (COC)

Proof of Satisfying the U.S. Constitution Requirement  
Tuberculin Skin Test Results

Interview with Program Director

A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units

For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:

Transcript evaluations  
TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDUR 5000 Cultural Paradigms of Education 3 *semester hours*
- EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years 3 *semester hours*
- EDES 5003 Theories and Policies of Second Language Acquisition 3 *semester hours*
- EDES 5200 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary Educators 3 *semester hours*
- EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy 0 *semester hours*
- EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction 0 *semester hours*
- EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning 0 *semester hours*
- EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience 0 *semester hours*

EDCE 5976 Elementary Directed Teaching 6 TO 9 *semester hours*  
EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs *3 semester hours*  
EDES 6200 Elementary School Curriculum and Methods *3 semester hours*  
EDES 6202 Teaching Reading for Today's Learners *3 semester hours*  
EDES 6995 Comprehensive Examination *0 semester hours*  
EDES 8000 Health Education *1 semester hour* (fee required)

Choose one of the following courses:

EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*  
EDES 6103 Curriculum and Instructional Leadership *3 semester hours*  
EDLA 6105 Assessment and Research Methodology *3 semester hours*  
EDSS 6390 Lifespan Development *3 semester hours*

Total: 33 semester hours

### Additional Program Requirements

Prerequisite Coursework  
Student Teaching Requirements  
Teaching Performance Assessments  
Health Education for Educators  
Professional Advising  
CSET Score Report  
Disposition Rubric  
M.A. Coursework  
Fieldwork Application  
Culminating Fieldwork Requirements  
Comprehensive Examination  
Exit Interview  
Reading Instruction Competence Assessment (RICA)  
Application for Credential  
Application for Master of Arts Degree

### Online Literacy Development for Urban Schools, M.A.

#### Contact Information

**Program Director:** Candace Poindexter  
**Academic Advisor:** Terri Taylor

#### Introduction/Overview

The fully online Master of Arts in Literacy Development for Urban Schools program empowers teachers in urban settings to make an impact on the education of struggling readers. Coursework will focus on strategies that integrate research and theory into practice, whether it is in the classroom or at the district level. Recognizing the diversity of learning styles in the classroom, graduates of this program will gain the skill set to assess learners and adapt curriculum to meet the needs of all students. The program meets the needs of PK-12 classroom teachers nationwide and fits candidates' demanding schedules via its fully online design.

### Program Admissions Requirements

Graduate Application  
Statement of Intent  
2 Letters of Recommendation  
Technology Requirement Form

2 sealed official transcripts from all colleges/universities attended  
Interview with Program Director/Assistant Director  
A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.  
Bachelor's degree  
For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:  
Transcript evaluations  
TOEFL or IELTS minimum score

### Program Requirements

#### Required Coursework

EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*  
EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*  
EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*  
EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*  
EDES 6005 Resourcing and Implementing Technology for Effective Reading *3 semester hours*  
EDES 6006 Literacy Curriculum and Design Implementation *3 semester hours*  
EDES 6007 Critical Analysis of Current Literacy Education in Urban Schools *3 semester hours*  
EDES 6008 Motivating All Readers in the Content Areas *3 semester hours*  
EDES 6009 Evidence-Based Strategies in Reading for Emergent Bilingual Learners *3 semester hours*  
EDLA 6105 Assessment and Research Methodology *3 semester hours*  
EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

Total: 30 semester hours

#### Additional Requirements

Written Comprehensive Exam  
PowerPoint Showcase

### Reading Instruction, M.A.

#### Contact Information

**Program Director:** Candace Poindexter  
**Academic Advisor:** Terri Taylor

#### Introduction/Overview

This program offers an area of specialization in reading instruction. It is a carefully planned sequence of thirty-three semester hours designed to prepare the candidate with professional competencies and skills to more effectively teach and promote literacy skills at the elementary and secondary school levels. This degree is offered as a traditional program or as an online program.

### Program Admissions Requirements

Graduate Application  
Statement of Intent  
2 Letters of Recommendation  
Technology Requirement Form

2 sealed official transcripts from all colleges/universities attended  
Interview with Program Director/Assistant Director  
A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.  
Bachelor's degree  
For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:  
Transcript evaluations  
TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

EDLA 6105 Assessment and Research Methodology 3 semester hours  
EDES 6350 Linguistics and Reading 3 semester hours  
EDES 6351 Assessment in Reading Performance 3 semester hours  
EDES 6352 Seminar: The Reading Professional 3 semester hours  
EDES 6353 Technology and Reading 3 semester hours  
EDES 6354 Reading Development and Instruction 3 semester hours  
EDES 6355 Introduction to Reading Difficulties 3 semester hours  
EDES 6356 Diagnosis and Intervention in Reading—Practicum I 3 semester hours  
EDES 6357 Diagnosis and Intervention in Reading—Practicum II 3 semester hours  
EDES 6358 Research and Trends in Reading Education 3 semester hours  
EDES 6359 Field Experience—The Reading Professional 3 semester hours  
EDES 6995 Comprehensive Examination 0 semester hours (fee based)

Total: 33 semester hours

### Additional Requirements

Written Comprehensive Exam  
PowerPoint Showcase

## Special Education, M.A. with a Preliminary 2042 Education Specialist Credential

### Contact Information

**Acting Program Director:** Diana Limon  
**Academic Advisor:** Danielle West

### Introduction/Overview

The Master of Arts in Special Education combined with the Education Specialist credential prepares candidates from a variety of academic backgrounds to work with students with exceptional needs. Completion of the program results in a Master of Arts degree in Special Education and a preliminary Education Specialist credential. The benefits of this combined M.A. and credential in the area of special education include:

Acquisition of the knowledge and skills needed to create access to learning for students with exceptionalities  
Focus on removing barriers to learning for students with exceptionalities through the lens of social justice

Authentic connection and experience working with students with exceptional needs  
Completion of a combined credential/M.A. program in two years.

## Program Admissions Requirements

Graduate Application  
Candidate Information Sheet  
3 Letters of Recommendation  
At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.  
Letters cannot be written by family members or friends.  
Technology Requirement Form  
Fingerprint Clearance Form  
Statement of Intent  
3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).  
2 sealed, official transcripts from all colleges and/or universities attended  
Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.  
Professional Resume  
Proof of satisfying California's Basic Skills Requirement  
Official CBEST passing scores or equivalent  
Subject Matter Competency Test (CSET) Plan of Action  
Certificate of Clearance (COC)  
Proof of Satisfying the U.S. Constitution Requirement  
Tuberculin Skin Test Results  
Interview with Program Director  
A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units  
For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:  
Transcript evaluations  
TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

EDSS 6600 Evidence-Based Assessment Practices to Promote Student Learning 3 semester hours  
EDSS 6603 Creating and Maintaining Effective Environments in Support of Student Learning 3 semester hours  
EDSS 6606 Developing Collaborative Partnerships for Inclusive Schooling 3 semester hours  
EDSS 6607 Developing as a Professional Educator 2 semester hours  
EDES 8000 Health Education 1 semester hour  
EDCE 5978 Directed Teaching with Students with Mild/Moderate Disabilities 6 semester hours  
EDSS 6608 Research Methods in Special Education 3 semester hours  
EDSS 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities 3 semester hours  
EDSS 6610 Special Topics in Special Education 3 semester hours  
EDSS 6611 Master's Professional Project 3 semester hours

One of the following in alignment with target grade level for credential:

EDSS 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments *3 semester hours*  
EDSS 6602 Language and Literacy in Culturally and Linguistically Secondary Settings *3 semester hours*

And one of the following in alignment with target grade level for credential:

EDSS 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*  
EDSS 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*

Total: 35 semester hours

### Additional Requirements

Prerequisite Coursework  
Student Teaching Requirements  
Health Education for Educators  
Professional Advising  
CSET Score Report  
Disposition Rubric  
M.A. Coursework  
Fieldwork Application  
Culminating Fieldwork Requirements  
Comprehensive Examination  
Exit Interview  
Reading Instruction Competence Assessment (RICA)  
Application for Credential  
Application for Master of Arts Degree

### Elementary Education Minor

Education minors are offered in Elementary Education and Secondary Education. Students may declare a minor in Education so that their Education coursework is acknowledged in their official transcript. Students pursuing a minor must complete 18 semester hours in Education coursework.

In order to maximize enrollment in Education courses within the undergraduate program, students are strongly encouraged to declare the Education minor early in their career. The education minor is not applicable to Liberal Studies majors (Multiple Subject Credential).

**Completion of an Education minor does not equal completion of the requirements for a teaching credential.** Students may complete the Education minor without completing all of the requirements for a teaching credential.

### Admission Requirements

LMU undergraduate students who wish to earn a minor in Elementary Education must do the following in order to apply to the School of Education:

#### 1. Attend an Information Session.

Contact the Center for Undergraduate Teacher Preparation for information at 310.258.8806.

#### 2. Take the required School of Education prerequisite courses:

EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years *3 semester hours*  
EDES 414 Theories and Policies of Second Language Acquisition *3 semester hours*

EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs *3 semester hours*  
EDUR 400 Sociocultural Analysis of Education *3 semester hours*

All 4 prerequisite courses must be completed as part of your School of Education program.

You can only apply to the School of Education after you have completed 3 of the 4 classes, or during the term in which you will complete your 3rd class.

You can begin taking these prerequisite courses in the first semester of your sophomore year.

You must maintain a minimum cumulative 2.8 GPA, and maintain a "B" average in your Education courses as you progress through the program.

### 3. Application

Submit your complete application packet to:  
School of Education Admissions Coordinator  
University Hall, Suite 2100

The following forms and materials are required:

Minor in Elementary and Secondary Education Application Form  
CTC Certificate of Clearance (fingerprint clearance, done via LiveScan)  
Signed Technology Requirement Form  
Tuberculosis Skin Test results (done within the last 12 months).

Application deadlines are: June 15 (Fall), November 15 (Spring), March 15 (Summer).

### 4. Academic Advising

Once admitted, you are required to meet with Teacher Education Academic Advisor, Mike Cersosimo (Michael.Cersosimo@lmu.edu), to discuss course registration and program requirements.

### 5. LiveText

Purchase LiveText. This is required software for all SOE students and should be purchased as soon as you are admitted. For information and detailed help in purchasing and setting up your account, contact [livetexthelp@lmu.edu](mailto:livetexthelp@lmu.edu).

### Additional Coursework

In addition to the 4 prerequisite courses, the following 2 courses must also be taken:

EDES 402 Teaching Reading in Today's Elementary Classrooms *3 semester hours*  
EDES 434 Elementary Curriculum and Methods *3 semester hours*

Total: 18 Semester Hours

### Secondary Education Minor

Education minors are offered in Elementary Education and Secondary Education. Students may declare a minor in Education so that their Education coursework is acknowledged on their official transcript. Students pursuing a minor must complete 18 semester hours in Education coursework.

In order to maximize enrollment in Education courses within the undergraduate program, students are strongly encouraged to declare the Education minor early in their career. The education

minor is not applicable to Liberal Studies majors (Multiple Subject Credential).

**Completion of an Education minor does not equal completion of the requirements for a teaching credential.** Students may complete the Education minor without completing all of the requirements for a teaching credential.

## Admission Requirements

LMU undergraduate students who wish to earn a Minor in Secondary Education must do the following in order to apply to the School of Education:

### 1. Attend an Information Session

Contact the Center for Undergraduate Teacher Preparation for information at 310.258.8806.

### 2. Take the required School of Education prerequisite courses:

- EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years *3 semester hours*
- EDES 414 Theories and Policies of Second Language Acquisition *3 semester hours*
- EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs *3 semester hours*
- EDUR 400 Sociocultural Analysis of Education *3 semester hours*

All 4 prerequisite courses must be completed as part of your School of Education program.

You can only apply to the School of Education after you have completed 3 of the 4 classes, or during the term in which you will complete your 3rd class

You can begin taking these prerequisite courses in the first semester of your sophomore year.

You must maintain a minimum cumulative 2.8 GPA, and maintain a "B" average in your Education courses as you progress through the program.

### 3. Application

Submit your complete application packet to:  
School of Education Admissions Coordinator  
University Hall, Suite 2100

The following forms and materials are required:

- Minor in Elementary and Secondary Education Application Form
- CTC Certificate of Clearance (fingerprint clearance, done via LiveScan)
- Signed Technology Requirement Form
- Tuberculosis Skin Test results (done within the last 12 months)

Application deadlines are: June 15 (Fall), November 15 (Spring), March 15 (Summer).

### 4. Academic Advising

Once you are admitted, you are required to meet with Teacher Education Academic Advisor, Mike Cersosimo (Michael.Cersosimo@lmu.edu), to discuss course registration and program requirements.

### 5. LiveText

Purchase LiveText. This is required software for all SOE students and should be purchased as soon as you are admitted. For

information and detailed help in purchasing and setting up your account, contact [livetexthelp@lmu.edu](mailto:livetexthelp@lmu.edu).

## Additional Coursework

In addition to the 4 prerequisite courses, the following 2 courses must also be taken:

- EDES 403 Reading and Content Learning in Middle and Secondary Schools *3 semester hours*
- EDES 426 Methods in English Language Development and Specially Designed Academic Instruction in English for Secondary Educators *3 semester hours*  
Or 1 of the following subject-specific methodology courses (in addition to EDES 402 or EDES 425):
- ART 455 Methods in Teaching Secondary Art *3 semester hours*
- EDES 485 Methods in Teaching Secondary Social Studies *3 semester hours*
- EDES 486 Methods in Teaching Secondary English *3 semester hours*
- EDES 487 Methods in Teaching Secondary Science *3 semester hours*

**Total: 18 Semester Hours**

## Special Education Minor

**(18 semester hours)**

- EDSS 427 Creating Effective Classrooms in Diverse Settings *3 semester hours*
- EDSS 436 Creating Collaborative Partnerships *3 semester hours*
- EDSS 444 Observation and Participation in General and Special Education Programs *3 semester hours*
- EDSS 453 Introduction to the Study of Disability and Special Education *3 semester hours*
- EDSS 454 Major Issues and Foundations of Special Education *2 semester hours*
- EDSS 455 Development of IEPs for Students with Exceptional Needs *1 semester hour*
- EDSS 498 Special Studies *3 semester hours*

## Specialized Programs in Urban Education

### Faculty

**Chairperson:** Edmundo Edward F. Litton  
**Professors:** Marta Baltodano, Yvette Lapayese, Edmundo Edward F. Litton, Shane P. Martin, Marta Sanchez  
**Associate Professors:** Ernesto Colin, Philip E. Molebash  
**Clinical Associate Professor:** Katharine Clemmer  
**Clinical Assistant Professors:** Lauren Bechtol, Michael Castiglione, Lindsay DeVeney, Amy Huang Ruben, Anita Kreidi, Tatiana Mirzaian  
**Affiliated Faculty:** Wendy Creek, Doris Madrigal, Jody Moody, Shannon Tabaldo

### Contact Information

**Chairperson:** Edmundo F. Litton  
**Phone:** 310.568.6635  
**Location:** University Hall 2600

### Introduction

The Department of Specialized Programs in Urban Education offers credential and Master of Arts degree programs designed for teachers who are employed as the teacher of record in either a private or public school. The Department prepares teachers to work in urban settings where the student population is economically, linguistically, and culturally diverse. Many of the programs housed in

this department are offered in collaboration with notable educational partners such as the Los Angeles Archdiocese, Teach for America, Loyola Law School, and various community and local school partners.

### Admission Requirements

Each specialized program cohort in Urban Education has special admission requirements in addition to the requirements listed in this section. Additional admission requirements for these specialized program cohorts are communicated to applicants during the admission process.

Graduate Application and Fee

Statement of Intent: Applicants must write a 3- to 5-page essay describing how their experience and professional goals are compatible with the Mission and Goals of the School of Education at Loyola Marymount University.

Letters of Recommendation: Applicants must submit letters of recommendation. Some specialized cohort programs ask candidates use specific recommendation forms.

Grade Point Average Requirement: This requirement is met in one of three ways:

A cumulative undergraduate degree GPA of 3.0 or higher

A GPA of 3.0 or higher in the last 60 units of the applicant's undergraduate degree

A GPA of 3.0 or higher obtained in 9 semester hours of graduate work

Applicants who do not meet the GPA requirement will need to file an appeal through the Exceptions Admission process.

Transcripts: Applicants must submit two sets of official transcripts in sealed envelopes with their application. The transcript for the undergraduate degree must show that the undergraduate degree has been conferred. Applicants who have attended more than one college or university must submit transcripts from all colleges or universities attended.

Basic Skills Proficiency Requirement: All credential applicants must meet the California Commission on Teacher Credentialing basic skills requirement. An official passing score on one of the following examinations is required to demonstrate proficiency in basic skills:

The California Basic Skills Examination Test (CBEST)

CSET Multiple Subjects plus Writing Section (for multiple subjects only)

Subject Matter Competency: All credential applicants must meet the California Commission on Teacher Credentialing subject matter requirement. This requirement can be met in the following ways:

Passing score on the appropriate examination in the California Subject Examination for Teachers (CSET)

Completion of an approved subject matter program (for single subject candidates only).

Certificate of Clearance: Candidates must be able to successfully apply for a Certificate of Clearance with the California Commission on Teacher Credentialing prior to teaching full time.

Technology Requirement: Candidates must satisfy the technology requirement through self-verification of basic technology skills or by completion of an approved course.

Interview: Candidates will be asked to schedule an interview with the appropriate program personnel.

Verification of Employment: Applicants must document employment as a full time teacher using the appropriate form provided by the Department.

## MAST Teacher Leader (TL) Certificate

### Introduction

In the CMAST TL Certificate, TLs learn how to demonstrate effective teaching practices, coach their colleagues, and teach their colleagues in Professional Learning Seminars centered around teaching the CCSS and NGSS through Mathematics Learning by Design (MAST MLD) and Engineering Science Inquiry (ESI) at their respective sites and within their organizations. Throughout each course of the certificate, TLs take on more responsibility in leading their colleagues, through a gradual release of responsibility from CMAST faculty to the TL.

CMAST institutionalizes a combination of university classes, professional development seminars, in-class demonstrations, and virtual learning components to train TLs how to analyze student and teacher data, teach students and adults, share leadership with administrators, design STEM curriculum, and collaborate with faculty and community members to create and sustain the MAST MLD and ESI System.

### Eligibility

Teacher leaders who meet the following minimum program criteria are invited to apply:

For Secondary teaching: possess an undergraduate degree with at least a 3.0 GPA in a STEM or STEM-related field.

For Elementary teaching: possess an undergraduate degree with at least a 3.4 GPA and at least 12 units in math and/or science preferred

Possess a minimum of three years classroom teaching experience with demonstrated student achievement

Possess current Clear California Multiple Subjects or Secondary Teaching Credential in Mathematics or Science for grades 7-12 or current Clear California Multiple Subject Teaching Credential

Must be currently teaching

Desire to lead a new generation of effective teachers, commit to utilizing action research to improve practice, and dedicate their energy to uplifting schools that serve children from diverse economic, racial, linguistic, and cultural backgrounds

Demonstrate commitment to ongoing professional learning and openness to feedback and critical conversations that transform mathematics or science practices

Be a transformative teacher and coach for adult learners: able to establish effective relationships with colleagues, committed to leading courageous conversations with colleagues, able to design and implement effective instruction to increase colleagues' learning, and model and facilitate data-informed decision-making keeping students at the core

### Course Requirements

EDUR 5580 Teaching Mathematics and Science in Urban Schools 3 *semester hours*

EDUR 5581 Mentorship in Math and Science Education 3 *semester hours*

EDUR 5582 Collaboration in Math and Science Education 3 *semester hours*

### Master's Option

After successful completion of the MAST TL Certificate, candidates have the option of applying their 12 semester hours towards a Master's in Urban Education (Curriculum, Teaching, and Learning).

19 semester hours of additional coursework required.

## **J.D./M.A. Dual Degree: Doctor of Jurisprudence and Master of Arts in Urban Education (with a Teaching Credential) Degrees**

### **Contact Information**

**Co-Director (School of Education):** Edmundo F. Litton

**Co-Director (Loyola Law School):** Sean Scott

The purpose of the Dual JD/MA Program is to prepare candidates to become educational advocates in various educational settings. The dual degree, will also create opportunities for graduates to advocate for educational equity in non-education settings such as in public policy arenas or courtrooms. Key features of the program will allow candidates to obtain a teaching credential, Master of Arts in Urban Education and a Law degree in 4½ years. The program will also allow a candidate to remain in the classroom beyond the two-year TFA commitment because the JD/MA program is designed for candidates who are working full time. JD/MA Dual Degree graduates can join the workforce in either the education or legal sectors. Moreover, the degree can be used in varied legal disciplines that serve the academic arena.

The goals of the dual degree leading to a Master of Arts in Urban Education and a Doctor of Jurisprudence degree support the goals of the School of Education and Loyola Law School to work collaboratively in a student-centered environment striving to develop professionals who:

- Value and respect all individuals in the classroom
- Promote social justice in urban educational settings by becoming change agents in schools
- Promote cultural responsiveness through pedagogy that validates the gifts that students bring to the classroom
- Integrate theory and practice in pedagogy and leadership
- Seek to change inequitable situations in urban schools as moral, intellectual, responsible, and caring leaders.
- Collaborate and share leadership across various constituents in urban communities.

In addition to the goals identified above, the Law School's goals include developing these professionals who:

- Understand how the law can work in conjunction with other social institutions to challenge structural inequality and promote educational equity.

### **Admission Requirements**

Candidates to the dual degree program must be admitted separately to the School of Education Urban Education program and Loyola Law School. Once admitted to both Schools, a candidate submits an application for the dual degree program. Candidates can submit an application for the dual degree program up to March of the first year of the program or while completing the Year 1 courses in the School of Education for the teaching credential.

Please consult the section for admission to the MA in Urban Education for admission requirements for the School of Education.

Admission requirements for Loyola Law School can be found at <http://www.lls.edu/admissions/jdadmissions/>.

### **Program Requirements**

Students are expected to maintain a minimum 3.0 GPA throughout their LMU programs as well as meet all SOE and LLS policy guidelines for successful progress and completion of their program and degree. LMU/TFA Partnership students take their coursework over a period of two years. Exceptions to the recommended

sequence must be approved by the Program Directors, Department Chairs, and Credential Director.

### **Sample Course Requirements**

**Year 1: School of Education (Credential Classes, total of 17 semester hours)**

Summer (4 semester hours)

EDUR 5010 Theories of Teaching, Learning, and Assessment  
*2 semester hours*

EDSS 5002 Survey of Second Language Acquisition Theories  
*2 semester hours*

Fall Semester (6 semester hours)

EDUR 5014 Multiple Subjects in Curriculum and Instruction 3  
*semester hours or*

EDES 525X Content Area Methodology 3 *semester hours*

EDUR 6998 Special Studies 1 TO 3 *semester hours taken as*  
*Literacy 2 semester hours*

EDCE 5970 Fieldwork 1 1 *semester hour*

Spring Semester (7 semester hours)

EDUR 5012 Culture and Language Learning in Urban  
Education 3 *semester hours*

EDUR 5016 Teaching Students with Special Needs in Urban  
Education 3 *semester hours*

EDCE 5971 Fieldwork 2 1 *semester hour*

**Year 2: Law School (Total of 19 units)**

Summer (0 units)

Fall Semester (10 units)

1L01 Property 5 *units*

1K01 Torts 5 *units*

Spring Semester (9 units)

1B01 Contracts 5 *units*

1J02 Legal Research and Writing 4 *units*

**Year 3: Law School and School of Education (Total of 28 units/semester hours)**

Summer (6 units/semester hours)

EDLA 6427 Advocacy from a Legal Perspective 3 *semester*  
*hours*

4C11 Principles of Social Justice 3 *units*

Fall Semester (11 units)

1J01 Civil Procedure 5 *units*

2C03 Constitutional Law 4 *units*

4I63 Intelligence, Testing, and the Law 2 *units*

Spring Semester (11 units)

4J16 Remedies 4 *units*

1D01 Criminal Law 4 *units*

4I09 Race, Gender, and the Law 3 *units*

**Year 4: Law School and School of Education (Total of 25 units/semester hours)**

Summer (6 units/semester hours)

EDUR 5018 Research in Urban Education *3 semester hours*  
4B02 Law of Sales: Domestic and International *3 units*

Fall Semester (11 units)

2J04 Ethical Lawyering *3 units*  
2J03 Evidence *4 units*  
4D07 Criminal Procedure *4 units*

Spring Semester (11 units)

4H12 Law and Literature *4 units*  
4I25 Family Law *2 units*  
4I53 Special Education and Disability Rights Law *2 units*  
4I24 Employment Law *3 units*

Year 5: Law School and School of Education (Total of 12 units/semester hours)

Summer (1 semester hour)

EDUR 5020 Research Project in Urban Education *1 semester hour*

Fall Semester (11 units)

4L07 Trusts and Wills *4 units*  
4A03 Business Associations *4 units*  
4I65 Law and Sexuality *3 units*

Note:

In the joint program, the MA in Urban Education is modified so that 6 units of coursework come from Loyola Law School. In the traditional MA in Urban Education, in addition to the Education courses listed above, the candidates would have also completed:

EDLA 6428 Business of Education  
EDLA 6429 Specializing in Charter Schools

The following classes in the Loyola Law program will be used to substitute for the two Education classes listed above. The law classes were selected because they meet the learning outcomes of the MA in Urban Education:

4I09 Race, Gender, and the Law  
4I53 Special Education and Disability Rights Law  
4I24 Employment Law

### Urban Education, M.A.

All LMU|TFA Partnership students in Multiple Subjects, Single Subject, or Special Education teaching that are successfully progressing in their teaching credential program requirements are eligible to apply for admission into the Master of Arts in Urban Education degree program. Both the traditional and Early Completion Option program pathways are designed to help meet the program requirements for the Master of Arts in Urban Education degree so that LMU|TFA Partnership students can complete their two-year teaching commitment with TFA and graduate with a credential and Master of Arts degree from LMU. Coursework taken in the teaching credential program, with the exception of Fieldwork and TPAs, can be transferred to the Master of Arts degree program. Candidates may transfer up to 15 semester hours of coursework from their first year and complete the remaining units (a minimum of 16, depending on their program pathway) in their second year. During their MA program coursework, students work alongside a faculty advisor to complete a comprehensive research project of their own design. This culminating research project offers students an opportunity to develop research skills in addition to addressing an

issue of interest in urban education. Students must select one of the four concentrations offered under this degree and complete four courses in their concentration. All students must take the required research methods course in which they begin their project and a culminating 1-semester-hour course in which they finalize it. In addition, students are expected to fully participate in the Urban Education Symposium held in the spring semester. Attendance at the Symposium is required.

### Admission Requirements

Admission into the Master of Arts in Urban Education degree program is contingent on admission into the LMU|TFA Partnership program and successful progression in the teacher credential program coursework. Students must also complete an internal admission application.

### Required Coursework

All students in this degree program must take the following course in order to begin their culminating research project:

EDUR 5018 Research in Urban Education *3 semester hours*

Students must also take the following course in order to complete their research project:

EDUR 5020 Research Project in Urban Education *1 semester hour*

Note:

In addition to these courses, students must select a concentration and take the four courses (3 semester hours each) listed under each concentration. Students completing the Early Completion Option program pathway must take an additional elective course (3 semester hours), to be selected under advisement and approval from the Program Director. Exceptions to the recommended sequence must be approved by the Program Director and Department Chair.

### Master of Arts in Urban Education Concentrations

#### Digital Learning:

This concentration explores the role of technology in teaching and learning in urban schools. It is designed for candidates who would like to explore the role of technology in teaching and learning. Candidates develop skills to integrate technology into teaching, question the role of technology in promoting equity in society, and learn how to use technology to work with students with special needs.

In addition to EDUR 5018 and EDUR 6995 or EDUR 5020, candidates in this concentration take the following courses:

EDUR 6324 Technology in Multilingual Settings *3 semester hours*  
EDUR 6327 Learning and Teaching with Technology *3 semester hours*  
EDUR 6328 Survey of Digital Technologies for Urban Education *3 semester hours*

#### Educational Policy and Administration

Candidates in this concentration learn about administrative practices that promote effective teaching and learning in urban education. Candidates also study federal and state policies in education. Candidates who wish to become leaders in Catholic schools can be offered in discussion with the Program Director. This concentration is offered in collaboration with the Administration Program in the Department of Educational Leadership and has developed in response to Teach for America's request and data, which shows that many TFA alumni become administrators in charter schools. The courses in this concentration also allow candidates to have a deeper understanding of American education and this knowledge can help candidates become advocates for social justice even if they are working in non-education fields.

In addition to EDUR 5018 and EDUR 6995 or EDUR 5020, candidates in this concentration take the following courses:

EDUR 6102 The Context of Schooling *3 semester hours*  
EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*  
EDLA 6428 Business of Education *3 semester hours*  
  
EDLA 6429 Specializing in Charter Schools *3 semester hours*  
or  
EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*

## Language and Culture

The Language and Culture concentration is offered in collaboration with the Bilingual/Bicultural Programs within the Department of Elementary and Secondary Education. Candidates in this concentration have the option of studying for a bilingual authorization (in Spanish or Mandarin) for their Preliminary credential.

In addition to EDUR 5018 and EDUR 6995 or EDUR 5020, candidates in this concentration take the following courses:

EDES 5324 Bilingualism and Biliteracy *3 semester hours*  
  
EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours* or  
EDES 6350 Linguistics and Reading *3 semester hours*

Plus two of the following, according to their language specialization:

### Spanish Specialization

EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*  
EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

### Mandarin Specialization

EDES 5330 Chinese/American/American Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*  
EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

## Literacy:

The Literacy concentration is designed for candidates interested in studying literacy practices effective in urban settings. This concentration is offered in collaboration with the Literacy Program in the Department of Elementary and Secondary Education.

In addition to EDUR 5018 and EDUR 6995 or EDUR 5020, candidates in this concentration take the following courses:

EDES 6350 Linguistics and Reading *3 semester hours*  
EDES 6355 Introduction to Reading Difficulties *3 semester hours*  
EDES 6356 Diagnosis and Intervention in Reading—Practicum I *3 semester hours*  
EDES 6103 Curriculum and Instructional Leadership *3 semester hours*

## Other Programs

### CMAST Teacher Leader (TL) Certificate

#### Introduction

In the CMAST TL Certificate, TLs learn how to demonstrate effective teaching practices, coach their colleagues, and teach their colleagues in Professional Learning Seminars centered around teaching the CCSS through MAST at their respective sites and within their organizations. Throughout each course of the certificate, TLs take on more responsibility in leading their colleagues, through a gradual release of responsibility from CMAST faculty to the TL.

CMAST institutionalizes a combination of university classes, professional development seminars, in-class demonstrations, and virtual learning components to train TLs how to analyze student and teacher data, teach students and adults, share leadership with administrators, design STEM curriculum, and collaborate with faculty and community members to create and sustain the MAST System.

#### Eligibility

Teacher leaders who meet the following minimum program criteria are invited to apply:

For Secondary teaching: possess an undergraduate degree with at least a 3.0 GPA in a STEM or STEM-related field.  
For Elementary teaching: possess an undergraduate degree with at least a 3.4 GPA and at least 12 units in math and/or science preferred

Possess a minimum of three years classroom teaching experience with demonstrated student achievement

Possess current Clear California Multiple Subjects or Secondary Teaching Credential in Mathematics or Science for grades 7-12 or current Clear California Multiple Subject Teaching Credential

Must be currently teaching

Desire to lead a new generation of effective teachers, commit to utilizing action research to improve practice, and dedicate their energy to uplifting schools that serve children from diverse economic, racial, linguistic, and cultural backgrounds

Demonstrate commitment to ongoing professional learning and openness to feedback and critical conversations that transform mathematics or science practices

Be a transformative teacher and coach for adult learners: able to establish effective relationships with colleagues, committed to leading courageous conversations with colleagues, able to design and implement effective instruction to increase colleagues' learning, and model and facilitate data-informed decision-making keeping students at the core

## Course Requirements

EDUR 5580 Teaching Mathematics and Science in Urban Schools *3 semester hours*

EDUR 5581 Mentorship in Math and Science Education 3  
semester hours  
EDUR 5582 Collaboration in Math and Science Education 3  
semester hours  
EDUR 5583 Mentorship in Math and Science Education

## Master's Option

After successful completion of the MAST TL Certificate, candidates have the option of applying their 12 semester hours towards a Master's in Urban Education (Curriculum, Teaching, and Learning).

19 semester hours of additional coursework required.

## CMAS—Center for Math and Science Teaching

### Contact Information

**Director:** Phillip Molebash  
**Location:** University Hall 2600

### Introduction

CMAS is dedicated to strengthening science, technology, engineering, mathematics (STEM) and STEM-related fields by transforming the teaching and learning of mathematics and science.

Loyola Marymount University's Center for Math and Science Teaching (CMAS) provides a national model for middle schools, high schools, and universities to transform math and science education using measurable, data-driven results connected to student engagement and achievement. CMAS is currently implementing the Los Angeles Math and Science Residency (LAMS), a teacher residency program focused on training math and science teachers in urban schools. CMAS also partners with organizations and districts across the spectrum of public, charter, and Catholic schools.

CMAS's goals are:

- Creating a professional learning community comprised of faculty, teachers, administrators, parents, students, and community members dedicated to increasing student engagement and achievement in mathematics and science
- Finding and sharing solutions that increase the number of students who pursue science, technology, engineering, mathematics, and science and mathematics teaching as careers
- Building teacher retention by providing opportunities for shared leadership between transformational teacher leaders, administrators, and parents
- Designing, strengthening, and sharing best practices in teaching and learning to improve teacher quality and college-readiness

### Intern/Practitioner Program

#### Contact Information

**Director:** Edmundo Edward F. Litton  
**Telephone:** 310.338.1768 (Public School Teachers)  
or 310.338.5719 (Private/Catholic School Teachers)  
**Location:** University Hall 1300 (Public School Teachers) or  
University Hall 1760 (Private/Catholic School Teachers)

## Master of Arts (with a Preliminary 2042 Multiple Subjects Credential)

The combined Multiple Subject Preliminary Credential and Master of Arts in Elementary Education program is designed for graduate

students who are currently contracted to teach in grades K-5 or any self-contained classroom in grades 6-8 in either public or private schools. A student successfully completing the program is eligible to receive a Master of Arts in Elementary Education as well as be able to apply for a California Preliminary Multiple Subject Credential. Application and admissions procedures vary based on the selected cohort program.

### Intern Credential Requirements

Eligibility for the Intern Credential is determined by the following guidelines set forth by the California Commission on Teacher Credentialing (CCTC):

- Original approved Basic Skills Proficiency examination score report with passing score
- Original CSET score report with passing score
- Verification the U.S. Constitution requirement has been met
- Undergraduate degree posted on official transcripts
- Verification of employment
- Two-year academic program
- Certificate of Clearance (fingerprint application and fee)
- Application for credential and fee

Once candidates have satisfied the above guidelines, an application for the intern credential is available through the Program Director or Department Chair. Please schedule an appointment with the Program Director of Department Chair. The California Commission on Teacher Credentialing (CCTC) is responsible for the awarding of the University Intern Credential.

**Intern Candidate:** A candidate following this path is employed full-time at a public school in a district that has a partnership with LMU. The candidate takes courses while teaching full-time. This employment status, along with additional supervision in the classroom provided through LMU, fulfills the field requirements of the credential. Candidates seek out their own employment as Interns unless the candidates are in a cohort program where placement is facilitated through the program (e.g., Teach for America). The Intern must be employed to teach at least 60% in the area of the credential, and the contract must state that the teacher is contracted to teach in the subject/grade in which the candidate is seeking a credential. It is necessary that the student hold a University Intern credential in order to be enrolled in the Intern program.

**Teacher Practitioner Candidate:** Teacher practitioner candidates are employed full-time at a private or Catholic school. The candidates take courses while teaching full-time. This employment status, along with additional supervision in the classroom provided through LMU, fulfills the requirements of the credential. There is an additional requirement of 60 observation hours in a public school setting required to meet the credential requirements (see Program Director for details). Candidates seek out their own employment as a Teacher Practitioner unless the candidate is part of a cohort program (e.g., Partners in Los Angeles Catholic Education-PLACE; Los Angeles) where placement is facilitated through the cohort program. The teacher practitioner must be employed to teach at least 60% in the subject/grade of the credential.

### Provisional Admission Requirements

All requirements must be met to be eligible for an admissions interview. All application requirements must be met.

**Verification of Employment:** Candidates must submit a signed Verification of Employment form. The candidate must be employed by a School District that holds a partnership agreement with Loyola Marymount University.

**CSET:** Must submit official passing score report to the Academic Advisor (Intern Candidates only)

**Interview with the Program Director:** Upon submission of all application requirements, applicant will be contacted for an interview.

## Formal Admission Requirements

**Program Advising:** All candidates must meet with the Program Director to complete a course sequence and receive program information.

**Prerequisite Courses:** Candidates must complete the following courses with a grade of "B" (3.0) or better:

EDCE 5970 Fieldwork 1 *1 semester hour*

EDSS 5002 Survey of Second Language Acquisition Theories *2 semester hours*

EDCE 5971 Fieldwork 2 *1 semester hour*

EDES 6200 Elementary School Curriculum and Methods *3 semester hours*

EDUR 6960 Introduction to Teaching and Learning *3 semester hours*

Candidates must complete two of the following four courses with a grade of "B" (3.0) or better:

EDUR 5000 Cultural Paradigms of Education *3 semester hours*

EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years *3 semester hours*

EDES 5003 Theories and Policies of Second Language Acquisition *3 semester hours*

EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs *3 semester hours*

**Disposition Rubric Score:** Candidate chooses a professor of one of the four pre-requisite courses to complete the Disposition Rubric and submits the score to the Academic Advisor.

**Professional Advising:** Candidate schedules an appointment with the Academic Program Director/Assistant Director.

## Teacher Admission and Advisory Committee (TAAC) Review

After the requirements for provisional and formal admission have been completed, the candidate's file will be submitted to TAAC for review. It is the candidate's responsibility to ensure that all items have been completed, including the resolution of any Incomplete grades received in the prerequisite courses. Candidates will be notified of the committee's decision in writing.

*Note: All documents become property of the University and will not be released to any person or institute unless required by law.*

## Program Requirements

**Candidates will need to complete the following** prior to enrolling in EDUR 6961, TPA 3, and TPA 4:

Complete the remaining courses below with a grade of "B" (3.0) or better:

EDUR 5000 Cultural Paradigms of Education *3 semester hours*

EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years *3 semester hours*

EDES 5003 Theories and Policies of Second Language Acquisition *3 semester hours*

EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs *3 semester hours*

Complete both of the following courses with a grade of "B" (3.0) or better:

EDES 5200 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary Educators *3 semester hours*

EDES 6201 Foundations of Elementary Literacy Instruction *3 semester hours*

**Teaching Performance Assessments:** Tasks 1 and 2 (two zero-semester-hour courses with associated fees):

EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy *0 semester hours*

EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction *0 semester hours*

**Health Education for Educators:** Candidates may satisfy the Health Education requirement in one of the following ways:

Successful completion of EDES 8000

Successful completion of a 2042 approved course through another institution. It is recommended that the candidate obtain approval from the School of Education Credential Office prior to taking class. Official transcripts must be submitted as evidence of course completion.

**Professional Advising:** Schedule an appointment with the Program Director.

**CSET Score Report:** Original score report verifying 100% successful completion of all elements of the CSET.

**Disposition Rubric Score:** The professor for EDES 6201 will submit a score to the Program Director.

**Fieldwork Application:** Candidates must complete the fieldwork application and violation affidavit with the Academic Advisor. They must then schedule an interview with the Coordinator of Clinical Education.

**Verification of Employment:** Candidates must submit a signed verification of employment form prior to enrollment into EDUR 6961.

**Teacher Advisory Review Committee (TARC):** After all the steps outlined above have been completed, the candidate's file will be submitted to the Teacher Advisory Review Committee (TARC) for review. It is the candidate's responsibility to ensure that all items have been completed, including the resolution of any Incomplete grades received in any courses. Candidates will be notified of the committee's decision in writing.

## Culminating Fieldwork Requirements

EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching *3 semester hours*

TPA Tasks 3 and 4: Two zero-semester-hour courses with associated fees.

EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning *0 semester hours*

EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience *0 semester hours*

## Additional Coursework Required for the Master of Arts Degree

*OPTION 1: Elementary Education*

**Choose one of the following courses and complete with a 3.0 or better:**

EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*

EDES 6103 Curriculum and Instructional Leadership *3 semester hours*

EDLA 6105 Assessment and Research Methodology *3 semester hours*

EDSS 6106 Human Development and Learning *3 semester hours*

**Complete EDUR 6995 Comprehensive Examination in Elementary Education:** Fee required.

*OPTION 2: Literacy and Language Arts*

The Master of Arts in Literacy and Language Arts combined with the 2042 Preliminary Multiple Subjects or Single Subject Teaching Credential offers the opportunity for a graduate student to receive both a preliminary teaching credential and a Master of Arts degree. Candidates who initially applied for admission to the credential

program only must add the Master of Arts degree prior to the pre-fieldwork assessment.

### **Program Requirements**

#### **All 2042 Preliminary Multiple Subjects Teaching Credential courses**

##### **Additional Required Coursework**

EDES 6355 Introduction to Reading Difficulties 3 *semester hours*

EDES 6356 Diagnosis and Intervention in Reading—Practicum I 3 *semester hours*

**Comprehensive Assessment:** Candidates meet with the program director to discuss their timeline and enrollment in either the comprehensive exam or the thesis project series.

EDES 6995 Comprehensive Examination 0 *semester hours* (fee required) Literacy *or*

Thesis Option (See program director for detailed course sequence)

### **Exit Interview**

The candidate must schedule an exit interview with the Academic Program Director. The exit interview must be completed prior to submitting an application for a credential and Master of Arts degree.

### **Application for Credential**

When all requirements have been completed, candidates must complete an application for a preliminary teaching credential (additional fee required, see SOE website for more information).

### **Reading Instruction Competence Assessment (RICA)**

After completing EDES 6201 Foundations of Elementary Literacy Instruction, candidates are required to take, pass, and submit an original score report of the RICA to the School of Education prior to the completion of their student teaching.

### **Application for Master of Arts Degree**

When all requirements have been completed, candidates must complete an application for a Master's degree with the Office of the Registrar.

### **Clear 2042 Multiple Subjects Credential**

Candidates have five years after obtaining their preliminary credential in which to complete the requirements for a professional clear credential. LMU offers an approved Professional 2042 Clear Credential Program for those teachers who do not have access to an induction program at their school site. See Professional 2042 Clear Teaching Credential in the Department of Elementary and Secondary Education in this Bulletin for more information.

### **Master of Arts (without Credential)**

This program is designed for practitioners who do not successfully pass the CSET prior to EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching. Instead, candidates must complete all of the requirements detailed above for Provisional Admission, Formal Admission and Student Teaching requirements. Culminating Fieldwork Experience and Additional Coursework Required for the Master of Arts Degree are replaced with the following:

### **OPTION 1: Elementary Education**

#### **Choose two of the following courses and complete with a B (3.0) or better:**

EDUR 6100 Anthropological Analysis of Cultural Diversity 3 *semester hours*

EDES 6103 Curriculum and Instructional Leadership 3 *semester hours*

EDLA 6105 Assessment and Research Methodology 3 *semester hours*

EDSS 6106 Human Development and Learning 3 *semester hours*

Students in specialized cohort programs may take an Education elective selected by the Program Director or Department Chair.

**2. Complete EDES 6995 Comprehensive Examination 0 semester hours in Elementary Education:** Fee required

### **OPTION 2: Literacy and Language Arts**

### **Program Requirements**

#### **All 2042 Preliminary Single Subject Teaching Credential courses**

##### **Additional Required Coursework**

EDES 6355 Introduction to Reading Difficulties 3 *semester hours*

EDES 6356 Diagnosis and Intervention in Reading—Practicum I 3 *semester hours*

**Comprehensive Assessment:** Candidates meet with the program director to discuss their timeline and enrollment in either the comprehensive exam or the thesis project series.

EDES 6995 Comprehensive Examination 0 *semester hours* (fee required) Literacy *or*

Thesis Option (See Program Director for detailed course sequence).

If the candidate successfully passes all sections of the CSET within 5 years, the candidate can complete the credential by completing an exit interview with the Program Director and submitting an application for a credential.

### **Exit Interview**

The candidate must schedule an exit interview with the Program Director/Assistant Director. The exit interview must be completed prior to submitting an application for a credential and Master of Arts degree.

### **Application for Credential**

When all requirements have been completed, candidates must complete an application for a preliminary teaching credential (additional fee required, see SOE website for more information).

### **Application for Master of Art Degree**

Candidates must complete an application for a Master of Arts degree with the Office of the Registrar the semester prior to the completion of degree requirements.

### **Master of Arts (with a Preliminary 2042 Single Subject Credential)**

The combined Single Subject Preliminary Credential and Master of Arts in Secondary Education program is designed for graduate students who are seeking teaching positions in grades 9-12, or in 6-8 school settings that require teachers to teach in departments (Traditional Secondary Candidate) or students who are currently contracted to teach in grades 9-12, or in 6-8 school settings that require teachers to teach in departments (Intern/Practitioner Secondary Candidate). A student successfully completing this program will be eligible to receive a Master of Arts in Secondary Education as well as be able to apply for a California Preliminary Single Subject Credential.

The following Single Subject Preliminary credentials are offered through the School of Education:

Art  
Biology  
Chemistry  
Earth Science  
English  
Mathematics  
Social Science  
Spanish

## Intern/Practitioner Candidates

Intern Candidate: A candidate following this path is employed full-time at a public school in a district that has a partnership with LMU. The candidate takes courses while teaching full-time. This employment status, along with additional coaching in the classroom provided through LMU, fulfills the field requirements of the credential. Candidates seek out their own employment as interns unless the candidates are in a cohort program where placement is facilitated through the program (e.g., Teach for America). The intern must be employed to teach at least 60% in the area of the credential, and the contract must state that the teacher is contracted to teach in the subject/grade in which the candidate is seeking a credential.

It is necessary that the student hold a University intern credential in order to be enrolled in the intern program.

## University Intern Credential Requirements

Eligibility for the University Intern Credential is determined by the following guidelines set forth by the California Commission on Teacher Credentialing (CCTC):

- Original CBEST score report with passing score
- Original CSET score report with passing score
- Verification the U.S. Constitution requirement has been met
- Undergraduate degree posted on official transcripts
- Verification of employment
- Two-year academic program completion plan
- Certificate of Clearance (fingerprint application and fee)
- Application for credential and fee

Once candidates have satisfied the above guidelines, an application for the intern credential is available through the Program Director or Department Chair. The California Commission on Teacher Credentialing (CCTC) is responsible for the awarding of the University Intern Credential.

**Teacher Practitioner Candidates:** Teacher practitioner candidates are employed full-time at a private or Catholic school. The candidates take courses while teaching full-time. This employment status, along with additional supervision in the classroom provided through LMU, fulfills the requirements of the credential. There is an additional requirement of 60 observation hours in a public school setting required to meet the credential requirements (see Academic Program Advisor for details). Candidates seek out their own employment as a Teacher Practitioner unless the candidate is enrolled in a cohort program (e.g., PLACE) where placement is facilitated through the cohort program. The teacher practitioner must be employed to teach at least 60% in the subject/grade of the credential.

## Provisional Admission Requirements

**Verification of Employment:** Candidates must submit a signed Verification of Employment form. The candidate must be employed by a School District that holds a partnership agreement with Loyola Marymount University.

**Subject Matter Competency (for Intern Candidates only):** Candidates must demonstrate mastery of the required subject matter by either passing the appropriate California Subject Exam Test (CSET) OR by completing a 2042 approved subject matter program. Either option needs to be completed and verified prior to enrollment in EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching and TPA 3 and TPA 4.

**CSET Option:** Candidates will provide a written statement documenting when the CSET will be taken. Candidates must provide an original passing score report to the School of Education prior to enrollment in EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching and TPA 3 and TPA 4.

2042 Approved Subject Matter Program: Candidates must complete a 2042 approved Subject Matter Program. Candidates must provide a written statement on when the subject matter coursework will be completed. Candidates will provide a letter verifying 100% completion of the subject matter requirement prior to enrollment in EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching and TPA 3 and TPA 4.

## Interview with the Elementary/Secondary Academic

**Program Director/Assistant Director:** Upon submission of all application requirements, applicant will be contacted for an interview.

**Advisement:** Immediately upon being provisionally admitted, the student must schedule an appointment with the Program Director or Department Chair.

## Formal Admission Requirements

**Academic Advising:** All candidates must meet with the Program Director to complete a course sequence.

**Prerequisite Courses:** Candidates must complete the following courses with a grade of "B" (3.0) or better:

- EDSS 5002 Survey of Second Language Acquisition  
Theories 3 semester hours
- EDCE 5970 Fieldwork 1 3 semester hours
- EDCE 5971 Fieldwork 2 3 semester hours
- EDUR 6960 Introduction to Teaching and Learning 3 semester hours

Candidates must complete two of the following four courses with a grade of "B" (3.0) or better:

- EDUR 5000 Cultural Paradigms of Education 3 semester hours
- EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years 3 semester hours
- EDES 5003 Theories and Policies of Second Language Acquisition 3 semester hours
- EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs 3 semester hours

Candidates must complete one of the following courses, depending on subject emphasis of the credential:

- EDES 5251 Methods in Teaching Secondary Languages Other Than English 3 semester hours
- EDES 5252 Methods in Teaching Secondary Social Studies 3 semester hours
- EDES 5253 Methods in Teaching Secondary English 3 semester hours
- EDES 5254 Methods in Teaching Secondary Science 3 semester hours
- EDES 5255 Methods in Teaching Secondary Math 3 semester hours
- EDES 5256 Methods in Teaching Secondary Art 3 semester hours

**Disposition Rubric Score:** Candidate chooses a professor of one of the four prerequisite courses to complete the Disposition Rubric and submits the score to the Program Advisor.

**Professional Advising:** Candidate schedules an appointment with Academic Program Director/Assistant Director.

## Teacher Admission and Advisory Committee (TAAC)

**Review:** After the requirements for provisional and formal admission have been completed, the candidate's file will be submitted to TAAC for review. It is the candidate's responsibility to ensure that all items have been completed, including the resolution of any Incomplete grades received in the prerequisite courses. Candidates will be notified of the committee's decision in writing.

*Note: All documents become property of the University and will not be released to any person or institution unless required by law.*

## Program Requirements

Candidates will need to complete the remaining courses with a grade of "B" (3.0) or better prior to enrolling in EDUR 6961, TPA 3, and TPA 4:  
EDUR 5000 Cultural Paradigms of Education 3 semester hours  
EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years 3 semester hours  
EDES 5003 Theories and Policies of Second Language Acquisition 3 semester hours  
EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs 3 semester hours

Complete both of the following courses with a grade of "B" (3.0) or better:

EDES 5250 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Secondary Educators 3 semester hours  
EDES 6250 Improvement of Literacy in the Single Subject Classroom 3 semester hours

**Teaching Performance Assessments:** Tasks 1 and 2 (two zero-semester-hour courses with associated fees):

EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy 0 semester hours  
EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction 0 semester hours

**Health Education for Educators:** Candidates may satisfy the Health Education requirement in one of the following ways:

successful completion of EDES 8000  
successful completion of a 2042 approved course through another institution. It is recommended that the candidate obtain approval from the School of Education Credential Office prior to taking class. Official transcripts must be submitted as evidence of course completion.  
original score report verifying 100% successful completion of all elements of the CSET, OR  
letter verifying 100% completion of the subject matter coursework from a 2042 approved program.

**4. Disposition Rubric Score:** The professor for EDES 6250 will submit a score to the Program Director.

**5. Fieldwork Application:** Candidates must complete the fieldwork application and violation affidavit with the Academic Advisor. They must then schedule an interview with the Coordinator of Clinical Education.

**6. Teacher Advisory Review Committee (TARC):** After all the steps outlined above have been completed, the candidate's file will be submitted to the Teacher Advisory Review Committee (TARC) for review. It is the candidate's responsibility to ensure that all items have been completed, including the resolution of any Incomplete grades received in any courses. Candidates will be notified of the committee's decision in writing.

## Culminating Fieldwork Requirements

Enroll in Fieldwork:  
EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching 3 semester hours

Enroll in TPA Tasks 3 and 4: Two zero-semester-hour courses with associated fees:

EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning 0 semester hours  
EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience 0 semester hours

## Additional Coursework Required for the Master's Degree

*OPTION 1: Secondary Education*

Choose one of the following courses and complete with a grade of "B" (3.0) or better:

EDUR 6100 Anthropological Analysis of Cultural Diversity 3 semester hours  
EDES 6103 Curriculum and Instructional Leadership 3 semester hours  
EDLA 6105 Assessment and Research Methodology 3 semester hours  
EDSS 6106 Human Development and Learning 3 semester hours

Complete EDES 6995 Comprehensive Examination (fee required).

### *OPTION 2: Literacy and Language Arts*

The Master of Arts in Literacy and Language Arts combined with the 2042 Preliminary Multiple Subjects or Single Subject Teaching Credential offers the opportunity for a graduate student to receive both a preliminary teaching credential and a Master of Arts degree. Candidates who initially applied for admission to the credential program only must add the Master of Arts degree prior to the pre-fieldwork assessment.

## Program Requirements

All 2042 Preliminary Single Subject Teaching Credential courses

Additional Required Coursework

EDES 6355 Introduction to Reading Difficulties 3 semester hours

EDES 6343 Diagnosis and Intervention in Reading Practicum I 3 semester hours

3. Comprehensive Assessment: Candidates meet with the program director to discuss their timeline and enrollment in either the comprehensive exam or the thesis project series.

EDES 6995 Comprehensive Examination: Literacy (fee required)

or

Thesis Option (See program director for detailed course sequence)

## Exit Interview

The candidate must schedule an exit interview with the Program Director/Assistant Director. The exit interview must be completed prior to submitting an application for a credential and Master of Arts degree.

## Application for Credential

When all requirements have been completed, candidates must complete an application for a preliminary teaching credential (additional fee required, see SOE website for more information).

## Application for Master of Arts Degree

Candidates must complete an application for a Master of Arts degree with the Office of the Registrar the semester prior to the completion of degree requirements.

## 2042 Single Subject Credential Only

This program is designed for intern/practitioner candidates who are only interested in seeking a credential. Candidates must complete all of the requirements detailed above for Provisional Admission, Formal Admission, Culminating Fieldwork Experience, Exit Interview, and Application for Master's Degree.

## Clear 2042 Single Subject Credential

Candidates have five years after obtaining their preliminary credential in which to complete the requirements for a professional clear credential. LMU offers an approved Professional 2042 Clear Credential Program for those teachers who do not have access to

an induction program at their school site. See Professional 2042 Clear Teaching Credential in this Bulletin for more information.

### **Master of Arts (without Credential)**

This program is designed for practitioners who do not successfully pass the CSET prior to enrollment in EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching. Instead, candidates must complete all of the requirements detailed above for Provisional Admission, Formal Admission, and Program Requirements.

#### *OPTION 1: Secondary Education*

Choose two of the following courses and complete with a grade of "B" (3.0) or better:

EDUR 6100 Anthropological Analysis of Cultural Diversity 3  
*semester hours*

EDES 6103 Curriculum and Instructional Leadership 3  
*semester hours*

EDLA 6105 Assessment and Research Methodology 3  
*semester hours*

EDSS 6106 Human Development and Learning 3  
*semester hours*

Complete EDES 6995 Comprehensive Examination in  
Secondary Education (fee required).

#### *OPTION 2: Literacy and Language Arts*

The Master of Arts in Literacy and Language Arts combined with the 2042 Preliminary Multiple Subjects or Single Subject Teaching Credential offers the opportunity for a graduate student to receive both a preliminary teaching credential and a Master of Arts degree. Candidates who initially applied for admission to the credential program only must add the Master of Arts degree prior to the pre-fieldwork assessment.

### **Program Requirements**

All 2042 Preliminary Single Subject Teaching Credential courses.

Additional Required Coursework

EDES 6342 Diagnosing and Developing Literacy Skills 3  
*semester hours*

EDES 6343 Practicum in Diagnosing and Developing Literacy Skills 3  
*semester hours*

Comprehensive Assessment: Candidates meet with the program director to discuss their timeline and enrollment in either the comprehensive exam or the thesis project series.

EDES 6995 Comprehensive Examination: Literacy (fee required)

or

Thesis Option (See Program Director for detailed course sequence)

If the candidate successfully passes all sections of the CSET within 5 years or completes 100% of the required coursework from a 2042 approved program, the candidate can complete the credential by completing an exit interview with the Academic Program Director and submitting an application for a credential.

### **LMU|LA CAST: Los Angeles Catholic Archdiocesan School Teachers**

#### **Contact Information**

**Director:** Edmundo Litton

**Academic Affairs Associate:** Delmy Ruiz

**Telephone:** 310.338.5719

**Location:** University Hall 1760

#### **Introduction**

The LMU|LA CAST program is offered in the School of Education through a partnership with the Department of Catholic Schools of the Archdiocese of Los Angeles. Candidates in the program are able to complete a Master of Arts Degree and a State of California 2042 Preliminary Teaching Credential. The LMU|LA CAST program is an important professional development opportunity for educators employed in Catholic Schools within the Archdiocese of Los Angeles. Some of the unique features of the program include:

Saturday classes

Classes are taught in a hybrid format (traditional classes combined with on-line classes)

Substantial scholarships are offered

Candidates have the opportunity to collaborate with other Catholic school teachers

Candidates are required to infuse technology in teaching and learning

### **Admission Requirements**

To be eligible for the LMU|LA CAST program, candidates must meet the following requirements:

All the admission requirements outlined in the sections for teaching credentials in Multiple and Single subjects for University Interns and Teacher Practitioners

Candidates must be a full-time teacher or administrator in a Catholic school in the Archdiocese of Los Angeles.

Administrators (e.g., Vice Principal, Principal) must be able to teach at least part-time while enrolled in the LMU|LA CAST program. Teacher aides or pre-school teachers are not eligible for the LMU|LA CAST program.

Candidates must attend information sessions held in the fall (for Spring admission) and in the spring (for Fall admission). Information on these sessions is given to principals of Catholic schools and is also available from the School of Education.

All candidates complete the program as a cohort and must be able to commit to the two-year program. Candidates must sign a contract agreeing to program conditions prior to starting the LMU|LA CAST program.

Candidates are required to use Apple technology.

Requirements change by year and are shared at the information sessions.

### **Course Requirements for the LMU|LA CAST Program**

#### **Multiple and Single Subject Candidates**

EDUR 5000 Cultural Paradigms of Education 3 *semester hours*

EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years 3 *semester hours*

EDES 5003 Theories and Policies of Second Language Acquisition 3 *semester hours*

EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs 3 *semester hours*

EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching 3 *semester hours*

EDCE 5970 Fieldwork 1 1 *semester hour*

EDCE 5971 Fieldwork 2 1 *semester hour*

EDES 8000 Health Education 1 *semester hour*

EDUR 6995 Comprehensive Examination 0 *semester hours*

Note:

Completion of the Teaching Performance Assessment (TPAs) is required.

Two School of Education electives are selected by the Director. Candidates who do not take EDUR 6961 must take an additional elective.

### Multiple Subjects Candidates Only

EDES 5200 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary Educators 3 *semester hours*

EDES 6200 Elementary School Curriculum and Methods 3 *semester hours*

EDES 6202 Teaching Reading for Today's Learners 3 *semester hours*

### Single Subject Candidates Only

EDES 5250 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Secondary Educators 3 *semester hours*

EDES 6203 Reading and Content Learning in Middle and Secondary Schools 3 *semester hours*

### One of the following:

EDES 5251 Methods in Teaching Secondary Languages Other Than English 3 *semester hours*

EDES 5252 Methods in Teaching Secondary Social Studies 3 *semester hours*

EDES 5253 Methods in Teaching Secondary English 3 *semester hours*

EDES 5254 Methods in Teaching Secondary Science 3 *semester hours*

EDES 5255 Methods in Teaching Secondary Math 3 *semester hours*

EDES 5256 Methods in Teaching Secondary Art 3 *semester hours*

### LMU|Teach for America Partnership

#### Contact Information

**Director:** Edmundo F. Litton

**Program Coordinator, Los Angeles:** Natasha D'Costa

**Telephone:** 310.338.1768

**Location:** University Hall 1300

**Assistant Director, Northern California:** Jody Moody

**Program Coordinator, Northern California:** Stephanie Serventi

**Telephone:** 415.305.9361

This comprehensive two-year program combines coursework for the Master of Arts in Urban Education with a preliminary teaching credential while participating in Teach for America in Los Angeles, San Francisco Bay Area, or California Capital Valley (Sacramento and Stockton areas), or an identified school intern partnership. The Bilingual Cross-Cultural Academic and Language Development or BCLAD teaching credential (Spanish or Mandarin emphasis) can be added to the credential if a candidate meets the requirements of this program. Applicants who already hold a CA teaching credential may be eligible to pursue a distinct Master of Arts program, depending on interest, application, and transcript evaluation.

#### Introduction

The School of Education is committed to social justice and therefore maintains a strong focus on serving underrepresented and under-resourced school communities. In order to advocate for education for these school communities and their students, the School of Education has partnered with Teach for America (TFA), the national

corps of outstanding graduates of all academic majors who commit to teach in public schools and become lifelong leaders in the effort to expand educational opportunities for all children. As the preferred university partner in Los Angeles since 2000, the LMU|TFA Partnership expanded to the San Francisco Bay Area in 2010. The LMU School of Education is currently the exclusive university partner with Teach for America in California, serving both the Los Angeles and San Francisco Bay regions (San Jose, San Francisco, Oakland) and the California Capital Valley (Sacramento and Stockton). Since expanding to the Northern California regions, the School of Education now has approved regional centers in Northern California. The program information outlined below is based on the program offerings in Los Angeles and are available/applicable to LMU|TFA Partnership students in the Northern California regions, as well as established intern school partnership programs in both regions.

The LMU|TFA Partnership program requires that candidates work full-time in a public school district while they complete requirements for a California 2042 Preliminary Teaching Credential that aligns with their teaching assignment, and a Master of Arts degree. Once candidates are admitted into the LMU|TFA Partnership program, they will have the opportunity to choose a credential and/or Master of Arts degree program that supports their teaching assignment. All LMU|TFA students pursue a California SB2042 Preliminary Teaching Credential (either Multiple Subjects for K-5 teachers or Single Subject for grade 6-12) or a California Mild/Moderate Preliminary Education Specialist Teaching Credential. Candidates with an interest in bilingual education can also take additional courses to earn their bilingual authorization. Participants in the LMU|TFA program may be eligible for an Americorps educational award through their TFA membership. Participants are also eligible for an LMU SOE tuition grant that is contingent on full participation in all related grant program requirements and completion of their two-year commitment to TFA and LMU program.

The LMU|TFA program pathways include Elementary Education (Multiple Subjects), Secondary Education (Single Subject: Math, Science, English, Foreign Language, Social Studies), and Special Education. For specific information about the Special Education intern program pathway, please refer to the Special Education program section.

### Admission Requirements

Admission into the LMU|TFA Partnership is limited to candidates who have been admitted to, and matriculate with, Teach for America in the Los Angeles or Northern California regions. Students interested in participating in these programs must begin their application process with Teach for America directly and be assigned to one of these regions in order to apply for the LMU|TFA Partnership program. Admission into this program is contingent upon the availability of space as well as the candidate meeting all LMU School of Education admission requirements and deadlines for their program pathway. Candidates must complete all admission requirements outlined in either the Multiple Subjects or Single Subject credential program as described in respective sections. Once students are confirmed TFA Los Angeles or TFA Northern California corps members, they will receive admissions application instructions from their respective LMU program office. LMU|TFA Partnership students are admitted under Provisional or Controlled Admission. Please see the School of Education Academic Regulations for information on the admission categories.

### Program Requirements

LMU|TFA Partnership students admitted to a program are required to attend all LMU Orientation events as well as any additional requirements for their specific program pathway. Orientation events

include recruitment webinars, in-person presentations about their program, sessions on registration, program and disposition expectations, credential requirements and processes, and financial responsibilities. Eligible students are also required to participate in all institutional scholarships/grants. Students are expected to maintain a minimum 3.0 GPA throughout their LMU programs as well as meet all SOE policy guidelines for successful progress and completion of their program and degree.

LMU|TFA Partnership students take their coursework over a period of two years. Exceptions to the recommended sequence must be approved by the Program Director, Department Chair, and Credential Director. The Partnership is comprehensive and includes all the coursework and field experience required to obtain a preliminary teaching credential and Master of Arts degree.

## Course Requirements for the Teach for America Program

### Credential Coursework

The following information is for LMU|TFA Partnership students holding teaching assignments in General and Special Education K-12 settings only.

### Multiple Subjects Credential

- EDSS 5002 Survey of Second Language Acquisition Theories *2 semester hours*
- EDUR 5004 Elementary School Literacy and Language Development *2 semester hours*
- EDUR 5010 Theories of Teaching, Learning, and Assessment *2 semester hours*
- EDUR 5012 Culture and Language Learning in Urban Education *3 semester hours*
- EDUR 5014 Multiple Subjects in Curriculum and Instruction *3 semester hours*
- EDUR 5016 Teaching Students with Special Needs in Urban Education *3 semester hours*
- EDCE 5970 Fieldwork 1 *1 semester hour*
- EDCE 5971 Fieldwork 2 *1 semester hour*

### Single Subject Credential

- EDSS 5002 Survey of Second Language Acquisition Theories *2 semester hours*
- EDUR 5005 Literacy in the Content Areas *2 semester hours*
- EDUR 5010 Theories of Teaching, Learning, and Assessment *2 semester hours*
- EDUR 5012 Culture and Language Learning in Urban Education *3 semester hours*
- EDUR 5016 Teaching Students with Special Needs in Urban Education *3 semester hours*
- EDCE 5970 Fieldwork 1 *1 semester hour*
- EDCE 5971 Fieldwork 2 *1 semester hour*

And one of the following:

- EDES 5251 Methods in Teaching Secondary Languages Other Than English *3 semester hours*
- EDES 5252 Methods in Teaching Secondary Social Studies *3 semester hours*
- EDES 5253 Methods in Teaching Secondary English *3 semester hours*
- EDES 5254 Methods in Teaching Secondary Science *3 semester hours*
- EDES 5255 Methods in Teaching Secondary Math *3 semester hours*

EDES 5256 Methods in Teaching Secondary Art *3 semester hours*

Note:

One or two additional semesters of Fieldwork Experience coursework may be required for individual students on the Multiple Subjects or Single Subject traditional program pathway depending on their program and credential progress.

In addition to the required coursework, candidates for the teaching credential must also pass examinations and assessments as specific to their credential program track and set for by the California Commission on Teacher Credentialing such as Teaching Performance Assessments, CPR certification, and completion of a program exit presentation before they can be recommended for their credential and continue on with the Master of Arts degree.

### Educational Specialist Credential

- EDSS 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDSS 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDSS 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDSS 6607 Developing as a Professional Educator *2 semester hours*
- EDES 8000 Health Education *1 semester hour*
- EDCE 5981 Special Education Clinical Supervision I *2 TO 3 semester hours*
- EDCE 5982 Special Education Clinical Supervision II *2 TO 3 semester hours*

And one of the following:

- EDSS 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments *3 semester hours*
- EDSS 6602 Language and Literacy in Culturally and Linguistically Secondary Settings *3 semester hours*

And one of the following:

- EDSS 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*
- EDSS 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*

### Early Completion Option

The Early Completion Option (ECO) program pathway is available only to LMU|TFA Partnership students who have successfully passed the Assessment of Professional Knowledge Exam (in addition to all other required credentialing exams) prior to enrollment and hold confirmed teaching assignments in Multiple Subjects (K-5) or Single Subject Math, English, Science, Spanish, or Social Studies (6-12) only.

Students who opt into this program track must take and pass the required ECO Entrance Exam before they can be accepted into this program track. This program track is a total of 12 semester hours and provides candidates the option to complete their credential program requirements on an earlier timeline than traditional track students. In order to remain on the ECO program track, students must take and successfully pass each Teaching Performance Assessment task (TPA) the first time they take it. ECO students are not able to re-take TPAs on this program track. Failure to successfully pass each TPA on the first attempt exempts the student from continuing on this program track, and the student will need to

enroll in the traditional program track appropriate for their teaching assignment and meet all program and course requirements for that track.

### Multiple Subjects Credential—Early Completion Option

- EDSS 5002 Survey of Second Language Acquisition Theories 2 *semester hours*
- EDUR 5004 Elementary School Literacy and Language Development 2 *semester hours*
- EDUR 5014 Multiple Subjects in Curriculum and Instruction 3 *semester hours*
- EDUR 5016 Teaching Students with Special Needs in Urban Education 3 *semester hours*
- EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching 3 *semester hours*
- EDCE 5970 Fieldwork 1 1 *semester hour*
- EDCE 5971 Fieldwork 2 1 *semester hour*

### Single Subject Credential—Early Completion Option

- EDSS 5002 Survey of Second Language Acquisition Theories 2 *semester hours*
- EDUR 5005 Literacy in the Content Areas 2 *semester hours*
- EDUR 5016 Teaching Students with Special Needs in Urban Education 3 *semester hours*
- EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching 3 *semester hours*
- EDCE 5970 Fieldwork 1 1 *semester hour*
- EDCE 5971 Fieldwork 2 1 *semester hour*

And one of the following:

- EDES 5251 Methods in Teaching Secondary Languages Other Than English 3 *semester hours*
- EDES 5252 Methods in Teaching Secondary Social Studies 3 *semester hours*
- EDES 5253 Methods in Teaching Secondary English 3 *semester hours*
- EDES 5254 Methods in Teaching Secondary Science 3 *semester hours*
- EDES 5255 Methods in Teaching Secondary Math 3 *semester hours*
- EDES 5256 Methods in Teaching Secondary Art 3 *semester hours*

Note:

In addition to the required coursework, candidates for the teaching credential must also pass examinations and assessments as specific to their credential program track and set for by the California Commission on Teacher Credentialing such as Teaching Performance Assessments, CPR certification, and completion of a program exit presentation before they can be recommended for their credential and continue on with the Master of Arts degree.

### PLACE Corps—Partners in Los Angeles Catholic Education

#### Contact Information

**Director:** Diana Murphy

**Associate Director:** Edgar Alonso

**Telephone:** 310.338.3774

**Location:** University Hall 1300

#### Introduction

This comprehensive two-year program combines coursework for the Master of Arts in Elementary Education or Master of Arts in Secondary Education with a State of California 2042 Preliminary

Teaching Credential while participating in a Catholic teacher service corps. A Master of Arts in Reading Instruction, Special Education, or Guidance and Counseling may be available to applicants who have or will have by the time the program begins a credential, license or certificate to teach, pending transcript evaluation.

The PLACE Corps is a nationally recognized teaching service corps in partnership with the Archdiocese of Los Angeles and the University Consortium for Catholic Education (UCCE). The PLACE Corps is built upon three pillars: spirituality, community, and professional development. This University program incorporates full-time teaching in an under-resourced Los Angeles Archdiocesan elementary or high school with an academic program through the School of Education.

The ideal candidate for the PLACE Corps is an enthusiastic recent college graduate who has an appreciation for Catholic education and wishes to "give something back." The PLACE Corps member, serving as a role model in Catholic schools, will be instrumental in maintaining the traditions of Catholic education in Los Angeles.

The ideal candidate has an ardent desire to work with young people. There are no prerequisite courses, other than a Bachelor's degree in any field. PLACE Corps recruits nationally. Interested students in the local area should attend an information meeting in the fall and subsequent application distribution meeting.

PLACE Corps members work under contract as teachers for the Archdiocese of Los Angeles. Acceptance into the program is contingent upon the availability and offer of a compatible teaching position in an Archdiocesan PLACE Corps partner school. A portion of the Corps member's salary will contribute toward housing and other member expenses.

Participants of this service corps may be eligible for the AmeriCorps Education Award and an LMU grant which contribute toward tuition.

Those admitted to the new cohort are required to attend the Orientation Weekend in April. The orientation includes such topics as program expectations, the academic program, housing, and program funding. Incorporated into the weekend is an opportunity for the PLACERs to meet their principals. Contracts for employment will be offered by the Archdiocese through the individual school.

**Application Deadline:** The PLACE Corps application has two components, an online and paper application. The deadline for the online application is January 17. The deadline for the paper application is January 31. The full-time commitment begins the subsequent summer.

### Admission Requirements

The PLACE Corps admits an average of 25 members per cohort. Admission to the PLACE Corps requires the following:

Candidates must complete all admission requirements outlined in either the Multiple Subject or Single Subjects credential program as described in respective sections. Please refer to the Teacher Practitioner/Intern sections of Elementary or Secondary Education in this bulletin for more details.

Graduate Division application, PLACE Corps application, statement of intent, three letters of recommendation, signed letter of commitment, and a Judicial Affairs clearance.

Interview with PLACE Corps Candidate Selection Committee.

Observation Hours: All candidates must present acceptable evidence of having completed at least 20 hours of observation in a culturally and linguistically diverse setting within the age range they are planning to teach. It is beneficial to the candidate to do so within a public school setting as these 20 hours may be applied towards the 60 hours of public school observations required for credential

requirements for teachers in private and parochial schools. Any remaining hours of public school observations still required may be completed during the first summer of PLACE Corps participation.

## Program Requirements

PLACE Corps members will begin their two-year commitment with participation in a program summer retreat designed to support and inspire members. Participants are invited to become actively involved in ongoing spiritual aspects of the program while fully engaged in an intentional community to which they are assigned.

In addition to specific program requirements, PLACERs must satisfy all contractual obligations of the school to which they are assigned. In the Fall, while living in community, PLACE Corps members will begin their teaching, along with taking two classes (generally one night per week) each semester.

For the most part, over the two-year period, PLACE Corps members will be enrolled in courses as a cohort. If a PLACER has an academic background which includes prior education courses, the PLACE Corps staff will work with the PLACER in making appropriate adjustments to his/her respective course of study. Any exception to the recommended sequence must be approved by both the PLACE Corps director and coordinator. PLACERs must take only their prescribed courses and may not take any additional coursework concurrently.

The sequence of academic coursework will be outlined at the Orientation Weekend in April. The PLACE Corps academic program is comprehensive and includes all the coursework and field experience required to obtain a State of California 2042 Preliminary Teaching Credential and Master of Arts degree.

## Course Requirements for the PLACE Program

### Multiple and Single Subject Candidates

EDUR 5000 Cultural Paradigms of Education *3 semester hours*  
EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years *3 semester hours*  
EDES 5003 Theories and Policies of Second Language Acquisition *3 semester hours*  
EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs *3 semester hours*  
EDUR 6960 Introduction to Teaching and Learning *3 semester hours*  
EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching *3 semester hours*  
EDCE 5970 Fieldwork 1 *1 semester hour*  
EDCE 5971 Fieldwork 2 *1 semester hour*  
EDCE 5972 Fieldwork 3 *1 semester hour*  
EDES 8000 Health Education *1 semester hour*  
EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*  
EDUR 6995 Comprehensive Examination *0 semester hours*

### Multiple Subjects Candidates Only

EDES 5200 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary Educators *3 semester hours*  
EDES 6200 Elementary School Curriculum and Methods *3 semester hours*  
EDES 6202 Teaching Reading for Today's Learners *3 semester hours*

## Single Subject Candidates Only

EDES 5250 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Secondary Educators *3 semester hours*  
EDES 6202 Teaching Reading for Today's Learners *3 semester hours*

One of the following:

EDES 5251 Methods in Teaching Secondary Languages Other Than English *3 semester hours*  
EDES 5252 Methods in Teaching Secondary Social Studies *3 semester hours*  
EDES 5253 Methods in Teaching Secondary English *3 semester hours*  
EDES 5254 Methods in Teaching Secondary Science *3 semester hours*  
EDES 5255 Methods in Teaching Secondary Math *3 semester hours*  
EDES 5256 Methods in Teaching Secondary Art *3 semester hours*

Note:

Candidates in the PLACE program may also have the option of completing the degree requirements for the Master of Arts degree in Reading Instruction, Special Education, or Guidance and Counseling. More information can be obtained from the PLACE Corps staff.

## Center for Undergraduate Teacher Preparation

### Mathematics Bachelor of Arts with Major in Mathematics Secondary Teacher Preparation Program

This major is designed for students who are interested in pursuing a career in teaching mathematics at the secondary (i.e., middle or high school) level. With the help of her/his advisor, the student may design a schedule carefully so that s/he can complete the degree and 2042 California Preliminary Single Subject (Secondary) Teaching Credential during her/his four years at LMU.

Included in the program, students complete University and College core requirements. Additionally, students complete eight upper division math core. The required upper division math courses are: MATH 321, MATH 331, MATH 357, MATH 360, MATH 490, MATH 493 or MATH 497, MATH 550, and one additional 3 semester hour upper division MATH elective (excluding MATH 301 or MATH 302) chosen in consultation with her/his advisor.

In addition, the Bachelor of Arts requires students to complete EDES 488 and two three semester EDxx courses chosen from the list of requirements for the preliminary single subject secondary credential program. Those doing both the Bachelor of Arts and the credential will have to complete the other requirements for the credential program.

### Four-Year Plan for Mathematics Major, Secondary Teacher Preparation Program, including the Preliminary Single Subject Credential

Freshman Year

Fall Semester

MATH 131 Calculus I 4 *semester hours*  
MATH 190 Workshop in Mathematics I 2 *semester hours*  
FFYS 1000 First Year Seminar 3 OR 4 *semester hours*  
University Core 3-4 *semester hours*  
University Core 3-4 *semester hours*

Total: 15-18 semester hours

### Spring Semester

MATH 132 Calculus II 4 *semester hours*  
MATH 191 Workshop in Mathematics II 2 *semester hours*  
RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*  
Science Requirement 3-4 *semester hours*  
University Core 3-4 *semester hours*

Science Requirement—choose one of the following:

PHYS 101 Introduction to Mechanics 4 *semester hours* or  
PHYS 201 Introduction to Electricity and Magnetism 4  
*semester hours* or  
CMSI 185 Computer Programming 3 *semester hours* or  
CMSI 281 Data Structures 3 *semester hours*

Total: 15-18 semester hours

### Sophomore Year

#### Fall Semester

MATH 234 Calculus III 4 *semester hours*  
MATH 248 Introduction to Methods of Proof 3 *semester hours*  
University Core 3-4 *semester hours*  
University Core 3-4 *semester hours*

Total: 13-15 semester hours

#### Spring Semester

EDES 414 Theories and Policies of Second Language  
Acquisition 3 *semester hours*  
EDUR 400 Sociocultural Analysis of Education 3 *semester*  
*hours*  
MATH 245 Ordinary Differential Equations 3 *semester hours*  
MATH 250 Linear Algebra 3 *semester hours*  
MATH 282 Elementary Computational Methods 3 *semester*  
*hours*  
MATH 293 Mathematics Teaching Field Experience 0 *semester*  
*hours* \*\*

Total: 15 semester hours

### Junior Year

#### Fall Semester

EDCE 461 Teaching Performance Assessment 1 0 *semester*  
*hours*  
EDES 425 Methods in English Language Development and  
Specially Designed Academic Instruction in English for  
Elementary Educators 3 *semester hours*  
MATH 321 Real Variables I 3 *semester hours*  
MATH 360 Introduction to Probability and Statistics 3 *semester*  
*hours*  
University Core 3-4 *semester hours*  
Elective 3-4 *semester hours*

Total: 15-17 semester hours

#### Spring Semester

EDES 401 Applied Educational Psychology for the Childhood  
and Adolescent Years 3 *semester hours*  
EDSS 440 Introduction to the Culturally and Linguistically  
Diverse Student with Exceptional Needs 3 *semester hours*  
MATH 331 Elements of Group Theory 3 *semester hours*  
MATH 490 History of Mathematics 3 *semester hours*  
MATH 3xx Mathematics Upper Division Elective (excludes  
MATH 301 or MATH 302) 3 *semester hours*  
Elective 3-4 *semester hours*

Total: 18-19 semester hours

### Senior Year

#### Fall Semester

EDCE 462 Teaching Performance Assessment 2 0 *semester*  
*hours*  
EDES 488 Methods in Teaching Secondary Math 3 *semester*  
*hours*  
EDES 8000 Health Education 1 *semester hour*  
MATH 357 Complex Variables 3 *semester hours*  
MATH 493 Senior Seminar for Future Mathematics Educators 3  
*semester hours*  
MATH 550 Fundamental Concepts of Geometry 3 *semester*  
*hours*  
University Core 3-4 *semester hours*

Total: 16-17 semester hours

#### Spring Semester

EDCE 412 Secondary Directed Teaching 9 TO 12 *semester*  
*hours*  
EDCE 463 Teaching Performance Assessment 3 0 *semester*  
*hours*  
EDCE 464 Teaching Performance Assessment 4 0 *semester*  
*hours*  
EDES 403 Reading and Content Learning in Middle and  
Secondary Schools 3 *semester hours*

Total: 12-15 semester hours

#### Note:

\* HIST 1300 Becoming America satisfies both the U.S. Constitution requirement for the preliminary teaching credential and 3 semester hours of the history core requirement. POLS 1200 satisfies both the U.S. Constitution requirement for the preliminary teaching credential and 3 semester hours of the understanding human behavior core requirement.

\*\* This class is required for the student who wishes to get a secondary teaching credential.

\*\*\* For the student who is working on the teaching credential, these semester hours can be used for secondary directed teaching (EDCE 412).

This four-year plan serves only as a general model. Students should meet with their advisors at least once a semester to discuss progress in the program and plans for future semesters.

## School of Film and Television

### Administration

Dean: Stephen Ujlaki

Associate Dean for Academic Affairs: Gregory Ruzzin

Associate Dean of Operations and Business Services: Roger D. Stewart

### Objectives

The LMU School of Film and Television is committed to preparing students for their creative and professional lives. Through their course work, creative projects, and internships, students will learn the art and craft of communicating ideas through images and sound and writing for the screen. They will also gain an appreciation for the history of these art forms and develop their ability to critically analyze these works. We aim for that delicate balance between theory, technology and the creative impulse-where the balance is always heavily weighted toward the creative and human.

It is important for artists to be aware and considerate of diverse views, yet have the freedom to discover their individual voices and the courage to express their own points of view. As faculty, our most important work is to help our students find those creative voices and express them, because we believe that art is of utmost importance to the human race. We strive to create an atmosphere in which lasting and useful original works are fashioned-by the students and by the faculty and staff. We encourage our students to address a wide audience, to appreciate the contributions of all who labor to tell a story, and to work as part of a community of artists to find new ways to tell new stories.

True to the Loyola Marymount tradition, we also seek to remind students of the ethical and social responsibilities that go with the power of these media, and we encourage them to have a reflective mind and generous spirit as they seek to create works that inform, enlighten, and entertain.

### Graduate Program

#### Degrees Offered

The School of Film and Television offers three Master of Fine Arts (M.F.A.) degrees:

- Film and Television Production (PROD)
- Writing for the Screen (WSCR)
- Writing and Producing for Television (WPTV)

Specific degree requirements are listed under each individual program.

#### Mission Statement

The Master of Fine Arts degrees offered by the School of Film and Television at Loyola Marymount University are based on a professional academic program and designed to foster original and creative work in film and television production and writing. The emphasis is on understanding and mastering visual storytelling in an atmosphere which allows students to explore and express their ideas with ever increasing creative and technical skills.

#### Admission Requirements

All applicants must have a Bachelor's degree from an accredited university. The department welcomes applicants who have received degrees in unrelated fields. There are only a limited number of openings in the graduate School of Film and Television programs, and applications are reviewed and accepted ONLY for the Fall semester each year.

Applicants must submit all materials to the Graduate Division by January 15. These materials include: application, \$50 application

fee, detailed personal statement, all transcripts, GRE scores (optional if undergraduate GPA is greater than a 3.0), two letters of recommendation, and supplemental materials including any creative work in written and/or multimedia formats that illustrate a particular talent or expertise that the applicant would like to highlight for the selection committee. PROD applicants must submit creative samples (see the SFTV website for specific requirements). Applicants to WSCR or WPTV programs must submit a writing sample (see the SFTV website for specific requirements).

A non-refundable \$500 deposit must accompany your letter of acceptance within 15 days of notification by the University of your admittance into the program. The deposit is applied toward tuition. Letters are mailed out on a rolling basis.

June 15 is the deadline to register for Fall classes. IMPORTANT: Any applicant who does NOT register by this date will forfeit his or her spot, and it will be offered to another student.

### Undergraduate Program

#### Degrees Offered

The School of Film and Television offers the following four degrees:

- Bachelor of Arts in Animation
- Bachelor of Arts in Film and Television Production
- Bachelor of Arts in Recording Arts
- Bachelor of Arts in Screenwriting

Degree requirements are listed under each individual program.

#### Change of Program/Major

There is a formal application procedure for students who wish to be accepted into the School of Film and Television or who wish to transfer from one SFTV program to another. This procedure is explained in the SFTV Application Form available from the School. Applications are due on the last working day of February for admission to the following Fall semester and on the last working day of September for admission to the following Spring semester.

#### Application of General University Requirements

The University requirements for admission, graduation, and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the School of Film and Television.

#### School Curriculum

The curriculum of the School of Film and Television incorporates required courses in university core, major sequences, and elective courses which complement and enhance the student's major field of concentration.

#### Recommendations

Students are encouraged to enrich their program of study with selected electives from the following areas.

##### *Business*

Students are encouraged to take a course in the issues of business. Consult the Bulletin listings.

##### *Computer Skills*

Students are expected to become proficient in computer skills. Courses or workshops may be taken to help students develop existing skills.

### Foreign Language

Students are encouraged to study foreign languages to the intermediate level. LMU offers Chinese, Filipino, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, and Spanish on a regular basis.

### International/Global Studies

Students are encouraged to select elective courses that deal with international and/or global issues. Consult the Bulletin listings.

### Study Abroad

A semester of international study abroad is also recommended. Consult the Study Abroad office.

### Total Program

120 semester hours are required for graduation with the following distribution:

1. a maximum of 36 upper division semester hours in any one department will be accepted toward the 120 semester hours requirement; and
2. at least 45 semester hours are required from upper division offerings.

Students should consult the Dean's Office for specific policies applicable to the School of Film and Television.

### European Satellite Program

Students in the School of Film and Television have the opportunity to participate in an intensive production study abroad experience in Bonn, Germany. The program focuses on documentary film production and European media and culture. Courses are taught by both LMU faculty and German instructors. The program's structure includes three-week workshops and immersive, hands-on production training. Cultural opportunities while overseas include film festivals (depending on the season), exhibitions, theater performances, tours of film and television studios, and a trip to Berlin. Participating students will earn 13-15 semester hours of credit, including the production sequence, and will produce a 10-minute documentary that can be distributed or exhibited at festivals or through other channels. The Bonn program includes additional requirements.

The FITS Europe study abroad program partners LMU's School of Film and Television. For more details on the program, please visit LMU's Study Abroad Office and FITS Europe.

### Animation

#### Faculty

Chairperson: Tom Klein  
Associate Professors: Rob Burchfield, José Garcia-Moreno, Adriana Jaroszewicz, Tom Klein

### Animation, B.A.

#### Objectives

The Animation program offers students a classical approach to this complex and multifaceted medium based on foundational principles that inform a wider proficiency in modern techniques. The program represents a broadband approach to animation education within a liberal arts framework. There is coursework in character animation/design, 2D/3D, storyboarding, visual development, film production, interactive/games, visual effects, and alternative/hybrid forms of the medium in small classroom settings.

In four years at LMU, Animation majors move from traditional animation techniques during the first year to the theory and practice of digital filmmaking during the sophomore year, including an introduction to 3D and interactivity. The third year is devoted to individualized study of animation for film production or game design. During the senior year, students develop, animate and direct a thesis film or game as their capstone project, culminating their emphasis of study.

### Animation Student Learning Outcomes

Students will:

- Develop a unique personal artistic vision.
- Be ethical and humanistic animation storytellers grounded in Ignatian principles of diversity and social justice.
- Engage in new emerging industries or platforms, whether in the studio system or as independent developers and artists.
- Learn to evolve and innovate within an ever-changing world of technological change.
- Collaborate and contribute to the workflows with a team production process.

### Major Requirements

University Core requirements	42 semester hours
Lower Division major requirements	35 semester hours
Upper Division major requirements	25 semester hours
Electives	18 semester hours
Overall Total	120 semester hours

### Animation Model Four-Year Plan

- Normal course load is 15 semester hours or 5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students often take courses in a modified order.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

### Freshman Year

#### Fall Semester

- ANIM 100 History of Animation 3 *semester hours*
- ANIM 110 Visual Story Development 3 *semester hours*
- ART 153 Drawing I 3 *semester hours*
- FFYS 1000 First Year Seminar 3 *OR 4 semester hours*
- University Core 3-4 *semester hours*

Total: 15-17 semester hours

## Spring Semester

- ANIM 120 Beginning Animation Workshop 3 semester hours  
*\*must earn B or better*
- ART 154 Drawing II: Figure Drawing 3 semester hours
- FTVS 210 Art of Cinema 3 semester hours
- SCWR 220 Beginning Screenwriting 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 15-16 semester hours

## Sophomore Year

### Fall Semester

- ANIM 220 Intermediate Animation Workshop 3 semester hours
- ANIM 260 Digital Toolbox 3 semester hours
- ART 300 Figure Drawing Workshop 1 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-15 semester hours

### Spring Semester

- ANIM 230 Introduction to 3-D Computer Animation 3 semester hours
- ANIM 250 Introduction to Interactive Animation 3 semester hours
- ART 300 Figure Drawing Workshop 1 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-15 semester hours

## Junior Year

### Fall Semester

- ANIM Upper Division Elective 3 semester hours
- ART 300 Figure Drawing Workshop 1 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

### Spring Semester

- ANIM Upper Division Elective 3 semester hours
- ART 300 Figure Drawing Workshop 1 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-20 semester hours

## Senior Year

### Fall Semester

- ANIM 495 Senior Thesis Project/Pre-Production 3 semester hours
- ANIM Upper Division Elective 3 semester hours
- ART 300 Figure Drawing Workshop 1 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-15 semester hours

### Spring Semester

- ANIM 490 Animation Internship 3 semester hours
- ANIM 496 Senior Thesis Project/Production 3 semester hours
- ANIM Upper Division Elective 3 semester hours
- ART 300 Figure Drawing Workshop 1 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 16-18 semester hours

## Animation Minor

### Minor Requirements

The School of Film and Television offers a minor in Animation to all LMU students.

The minor is 18 semester hours consisting of:

- ANIM 100 History of Animation 3 semester hours
- ANIM 110 Visual Story Development 3 semester hours
- ANIM 120 Beginning Animation Workshop 3 semester hours
- Three elective courses (nine semester hours) chosen from 300 and 400 level Animation courses under the direction of the Chairperson.

## Film and Television Arts and Enterprises

Courses offered in Film and Television Arts and Enterprises are designed to supplement the student's major program with studies that encompass all areas of entertainment arts and enterprises.

## Film, Television, and Media Studies

### Faculty

Chairperson: Carla Marcantonio

Associate Professors: Susan Torrey Barber, Richard P. Hadley, Jr., Carla Marcantonio, Susan Scheibler

## Film, Television, and Media Studies Minor

### Objectives

Film, Television, and Media Studies is an academic interdisciplinary program that provides students the opportunity to understand the

many ways that filmmakers have used the media as a means of personal expression as well as a tool for understanding the world. Through their Film and TV courses, students gain the tools that allow them to critically examine the ways in which their own perceptions have been shaped and influenced by media texts. FTVS classes are academically rigorous, depending on analytic as well as critical tools that are informed by reading in media and cultural history. The program is an integral part of the School of Film and Television, providing the theoretical, historical, and cultural frameworks within which SFTV students apply their practical skills, whether they are directing, producing, filming, editing, writing, and/or recording sound for movies.

Film, Television, and Media Studies students gain an appreciation of the basic elements of film and/or television language and acquire the tools that will enable them to be more thoughtful consumers as well as producers of media texts. Through a careful study of film history, students will understand and appreciate the development of cinematic and televisual media within their historical and cultural contexts. Courses focusing on national cinemas open up and deepen their understanding of other cultures, national histories, and religious viewpoints. Courses that focus on ethical and political issues encourage students to think about the ways that media can be used to create a more just world. In all FTVS classes, students explore the many ways that media texts reflect, shape, and question cultural values, attitudes, and beliefs, including but not limited to representations of race, ethnicity, gender, sexuality, class, and nationality.

### **Film, Television, and Media Studies Student Learning Outcomes**

Students minoring in Film, Television, and Media Studies will:

- Know and demonstrate an understanding of the narrative and stylistic elements of film or TV language
- Apply an understanding of film/TV language through a critical analysis of specific texts
- Know and demonstrate knowledge of film history, including key movements and important filmmakers
- Know and demonstrate understanding of at least one film/TV genre or auteur and one national cinema or international TV
- Value diverse approaches to film and TV production.

### **FTVS Minor Requirements**

The School of Film and Television offers a minor in Film, Television, and Media Studies to all LMU students.

The minor is 18 semester hours consisting of:

#### **One Foundational Course**

- FTVS 210 Art of Cinema *3 semester hours or*
- FTVS 212 Art of Television *3 semester hours*

#### **One History Course**

- FTVS 313 History of American Film *3 semester hours or*
- FTVS 314 History of International Film *3 semester hours*

#### **One Genre/Authors Course**

- FTVS 315 History of the Documentary *3 semester hours or*
- FTVS 412 Film Authors *3 semester hours or*

- FTVS 430 The Western Film *3 semester hours or*
- FTVS 431 Film Melodrama *3 semester hours or*
- FTVS 432 The Musical Film *3 semester hours or*
- FTVS 433 The Horror Film *3 semester hours or*
- FTVS 434 Film Comedy *3 semester hours or*
- FTVS 435 Film Noir *3 semester hours or*
- FTVS 436 Science Fiction Film *3 semester hours or*
- FTVS 439 Special Topics: Film Genre *3 semester hours or*
- FTVS 440 TV Sitcoms *3 semester hours or*
- FTVS 441 TV Crime Shows *3 semester hours or*
- FTVS 442 TV Westerns *3 semester hours or*
- FTVS 443 Soap Operas *3 semester hours or*
- FTVS 444 Reality TV *3 semester hours or*
- FTVS 445 Science Fiction TV *3 semester hours or*
- FTVS 446 Japanese Anime *3 semester hours or*
- FTVS 447 African American Images on TV *3 semester hours*

#### **One National/International Film/Television Course**

- FTVS 416 Jewish Images in Film and Television *3 semester hours or*
- FTVS 420 European Cinema *3 semester hours or*
- FTVS 421 Asian Cinema *3 semester hours or*
- FTVS 422 African Cinema *3 semester hours or*
- FTVS 423 Latin American Cinema *3 semester hours or*
- FTVS 425 International TV *3 semester hours or*
- FTVS 429 Special Topics: National Cinema *3 semester hours*

#### **Two (six semester hours) upper division elective courses**

- FTVS 300- and FTVS 400-level

### **Film and Television Studies**

Film and Television Studies courses (FTVS) are offered by the School of Film and Television.

### **Film and Television Production**

#### **Faculty**

Chairperson: Charles Swanson

Professors: Glenn Gebhard, Donald Zirpola

Associate Professors: Mikael R. Kreuzriegler, Sylvia Morales, Vanessa Newell, Rev. Luís Proença, Gregory Ruzzin, Charles Swanson

Assistant Professors: Sharon Mooney, Leena Pendharkar, Kennedy Wheatley

### **Film and Television Production, B.A.**

Film and Television Production Student Learning Outcomes

#### **Film History and Critical Context**

- Students will know the history of film (American and global) from its beginnings to the present day, including the contributions of key filmmakers and film movements

- Students will understand the influence of socio-historical contexts on the creation and reception of media text, especially the intersections of race, ethnicity, class, gender, sexuality, and national contexts

#### **Effective Communication with an Audience**

- Students will be able to use the technical means of visual storytelling--camera placement and movement, lighting, blocking, sound design, performance, post-production--to create films that affect an audience
- Students will know how to apply dramatic structure to create films that engage an audience

#### **Technical Competency**

- Students will be able to demonstrate advanced competency in at least one major area from the following: Creative Producing, Production Management/AD, Directing, Cinematography, Post-Production, Online Storytelling

#### **Creativity and Originality**

- Students will be able to demonstrate creativity in their work, assessed in terms of independent thinking, originality, imagination, experimentation, problem solving, and risk taking in thought and cinematic expression

#### **Professional Set Protocol**

- Students will know the protocols of professional industry practices

#### **Transition to Professional World**

- Students will know the available professional strategies to promote and disseminate their creative work
- Students will know professional strategies to market themselves

#### **Social Responsibility**

- Students will know the ethical implications and responsibilities of their influence as content creators

#### **Film and Television Production Model Four-Year Plan**

- Normal course load is 15 semester hours or 5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students often take courses in a modified order.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

#### **Freshman Year**

##### **Fall Semester**

- FTVS 200 Survey of Mass Media 3 semester hours
- FTVS 210 Art of Cinema 3 semester hours or
- FTVS 212 Art of Television 3 semester hours
- PROD 101 Introduction to Screen Production 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

##### **Spring Semester**

- SCWR 120 Storytelling for the Screen 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-19 semester hours

#### **Sophomore Year**

##### **Fall Semester**

- PROD 200 Introduction to Film Production 3 semester hours
- RECA 250 Sound Design 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 12-14 semester hours

##### **Spring Semester**

- PROD 250 Introduction to Television Production 3 semester hours
- PROD 365 Cinematography 3 semester hours
- PROD 379 Fundamentals of Directing 3 semester hours
- FTVS 313 History of American Film 3 semester hours or
- FTVS 314 History of International Film 3 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

#### **Junior Year**

##### **Fall Semester**

- PROD 326 Documentary Pre-Production 3 semester hours or
- SCWR 327 Writing for Narrative Production 3 semester hours

- PROD 366 Post-Production 3 semester hours (may be taken concurrently with PROD 300 or PROD 350)
- FTVS Upper Division Elective 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

##### **Spring Semester**

- PROD 300 Intermediate Narrative Film Production 3 semester hours or

- PROD 350 Intermediate Documentary Production 3 semester hours
- RECA 367 Production Sound 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

Senior Year

Fall or Spring Semesters

- PROD 400 Advanced Narrative Film Production 3 semester hours or
- PROD 450 Advanced Documentary Production 3 semester hours or
- PROD 460 Directed Study in Production 3 semester hours
- PROD 466 Advanced Editing 3 semester hours or
- PROD 469 Advanced Cinematography 3 semester hours or
- PROD 476 Post-Production Effects 3 semester hours or
- PROD 479 Advanced Directing 3 semester hours or
- PROD 480 Advanced Production Technique Seminar 1 TO 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

### Film and Television Production, M.F.A.

#### Objectives

The School of Film and Television's major in Film and Television Production is designed to enable students to express their ideas on the screen-whether that screen is in a theater, at home, or held in one's hand. Beyond the existing television and theatrical feature landscape, new forms of media empower a single person to be both a worldwide broadcaster and a very selective receiver. Digital technologies have created new ways of working that transcend the traditional distinctions between film and television. The Film and Television Production major combines the best of both of these fields.

Students admitted to this rigorous major become quickly immersed in the art of storytelling for the screen. They encounter and study great works of world cinema, both past and present, and ponder the ramifications of the emerging media of the future. They receive expert hands-on training in writing the screenplay, directing actors, cinematography, sound recording and design, and editing. In the process, each student learns about the challenging relationship between art and technique, and how both serve each other. Students learn the practical aspects of mounting a production: budgeting, location scouting, casting, set design and construction, post production, and the importance of safety in all aspects of what they do. Complete premier state-of-the-art equipment and technology are available 24/7--all in service of story. Through

teamwork, students learn an appreciation for all of the artists who labor to serve the story, and the camaraderie that comes from working as part of a crew engaged in a large, collaborative creative enterprise.

Students also learn to find their individual voices, and express their own points of view, on projects driven by their own creative choices. Beginning with their work on a series of short and intermediate films, students forge the fundamental skills of visual storytelling. Each student's experience culminates with a final project in which advanced students create their own thesis films.

#### Film and Television Production Student Learning Outcomes

Upon completing the program, students majoring in Film and Television Production will know:

- The basic techniques of visual storytelling
- The processes of producing, directing, screenwriting, cinematography, editing, sound recording and design, and set design
- The current technologies involved in the creation of film production
- Strategies for future dissemination of their work

Upon completing the program, students majoring in Film and Television Production will value:

- A wide variety of cinematic forms of expression in traditional as well as emerging technologies
- The importance of film history and theory
- Create technically accomplished and aesthetically engaging films
- Collaboration and teamwork in the filmmaking process
- Individual expression through cinematic forms

Upon completing the program, students majoring in Film and Television Production will be able to:

- Clearly communicate story, theme, and concept in their works
- Apply learned techniques of film and television production to creative works of their own
- Give constructive feedback, and implement revision of their own creative work based on feedback received
- Balance creative and organizational skills
- Practice teamwork, while developing leadership skills
- Create and treat content in innovative and imaginative ways

#### M.F.A. in Film and Television Production Requirements

First Semester Requirements 12 semester hours

Program Requirements 39 semester hours

Thesis Requirements 9 semester hours

**Overall Total 60 semester hours**

#### M.F.A. in Film and Television Production Guidelines

- Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult assigned academic advisor.

- First semester courses (PROD 500, PROD 565, PROD 566, and SCWR 501) must be completed with a grade of B- or better. Failure to do so may lead to disqualification from the program, based on review of an exceptions committee. Students who receive a grade lower than a B- in any class may not continue with the standard sequence until they repeat the course when it is next offered. A course may be repeated only once. If a passing grade of B- is received, the student may continue with the standard course sequence in the program.
- Prior to registration for the Thesis Project (PROD 650), the student must come before the Thesis Committee to advance to candidacy based upon the work completed towards this goal. Once advanced to candidacy, the student must take PROD 650 (with the instructor of record) and PROD 670 (with the instructor of record) until the project is completed and signed off by the Thesis Committee and the Dean in order to successfully complete the requirements for the M.F.A. degree. All course requirements must be taken for a letter grade. Students who receive a grade lower than the passing grade of B- in PROD 650 or PROD 670 must repeat the course. A course may be repeated only once. A grade of lower than C will subject the student to disqualification from the program, based on review of an exceptions committee. Please refer to the University Bulletin for information regarding appeal and readmission after disqualification.
- The Thesis Committee form adopted by the School must be obtained from the SFTV Graduate Office and signed by all committee members in order for the student to be advanced to candidacy.
- Students must screen a master copy of the Thesis Project in Mayer Theater for approval. Requests for exceptions must be reviewed and approved by the Department Chair and Graduate Director. All Thesis productions are required to have a full card at the end of the credits that reads: *This production was done in partial fulfillment of degree requirements at Loyola Marymount University.* Upon approval, the master copy must be submitted to the thesis committee to complete the requirements.
- Probation/Dismissal: See Academic Standing in Academic Degree Requirements and Policies.
- SAFETY: Since the School of Film and Television is fully committed to safety and sensible risk management, every student will be required to adhere to all safety and risk management policies. The School considers violation of the Safety and Risk Management policies infractions of the LMU Student Honor Code. In accordance with the Honor Code guidelines and process, disciplinary measures may range from warnings, to failure in the course to expulsion from the University. Additionally, any footage acquired during the commission of a violation of these policies will be disallowed from the project. Students in violation of SFTV policies also risk suspension of privileges. Privileges include access to SFTV Production and Post Production resources and equipment and participating at the end of the semester screenings. When a violation occurs, the instructor, the appropriate department chair, HOPA, and the graduate director will meet to determine whether and to what extent the student shall incur temporary loss of privileges, or they may jointly make a recommendation to the dean for permanent loss of privileges.

First Year

#### Fall Semester

- PROD 500 Fundamentals of Production 3 semester hours  
*\*must earn B- or better*
- PROD 565 Cinematography 3 semester hours  
*\*must earn B- or better*
- PROD 566 Post-Production 3 semester hours  
*\*must earn B- or better*
- SCWR 501 Writing for Production 3 semester hours  
*\*must earn B- or better*

#### Spring Semester

- PROD 530 Intermediate Documentary Pre-Production 3 semester hours or
- SCWR 530 Intermediate Writing for Narrative Production 3 semester hours
- PROD 550 Intermediate Production 3 semester hours  
*\*must earn B- or better*
- PROD 668 Production Planning 3 semester hours
- RECA 500 Sound for Production 3 semester hours

#### Second Year

##### Fall Semester

- PROD 600 Advanced Production 6 semester hours  
*\*must earn B- or better*
- RECA 567 Seminar in Sound 3 semester hours

##### Spring Semester

- FTVS 513 Seminar in American Film 3 semester hours
- PROD 626 Pre-Production for Documentary Thesis 3 semester hours or
- SCWR 620 Writing for Narrative Production Thesis 3 semester hours
- Advanced Production Techniques: Select three semester hours from PROD 666, PROD 669, PROD 680, PROD 685, PROD 690, RECA 568, or SCWR 635. Nine total semester hours are required for the degree. Other courses by permission only. 3 semester hours
- FTVA 688 Intern Practicum 0 TO 3 semester hours

#### Third Year

##### Fall Semester

- FTVS 514 Seminar in International Film 3 semester hours
- PROD 650 Thesis Project: Production 3 semester hours  
*\*must earn B- or better*
- Advanced Production Techniques: Select three semester hours from PROD 666, PROD 669, PROD 680, PROD 685, PROD 690, RECA 568, or SCWR 635. Nine total semester hours are required for the degree. Other courses by permission only. 3 semester hours

##### Spring Semester

- PROD 670 Thesis Project: Post-Production 3 *semester hours*  
*\*must earn B- or better*
- Advanced Production Techniques: Select three semester hours from PROD 666, PROD 669, PROD 680, PROD 685, PROD 690, RECA 568, or SCWR 635. Nine total semester hours are required for the degree. Other courses by permission only. 3 *semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level. 3 *semester hours*

## Recording Arts

### Faculty

Chairperson: Mladen Milicevic  
Professors: Mladen Milicevic, Rodger Pardee  
Associate Professor: Kurt Daugherty

### Recording Arts, B.A.

#### Objectives

Recording Arts students explore the theoretical and practical elements of sound recording, reproduction, and design—the fundamentals crucial to successful work in all media that tap into the creative power of sound.

Given the enormous influence of these media, it is vital that these studies are given perspective by courses in LMU's Liberal Arts core curriculum. Recording Arts students are also required to take one music class that deals with the fundamentals of music theory. In upper division courses, students study the science of sound behavior, reproduction, and modification. They learn audio techniques that apply to both film/television sound and music recording.

The SFTV sound stages, studios, and audio workstations are the laboratories where students put their knowledge and creativity to work and build a portfolio. Each Recording Arts student gains experience with film and television sound production and produces an advanced recording arts senior project. Creative collaboration is key to success in this field.

#### Recording Arts Student Learning Outcomes

Recording Arts students will understand:

- The physical and psychoacoustic properties of sound
- The techniques of making, editing, and processing sound recordings
- The aesthetic contribution of sound to media.

Recording Arts students will be able to:

- Make technically competent recordings of music as well as production and post-production sound for film and television media
- Effectively edit and process sound for those media
- Create technically competent and aesthetically pleasing mixes for those media.

Recording Arts students will value:

- The transformative power of challenging and meaningful art

- The collaborative and rigorous nature of working in sound for music, film, and television
- The cultural impact and significance of this media—past, present, and future.

#### Recording Arts Model Four-Year Plan

- Normal course load is 15 semester hours or 5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students often take courses in a modified order.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

#### Freshman Year

##### Fall Semester

- FTVS 200 Survey of Mass Media 3 *semester hours*
- FTVS 210 Art of Cinema 3 *semester hours* or
- FTVS 212 Art of Television 3 *semester hours*
- MUSC 104 Fundamentals of Music 3 *semester hours*
- FFYS 1000 First Year Seminar 3 *OR* 4 *semester hours*

Total: 12-13 semester hours

##### Spring Semester

- RECA 220 Fundamentals of Sound 3 *semester hours* (must earn B or better)
- MUSC 107 The Piano Experience 3 *semester hours* (may test out per RECA chair)
- PROD 200 Introduction to Film Production 3 *semester hours* or
- PROD 101 Introduction to Screen Production 3 *semester hours*
- RHET 1000 Rhetorical Arts 3 *OR* 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-16 semester hours

#### Sophomore Year

##### Fall Semester

- RECA 250 Sound Design 3 *semester hours* (must earn B or better)
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 12-15 semester hours

## Spring Semester

- RECA 258 Digital Sound Editing 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-19 semester hours

## Junior Year

### Fall Semester

- RECA 322 Recording Technology 3 *semester hours*
- RECA 353 Production Sound Techniques 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 12-14 semester hours

### Spring Semester

- RECA 358 Post-Production Sound 3 *semester hours*
- RECA 361 Live and Studio Recording 3 *semester hours*
- RECA 362 Audio Software Applications 3 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-17 semester hours

## Senior Year

### Fall Semester

- RECA 461 Multi-Track Studio Recording 3 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-19 semester hours

### Spring Semester

- RECA 464 Advanced Audio 3 *semester hours*
- RECA 470 Senior Recording Arts Project 3 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-18 semester hours

## Screenwriting

## Faculty

Chairperson: Jeffrey Davis

Professors: Marilyn Beker, Stephen V. Duncan

Associate Professors: Jeffrey Davis, Mark Evan Schwartz, Beth Serlin

Assistant Professor: Karol Hoeffner

## Screenwriting Graduate Program

### Contact Information

**Graduate Director:** Karol Hoeffner

**Chairperson:** Jeffrey Davis

### Screenwriting, B.A.

#### Objectives

- Students will be stimulated and engaged by a rich and challenging pre-professional undergraduate curriculum that spans the art, craft, and business of screenwriting.
- Students will understand and demonstrate the theoretical, aesthetic, and practical elements of film, television, and emerging new media story development and script writing.

#### Learning Outcomes of the B.A. Program in Screenwriting

- Students will demonstrate an understanding of the dynamics of storytelling required for film, television, and new and emerging media.
- Students will demonstrate competency in developing stories and writing scripts for multiple media platforms.
- Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will create a portfolio of screenplays and teleplays in which structure, character development, dialogue, tone, and theme are clearly demonstrated.
- Students will demonstrate proficiency in analyzing the influences of film, television, and new and emerging media on our culture, and vice versa.
- Students will demonstrate competency in discussing the aesthetics of film, television, and new and emerging media.
- Students will demonstrate the ability to offer constructive criticism and collaborate with others in a writers group.

#### Screenwriting Model Four-Year Plan

- Normal course load is 15 semester hours or 5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students may take courses in a modified order with written permission of the chair and Associate Dean.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

#### Freshman Year

#### Fall Semester

- FTVS 200 Survey of Mass Media 3 semester hours
- FTVS 210 Art of Cinema 3 semester hours or
- FTVS 212 Art of Television 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- Elective 3-4 semester hours

Total: 12-14 semester hours

#### Spring Semester

- PROD 200 Introduction to Film Production 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Sophomore Year

#### Fall Semester

- SCWR 220 Beginning Screenwriting 3 semester hours (must earn B or better; may be taken in the Spring semester of the sophomore year)
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 12-15 semester hours

#### Spring Semester

- FTVS 313 History of American Film 3 semester hours or
- FTVS 314 History of International Film 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-19 semester hours

#### Junior Year

#### Fall Semester

- SCWR 320 Intermediate Screenwriting 3 semester hours
- SCWR 325 Writing the TV Situation Comedy 3 semester hours (may be taken concurrently with SCWR 320) or
- SCWR 426 Writing One-Hour Episodic TV 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

- Elective 3-4 semester hours

Total: 12-14 semester hours

#### Spring Semester

- SCWR 321 Rewriting the Feature 3 semester hours
- SCWR 428 Adaptation: One Medium to Another 3 semester hours
- FTVS Upper Division Elective 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Senior Year

#### Fall Semester

- SCWR 329 Directing for Screenwriters 3 semester hours (may also be taken in the Spring of the senior year)
- SCWR 420 Senior Writing Project 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Spring Semester

- SCWR 421 Rewriting the Senior Writing Project 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-15 semester hours

### **Writing and Producing for Television, M.F.A.**

#### Objectives

- Students will prepare for specific careers in film, television, and new and emerging media through a highly professional and challenging graduate curriculum.
- Students will demonstrate the application of the theoretical, aesthetic, and practical elements of film, television, and emerging new media, story development, and script writing at a professional level suitable for pursuing a career in academia and/or the entertainment industry.

#### Learning Outcomes

- Students will demonstrate, through a portfolio of long- and short-form teleplays, mastery of story development, character development, storytelling structure, and cinematic style.

- Students will demonstrate the ability to pitch stories and scripts to producers, managers, agents, studios, cable outlets, and networks.
- Students will demonstrate proficiency in producing and executing a television production by creating a short reel that is reflective of a larger project.
- Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will develop entrepreneurial skills by creating relationships with outside organizations through internships, mentorships, and designated courses and workshops.
- Students will demonstrate the fundamental business skills required for working effectively with producers, managers, agents, and the Writers Guild of America.
- Students will learn to analyze the influences of film, television, and emerging media on our culture, and vice versa.

#### M.F.A. Writing and Producing for Television

The goal of the M.F.A. program in Writing and Producing for Television is to train hyphenates--writer-producers--who will become the creative leaders of television programming. Progressing from the core courses, the television writing student must complete a portfolio, which consists of a "spec" teleplay (either comedy or drama), two original television pilots (one-hour and half-hour), and write and produce a short digital project that is representative of a larger work. Students can also take writing electives such as transmedia, video-game writing, or playwriting. Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult assigned academic advisor.

Students must maintain a "B" (3.0) average to remain in good academic standing. Students who fall below a B average will be placed on academic probation and will have one semester to bring their grade average up to a B.

At the end of the first and third semesters, students are required to attend a MFA Performance Review with the department faculty to discuss his/her overall cumulative progress in the program. Letters will be sent to each student following this meeting to say he/she is either performing in an exceptional way, a satisfactory way, or an unsatisfactory way. In the last case the student will be placed on academic probation. Academic probation will require another meeting at the end of the following semester. If the student does not meet the required standards, he/she will be dismissed from the program.

#### M.F.A. in Writing and Producing for Television Requirements

Major Requirements 45 semester hours

Thesis Requirements 6 semester hours

**Overall Total 51 semester hours**

#### First Year

##### Fall Semester

- SCWR 511 Introduction to Television Producing 3 semester hours (must earn B or better)

- SCWR 550 Elements of Television Writing 3 semester hours (must earn B or better)
- FTVS 511 Television History 3 semester hours (must earn B or better)

##### Spring Semester

- SCWR 660 Writing Episodic Drama 3 semester hours or
- SCWR 670 Writing Episodic Comedy 3 semester hours
- SCWR 554 The TV Writers Room 3 semester hours
- SCWR 551 Seminar in Feature Writing 3 semester hours

#### Second Year

##### Fall Semester

- SCWR 661 Writing the Drama Pilot 3 semester hours
- SCWR 671 Writing the Comedy Pilot 3 semester hours
- SCWR Writing Elective 3 semester hours (must select any one course from SCWR 500 or 600 level)

##### Spring Semester

- SCWR 675 Rewriting the Television Pilot: Comedy and Drama 3 semester hours
- SCWR 611 Television Planning, Budgeting, and Scheduling 3 semester hours
- SCWR Elective Writing 3 semester hours (must select any one course from SCWR 500 or 600 level)

#### Third Year

##### Fall Semester

- SCWR 680 Television Producing 3 semester hours
- SCWR 685 Entertainment Business Affairs 3 semester hours
- SCWR Elective Writing 3 semester hours (must select any one course from SCWR 500 or 600 level)

##### Spring Semester

- SCWR 681 Television Post-Production 3 semester hours
- SCWR 682 Television Portfolio Workshop 3 semester hours

#### Writing for the Screen, M.F.A.

##### Objectives

- Students will prepare for specific careers in film, television, and new and emerging media through a highly professional and challenging graduate curriculum.
- Students will demonstrate the application of the theoretical, aesthetic, and practical elements of film, television, and emerging new media, story development, and script writing at a professional level suitable for pursuing a career in academia and/or the entertainment industry.

## Learning Outcomes

- Students will demonstrate, through a portfolio of screenplays and teleplays, mastery of story development, character development, storytelling structure, and cinematic style.
- Students will demonstrate the ability to pitch stories and scripts to producers, managers, agents, studios, cable outlets, and networks.
- Students will demonstrate proficiency in writing for screens of all sizes. Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will develop entrepreneurial skills by creating relationships with outside organizations through internships, mentorships, and designated courses and workshops.
- Students will demonstrate the fundamental business skills required for working effectively with producers, managers, agents, and the Writers Guild of America.
- Students will demonstrate proficiency in analyzing the influences of film, television, and emerging media on our culture, and vice versa.

## M.F.A. Writing for the Screen

The goal of the MFA program in Writing for the Screen is to train students for a career in screenwriting--to develop mastery in writing for screens of all sizes. Using long-form storytelling as a basis for teaching screenwriting, students will progress from the elements class to the creation of a portfolio of work, which will include three feature length screenplays, one episodic teleplay, and at least one original pilot for television. Students can also take writing electives such as transmedia, video-game writing, or playwriting. Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult an academic advisor.

Students must maintain a "B" (3.0) average to remain in good academic standing. Students who fall below a "B" average will be placed on academic probation and will have one semester to bring their grade average up to a "B."

At the end of the first and third semesters, students are required to attend an MFA Performance Review with the department faculty to discuss his/her overall cumulative progress in the program. Letters will be sent to each student following this meeting to say he/she is either performing in an exceptional way, a satisfactory way, or an unsatisfactory way. In the last case the student will be placed on academic probation. Academic probation will require another meeting at the end of the following semester. If the student does not meet the required standards, he/she will be dismissed from the program.

## M.F.A. in Writing for the Screen Requirements

Major Requirement 45 semester hours

Thesis Requirements 6 semester hours

**Overall Total 51 semester hours**

## First Year

## Fall Semester

- SCWR 510 Producing and Directing for Feature Film Screenwriters 3 semester hours  
*\*must earn B or better*
- SCWR 540 Elements of Feature Film Screenwriting 3 semester hours  
*\*must earn B or better*
- FTVS Elective Film, Television, and Media Studies:  
*\*Must select any one course (three semester hours) from FTVS 500 or 600 level.*  
*\*must earn B or better*

## Spring Semester

- SCWR 541 Intermediate Feature Project 3 semester hours
- SCWR 635 Advanced Motion Picture Script Analysis 3 semester hours
- SCWR 660 Writing Episodic Drama 3 semester hours or
- SCWR 670 Writing Episodic Comedy 3 semester hours  
*\*Must select any one course (three semester hours) from SCWR 500 or 600 level.*

## Second Year

## Fall Semester

- SCWR 640 Rewriting Intermediate Feature Project 3 semester hours
- SCWR 650 Advanced Screenwriting Project 3 semester hours
- SCWR 661 Writing the Drama Pilot 3 semester hours or
- SCWR 671 Writing the Comedy Pilot 3 semester hours or
- SCWR Elective  
*\*Must select any one course (three semester hours) from SCWR 500 or 600 level.*  
*\*FTVS, PROD courses by permission of Graduate Director*

## Spring Semester

- SCWR 641 Feature Film and Television Adaptation 3 semester hours
- SCWR 651 Rewriting Advanced Screenwriting Project 3 semester hours
- SCWR 661 Writing the Drama Pilot 3 semester hours or
- SCWR 671 Writing the Comedy Pilot 3 semester hours or
- SCWR Elective  
*\*Must select any one course (three semester hours) from SCWR 500 or 600 level.*

## Third Year

## Fall Semester

- SCWR 685 Entertainment Business Affairs 3 semester hours

- SCWR 690 Thesis Screenplay Project 3 *semester hours*
- SCWR 661 Writing the Drama Pilot 3 *semester hours* or
- SCWR 671 Writing the Comedy Pilot 3 *semester hours* or
- SCWR Elective  
*\*Must select any one course (three semester hours) from SCWR 500 or 600 level.*

#### Spring Semester

- SCWR 691 Rewriting Thesis Screenplay Project 3 *semester hours*
- SCWR 692 Feature Film Portfolio Workshop 3 *semester hours*

#### **Screenwriting Minor**

##### Minor Requirements

The School of Film and Television offers a minor in Screenwriting.

The minor is 18 semester hours consisting of:

- FTVS 210 Art of Cinema 3 *semester hours* or
- FTVS 212 Art of Television 3 *semester hours*
- SCWR 220 Beginning Screenwriting 3 *semester hours*
- SCWR 320 Intermediate Screenwriting 3 *semester hours*
- SCWR 321 Rewriting the Feature 3 *semester hours*

Two elective courses (six semester hours) chosen from:

- SCWR 325 Writing the TV Situation Comedy 3 *semester hours*
  - SCWR 426 Writing One-Hour Episodic TV 3 *semester hours*
  - SCWR 428 Adaptation: One Medium to Another 3 *semester hours*
- Other SCWR courses by permission of Chairperson.

## Aerospace Studies

*All University Colleges and Schools*

### Faculty

Laning Davis, Ian Fryman, Joe Gordon (Department Chairperson),  
Won In

### General Military Course

The first two years of Aerospace Studies (AERO 100, AERO 200) are designated the General Military Course (GMC) for students enrolled in Air Force Reserve Officer Training Corps (AFROTC). There are no prerequisites for these courses, and all University students may participate. These courses focus on developing individual communication skills, basic leadership traits, understanding the environment of the Air Force officer, and comprehending the historical development of the United States Air Force in the national security structure. AERO 100 and AERO 200 may be taken concurrently to allow late entry into the program by second-semester freshmen and sophomores.

### Professional Officer Course

The last two years of AFROTC (AERO 300, AERO 400) are designated the Professional Officer Course (POC) for students enrolled in AFROTC. They are designed to prepare cadets for duty as officers in the United States Air Force and provide students with a working knowledge of advanced leadership and management theories and applications, as well as an understanding of the United States national security processes. The POC includes academics, interaction with military and national security professionals, and the practice of leadership and management in a large group environment.

### Special Notes

Aerospace Studies academic courses are open to all students who wish to take these classes as electives, whether they are cadets or not. Courses may or may not count toward graduation, depending upon the student's major. Students should consult their Dean and Department Chairperson for allowable courses. Leadership laboratories are mandatory for members of the cadet wing. Students that are not members of the cadet wing cannot enroll in the leadership laboratory courses.

### Air Force Reserve Officer Training Corps Program

The AFROTC program at Loyola Marymount University is conducted by active duty Air Force Officers assigned to the Department of Aerospace Studies. The program is designed to prepare qualified men and women for careers as commissioned officers in the United States Air Force. Textbooks, uniforms, and all other equipment used in this program are furnished by the Air Force at no expense to the student.

Air Force ROTC offers three- and four-year scholarships. Additionally, Loyola Marymount University supplements some Air Force ROTC scholarships with room and board.

A nominal four-year program consists of two years of the General Military Course, followed by two years of the Professional Officer Course. Admission into the Professional Officer Course is limited to those students who successfully pass required written, oral, and physical examinations. During the summer between the sophomore and junior year, cadets are required to attend four weeks of field training at Maxwell Air Force Base, Alabama, to familiarize them with Air Force life. The Air Force furnishes all uniforms, equipment, and transportation. Students also receive pay and allowances authorized by current directives at the time of field training attendance. After successfully completing field training, qualified cadets enter the Professional Officer Course and receive \$350-400 per month, tax-free, during the final two years of AFROTC. For information on scholarships, please go to [www.afrotc.com](http://www.afrotc.com).

AFROTC offers students expanded access to management theories and practice, exposure to industry and military leaders, and opportunities to better comprehend international political and security environments. While most training takes place on the LMU campus, it includes extensive interaction with students from other local universities and colleges who participate in the program. In addition to a commission upon graduation, cadets may apply for careers as pilots, navigators, space and missile operators, business administrators, engineers, health professionals, intelligence, officers, and many other specialties.

# Center for Undergraduate Teaching Preparation

## Introduction

The Loyola Marymount University Center for Undergraduate Teacher Preparation exists to provide matriculation-to-graduation advising and other academic and professional support to undergraduates preparing for careers in K-12 teaching. The Center also serves as a resource for faculty and staff who provide instruction and other services in LMU's subject-matter teacher preparation programs.

In carrying out its work, the Center for Undergraduate Teacher Preparation is informed by the Mission and Goals of Loyola Marymount University, which emphasize the encouragement of learning, the education of the whole person, the service of faith, and the promotion of justice. For the encouragement of learning, the Center facilitates academically challenging teacher preparation programs where the faculty model effective pedagogy. The Center contributes to the education of the whole person through a vision of the educational process as the simultaneous formation of intellect, moral character, the senses and the imagination. The Center's role in the service of faith includes training future Catholic educators as well as cultivating respect in all our future teachers for the rich diversity of faith traditions in our multicultural society. To promote justice, the Center educates our future teachers to be agents of positive social change for all members of global society.

All LMU undergraduates who foresee a career in K-12 teaching, whether enrolling in a formal teacher preparation program or not, are encouraged to contact the Center for Undergraduate Teacher Preparation for support throughout their time at LMU.

## Secondary Teacher Preparation in Art

The Art Education Emphasis is designed to create reflective, informed, caring, and capable artists who are skilled in using interpersonal and creative tools for teaching careers in California schools at the secondary level (grades 6-12). Students interested in earning a State of California Single Subject Teaching Credential in Art must fulfill all the requirements for the major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the requirements for a minor in Secondary Education (SEED), and the requirements for a single subject credential in Art (SECR). With the help of their advisor, students can carefully design a schedule to complete the program during their four years at LMU. Students who seek graduation with an Art Education Emphasis and a teaching credential should ideally declare the Art Education Emphasis as a freshman.

The LMU Secondary Teacher Preparation Program in Art is approved by the California Commission on Teacher Credentialing. The Department of Art and Art History is a fully accredited member of the National Association of Schools of Art and Design.

Students should consult with the Director/Advisor of Secondary Teacher Preparation Program in Art, Professor Terry Lenihan (tlenihan@lmu.edu 310.338.4409) to sign up for the program and to discuss their course of study.

Please contact the School of Education at soeinfo@lmu.edu for information about all available Secondary Teacher Preparation Programs (STPP). All students interested in teaching Art in middle schools or high schools should meet with their departmental advisors as soon as possible and must also attend a mandatory School of Education Undergraduate Information Session. Please call 310.338.7845 to obtain the next scheduled meeting time and to confirm attendance. The advisor for STPP students regarding the School of Education is Michael Cersosimo (Michael.Cersosimo@lmu.edu, 310.258.8806).

The Center for Undergraduate Teacher Preparation (CUTP) is also available to assist students interested in teaching careers in both secondary and elementary education. Please contact Dr. Annette Pijuan Hernandez, Senior Director and Associate Clinical Professor (Annette.Hernandez@lmu.edu, 310.258.8806). CUTP is located in UH 3346, 310.258.8806.

## Major Requirements for a Major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE)

### Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take HIST 1300 Becoming America.

### Lower Division Requirements

24 semester hours of lower division courses:

- ART 153 Drawing I 3 *semester hours*
- ART 160 Two-Dimensional Design 3 *semester hours*
- ART 255 Field Experience in Art 0 *semester hours*
- ART 257 Painting I 3 *semester hours*
- ART 260 Computer Graphics I 3 *semester hours*
- ART 275 Three-Dimensional Design 3 *semester hours*
- ARHS 2000 Foundations of Western Art 4 *semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 *semester hours*

- ART 154 Drawing II: Figure Drawing 3 *semester hours* or
- ART 278 Ceramics I 3 *semester hours* or
- ART 280 Photography I 3 *semester hours* or
- ART 285 Introduction to Printmaking 3 *semester hours* as the foundation for the Studio Arts Focus. \*

### Upper Division Requirements

27 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice 3 *semester hours*
  
- ART 396 Design Praxis: Professional Practices in Design 3 *semester hours* or
- ART 397 Professional Practices in Fine Arts 3 *semester hours*
  
- ART 455 Methods in Teaching Secondary Art 3 *semester hours*
  
- ART 490 Senior Design Thesis 3 *semester hours* or
- ART 497 Senior Thesis in Fine Arts 3 *semester hours* (*must take for 3 semester hours*)
  
- 9 semester hours of upper division ART electives \*
- ARHS 4630 Contemporary Art 4 *semester hours*

A non-Western Art History course or any non-Western course:

- ARHS 3311 Pre-Columbian Art 4 *semester hours*
- ARHS 3331 Arts of Africa 4 *semester hours*
- ARHS 3341 Arts of Islam 4 *semester hours*
- ARHS 4301 Arts of India 4 *semester hours*
- ARHS 4303 Arts of China 4 *semester hours*
- ARHS 4307 Arts of Japan 4 *semester hours*
- ARHS 4998 Special Studies 1-4 *semester hours*

Note:

### \*Studio Arts Focus Requirement

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select both lower and upper division courses from within the same Studio Arts Focus. Courses must be selected under the advisement of the Director of Art Education.

### Secondary Teacher Preparation Program for English

Please contact the Center for Undergraduate Teacher Preparation for information about all available Secondary Teacher Preparation Programs. All students interested in teaching English in middle schools or high schools should meet with their departmental advisors as soon as possible and must also attend a mandatory School of Education Undergraduate Information Session. Please call 310.338.7845 to obtain the next scheduled meeting time and to confirm attendance.

Students interested in completing the coursework for the Secondary Teacher Preparation Program for English must fulfill all of the requirements for the major in English and must also fulfill special course requirements specified by the State of California. These requirements are set forth in detail below and in a brochure available from Prof. Aimee Ross-Kilroy (aeross@lmu.edu, University Hall 3875, x82854).

The LMU Secondary Teacher Preparation Program for English is approved by the California Commission on Teacher Credentialing.

### Checklist for Students: Secondary Teacher Preparation Program in English at LMU

#### Pre-Major/Lower Division Requirements (12 semester hours)

ENGL 2201 Genres: Poetry *4 semester hours* or  
ENGL 2200 Genres: Drama *4 semester hours* or  
ENGL 2202 Genres: Fiction *4 semester hours*

ENGL 2203 Histories: British Literature I *4 semester hours*  
ENGL 2204 Histories: British Literature II *4 semester hours*

#### Upper Division (30 semester hours)

ENGL 3321 Shakespeare: The Major Plays *4 semester hours*  
or

ENGL 3322 Studies in Shakespeare *4 semester hours* or  
ENGL 3323 Shakespeare and Politics *4 semester hours*

ENGL Explorations *4 semester hours*  
ENGL Comparative Literature *4 semester hours*

ENGL 3375 StreetRead *4 semester hours* (preliminary field exp.) or

ENGL 3376 StreetWrite *4 semester hours* (preliminary field exp.)

ENGL 5569 Linguistics *4 semester hours*  
ENGL 5574 Rhetoric and Media *4 semester hours*  
ENGL 5565 Theory of Teaching Writing and Literature *4 semester hours*

#### Electives:

**8 semester hours of 2 Electives**, two electives of extended study in one of the domains. **Two courses taken from one of the domains:** 1) creative performance, 2) literary analysis, 3) rhetoric/composition, or 4) language and linguistics.

### University Core Integral to Teacher Preparation Program (11 semester hour)

#### Upper Division English Courses:

ENGL 3371 American Literature I *4 semester hours* or  
ENGL 3372 American Literature II *4 semester hours*  
(4 semester hours included in University Core to fulfill Interdisciplinary Connections requirement)

ENGL 3346 Children's Literature *4 semester hours*  
(4 semester hours included in University Core to fulfill Studies in American Diversity requirement)

#### Creative Arts Core (3 semester hours)

\* At least one course from the following Theatre Arts courses (\*\*also counts as University Core):

THEA 110 Beginning Acting *3 semester hours* (designed for the non-major)\*\*

Beyond the Creative Arts Core, students may additionally wish to take:

THEA 120 Stagecraft *3 semester hours* (with THEA 121 Stagecraft Lab *0 semester hours* \*\*)

THEA 351 Theatre Practicum: Performance *0 TO 3 semester hours* \*\*

#### Additional Course (4 semester hours)

Includes Communications Course (4 semester hours)

\* At least one course from Communications Studies courses:

CMST 2800 Advanced Public Communication *4 semester hours*

#### Note:

Beyond this course, students may also wish to take another communications course selected in consultation with STPP advisor.

#### Professional Course Work (30 semester hours)

EDUR 400 Sociocultural Analysis of Education *3 semester hours*

EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years *3 semester hours*

EDES 403 Reading and Content Learning in Middle and Secondary Schools *3 semester hours*

EDCE 412 Secondary Directed Teaching *9 TO 12 semester hours*

EDES 414 Theories and Policies of Second Language Acquisition *3 semester hours*

EDES 425 Methods in English Language Development and Specially Designed Academic Instruction in English for Elementary Educators *3 semester hours*

EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs *3 semester hours*

EDES 486 Methods in Teaching Secondary English *3 semester hours*

#### Total Semester Hours:

**12+36+14+30+36 additional semester hours of University Core=132 semester hours**

## Explanation of Coursework Required

Candidates must complete major requirements and liberal arts core requirements that address the four domains of competence. The courses listed above under pre-major, lower division (12 semester hours), and upper division (30 semester hours) will demonstrate competence in the Four Domains.

Candidates complete coursework in the Four Domains of Competence, including:

- The literature and textual analysis requirement by taking a **minimum of ten literature courses** (these ten courses are included in those listed above)
- The language, linguistics, and literacy requirements by taking ENGL 5569 Linguistics; and EDES 414 Theories and Policies of Second Language Acquisition
- The rhetoric and composition requirement by taking ENGL 5574 Rhetoric and Media; and ENGL 5565 Theory of Teaching Writing and Literature
- The communications, speech, media, and creative performance requirement by taking *one communications course* (CMST 2800 Advanced Public Communication); or *one theatre course* (THEA 110 Beginning Acting; THEA 120 Stagecraft/THEA 121 Stagecraft Lab THEA 351 Theatre Practicum: Performance; and *one media course* (ENGL 5574 Rhetoric and Media).

**Candidates must also complete extended studies in one of the domains.** This extended study consists of 8 semester hours or 2 electives in the selected domain. Students may not choose one course from one domain and one course from another. They must select their two elective courses from within one domain. Students can specialize in every genre and/or period and can select from a wide range of theory and writing courses, both creative and professional.

Domain Course Listings:

- Literature and Language Analysis
- Language, Linguistics, Literacy
- Composition and Rhetoric
- Communications, Speech, Media, and Performance

## Advising Assistance: STPP in English

**A Message from the School of Education:** Please contact the School of Education at [soeinfo@lmu.edu](mailto:soeinfo@lmu.edu) for information about all available Secondary Teacher Preparation Programs. All students interested in teaching English in middle schools or high schools should meet with their departmental advisor (Dr. Aimee Ross-Kilroy) as soon as possible and must also attend a mandatory School of Education Undergraduate Information Session. Please call 310.338.7845 option #2 to obtain the next scheduled meeting time and to confirm attendance. The advisor for STPP students regarding the School of Education is Terri Taylor, [ttaylor@lmu.edu](mailto:ttaylor@lmu.edu).

**The Center for Undergraduate Teacher Preparation (CUTP)** is also available to assist students interested in teaching careers in both secondary and elementary education. Please contact Michael Cersosimo, Assistant Director of CUTP, [Michael.Cersosimo@lmu.edu](mailto:Michael.Cersosimo@lmu.edu) or Dr. Annette Pijuan Hernandez, Senior Director of CUTP, [Annette.Hernandez@lmu.edu](mailto:Annette.Hernandez@lmu.edu). The Center for Undergraduate Teacher Preparation (CUTP) has a library of information and advice for teachers and also sponsors several informational programs every year. CUTP is located in UH 3404, 310.338.1748.

Students interested in completing the coursework for the Secondary Teacher Preparation Program in English must fulfill all of the requirements for the major in English and must also fulfill special course requirements specified by the State of California. These

requirements are set forth in detail in the "Secondary Teacher Preparation Program in English" section of the University Bulletin under English Department.

Students should consult with the **Director/Advisor for the Secondary Teacher Preparation Program in English**, Dr. Aimee Ross-Kilroy ([aeross@lmu.edu](mailto:aeross@lmu.edu)), UH 3868, x83718 to sign up for the program and to discuss their course of study, especially their English course.

## Undergraduate-Level Coursework Plan for the Secondary Teacher Preparation Program for English

The Secondary Teacher Preparation Program for English is designed for students who anticipate teaching English in grades 6-8 or 9-12. Because of the rigorous standards set by the State of California for teacher credentialing, the Program at LMU is very specific in terms of the coursework you will be taking. With careful planning, however, it is possible to complete an English major, the University's Core Curriculum requirements, the Secondary Teacher Preparation Program for English, and the School of Education's required courses in four years (eight semesters).

## Four-Year Plan for the English Major (120 Semester Hours)

### Freshman Year

#### Fall Semester

FFYS 1000 First Year Seminar 3 OR 4 semester hours  
MATH 102 Quantitative Skills for the Modern World 3 semester hours or higher  
University Core 3-4 semester hours  
University Core 3-4 semester hours  
Elective 3-4 semester hours

Total: 15-19 semester hours

#### Spring Semester

RHET 1000 Rhetorical Arts 3 OR 4 semester hours  
HIST 1998 Special Studies 1 TO 4 semester hours  
THEA 110/120/121/351 3 semester hours  
University Core 3-4 semester hours  
Social Science Lower Division Core 4 semester hours

Total: 17-19 semester hours

### Sophomore Year

#### Fall Semester

ENGL 2201 Genres: Poetry 4 semester hours  
ENGL 2203 Histories: British Literature I 4 semester hours  
EDUR 400 Sociocultural Analysis of Education 3 semester hours  
EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 semester hours  
University Core 3-4 semester hours

Total: 17-18 semester hours

#### Spring Semester

ENGL 2200 Genres: Drama 4 semester hours or

ENGL 2202 Genres: Fiction *4 semester hours*

ENGL 2204 Histories: British Literature II *4 semester hours*  
EDES 414 Theories and Policies of Second Language  
Acquisition *3 semester hours*  
EDSS 440 Introduction to the Culturally and Linguistically  
Diverse Student with Exceptional Needs *3 semester hours*  
University Core *3-4 semester hours*

Total: 17-18 semester hours

## Junior Year

### Fall Semester

ENGL 3321 Shakespeare: The Major Plays *4 semester hours*  
*or*  
ENGL 3322 Studies in Shakespeare *4 semester hours*

ENGL 3346 Children's Literature *4 semester hours*

ENGL 3371 American Literature I *4 semester hours or*  
ENGL 3372 American Literature II *4 semester hours*

ENGL Pre-1800 Literature *3 semester hours*  
EDES 425 Methods in English Language Development and  
Specially Designed Academic Instruction in English for  
Elementary Educators *3 semester hours*

Total: 19 semester hours

### Spring Semester

ENGL 3375 StreetRead *4 semester hours or*  
ENGL 3376 StreetWrite *4 semester hours*

ENGL 5569 Linguistics *4 semester hours*  
ENGL Post-1800 Amer/Engl *4 semester hours*  
ENGL Comparative or Cultural Literature *4 semester hours*  
EDES 486 Methods in Teaching Secondary English *3 semester  
hours*  
University Core *3-4 semester hours*

Total: 22-23 semester hours

## Senior Year

### Fall Semester

ENGL 5565 Theory of Teaching Writing and Literature *4  
semester hours*  
ENGL 5574 Rhetoric and Media *4 semester hours*  
ENGL Upper Division (choose same Domain) *4 semester hours*  
ENGL Upper Division (choose same Domain) *4 semester hours*  
University Core *3-4 semester hours*

Total: 19-20 semester hours

### Spring Semester

EDCE 412 Secondary Directed Teaching *9 TO 12 semester  
hours*  
EDES 403 Reading and Content Learning in Middle and  
Secondary Schools *3 semester hours*

Total: 12-15 semester hours

## Note:

This four-year plan is only a model. Course offerings vary from semester to semester. In every semester the student must meet with his or her advisor in order to decide how best to continue one's education.

## Secondary Teacher Preparation Program in Social Science (History)

The LMU Secondary Teacher Preparation Program in Social Science is designed for students who are seeking history and social science teaching positions in grades 6-8 or 9-12 in school settings that are departmentalized.

This program includes courses both in the Bellarmine College of Liberal Arts and the School of Education, and it leads towards the 2042 Preliminary Single-Subject Teaching Credential granted by the State of California Commission on Teacher Credentialing.

Students are able to complete the LMU Secondary Teacher Preparation Program in Social Science at the same time that they complete a B.A. degree with a major either in History or Political Science. The LMU Secondary Teacher Preparation Program in Social Science has been approved by the California Commission on Teacher Credentialing.

## Secondary Teacher Preparation Program in Social Science (History) Major Requirements:

### History Major Requirements:

#### Lower Division History Requirements:

Four (4) courses (16 semester hours) distributed as follows:  
One (1) World Regions (Middle East, Asia, Latin America, or Africa) HIST course *4 semester hours*  
One (1) European HIST course *4 semester hours*  
One (1) United States HIST course *4 semester hours*  
HIST 2000 What Is History? *4 semester hours*

#### Upper Division History Requirements:

Six (6) courses (24 semester hours), distributed as follows:  
HIST 4412 History of California *4 semester hours*  
One (1) World Regions (Middle East, Asia, Latin America, or Africa) HIST course *4 semester hours*  
One (1) European HIST course *4 semester hours*  
One (1) United States HIST course *4 semester hours*  
One (1) additional upper-division HIST course *4 semester hours*  
One (1) 5000-level HIST seminar *4 semester hours*

### Social Science Course Requirements:

Five (5) courses (20 semester hours), distributed as follows:  
ECON 1050 Introductory Economics *4 semester hours*

GEOG 1000 Human Geography *4 semester hours or*  
GEOG 2000 World Geography *4 semester hours*

THST 1080 Comparative Theology *4 semester hours or*  
THST 1500 World Religions of Los Angeles *4 semester hours*

POLS 1200 U.S. Politics *4 semester hours*

POLS 1400 Comparative Politics *4 semester hours or*  
POLS 1600 International Relations *4 semester hours*

## Education Requirements:

30 or 33 semester hours, distributed as follows:

- EDUR 400 Sociocultural Analysis of Education 3 *semester hours*
- EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 *semester hours*
- EDES 414 Theories and Policies of Second Language Acquisition 3 *semester hours*
- EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs 3 *semester hours*
- EDES 426 Methods in English Language Development and Specially Designed Academic Instruction in English for Secondary Educators 3 *semester hours* \*
- EDES 403 Reading and Content Learning in Middle and Secondary Schools 3 *semester hours* \*
- EDES 485 Methods in Teaching Secondary Social Studies 3 *semester hours* \*
- EDCE 412 Secondary Directed Teaching 9 TO 12 *semester hours* \*

### Note:

Courses marked \* cannot be taken prior to formal acceptance into the School of Education.

School of Education Teacher Performance Assessment (TPA) Coursework for the Secondary-Level Teaching Credential:

- EDCE 461 Teaching Performance Assessment 1 0 *semester hours*
- EDCE 462 Teaching Performance Assessment 2 0 *semester hours*
- EDCE 463 Teaching Performance Assessment 3 0 *semester hours*
- EDCE 464 Teaching Performance Assessment 4 0 *semester hours*
- EDES 8000 Health Education 1 *semester hour*

Total STPP in Social Sciences: 30-33 semester hours

Additional Units of either University Core or Electives: 124 semester hours

## Four-Year Plan for the History Major Doing the Secondary Teacher Preparation Program

By following the model below, a student will complete most lower-division University Core requirements by the end of the sophomore year as well as all lower-division HIST major prerequisites. Note that University Core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common LMU graduation requirements.

### Freshman Year

#### Fall Semester

- FFYS 1000 First Year Seminar 3 OR 4 *semester hours*
- HIST Lower Division 4 *semester hours*

- THST 1080 Comparative Theology 4 *semester hours* or
- THST 1500 World Religions of Los Angeles 4 *semester hours*

POLS 1200 U.S. Politics 4 *semester hours*

Total: 15-16 semester hours

#### Spring Semester

- RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*
- HIST Lower Division 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

HIST Lower Division 4 *semester hours*

GEOG 1000 Human Geography 4 *semester hours* or  
GEOG 2000 World Geography 4 *semester hours*

University Core 3-4 *semester hours*

EDUR 400 Sociocultural Analysis of Education 3 *semester hours*

Total: 14-15 semester hours

#### Spring Semester

- HIST 2000 What Is History? 4 *semester hours*
- HIST Upper Division 4 *semester hours*
- University Core 3-4 *semester hours*
- EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years 3 *semester hours*

Total: 14-15 semester hours

### Junior Year

#### Fall Semester

HIST Upper Division 4 *semester hours*  
University Core 3-4 *semester hours*

POLS 1400 Comparative Politics 4 *semester hours* or  
POLS 1600 International Relations 4 *semester hours*

EDES 414 Theories and Policies of Second Language Acquisition 3 *semester hours*

EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs 3 *semester hours*

Total: 17-18 semester hours

#### Spring Semester

- HIST Upper Division 4 *semester hours*
- HIST 4412 History of California 4 *semester hours*
- ECON 1050 Introductory Economics 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-16 semester hours

### Senior Year

## Fall Semester

HIST Upper Division *4 semester hours*  
EDES 426 Methods in English Language Development and Specially Designed Academic Instruction in English for Secondary Educators *3 semester hours*  
EDES 403 Reading and Content Learning in Middle and Secondary Schools *3 semester hours*  
EDES 485 Methods in Teaching Secondary Social Studies *3 semester hours*  
University Core 3-4 *semester hours*

Total: 16-17 semester hours

## Spring Semester

HIST Seminar (HIST 5000-5899) *4 semester hours*  
EDCE 412 Secondary Directed Teaching 9 TO 12 *semester hours*

Total: 13-16 semester hours

### Note:

Every semester, students in the LMU Secondary Teacher Preparation Program (STPP) in Social Science should meet with his or her History Department advisor, the director of the STPP in Social Science, and the advisor in the LMU Center for Undergraduate Teacher Preparation (CUTP).

Contact Dr. Lance Blakesley at [lblakesl@lmu.edu](mailto:lblakesl@lmu.edu), University Hall 4127, 310.338.7377. Also, contact the Center for Undergraduate Teacher Preparation (CUTP) at [cutp@lmu.edu](mailto:cutp@lmu.edu), University Hall 3346, 310.258.8806.

### Secondary Teacher Preparation Program in Social Science (Political Science)

The LMU Secondary Teacher Preparation Program in Social Science is designed for students who are seeking history and social science teaching positions in grades 6-8 or 9-12 in school settings that are departmentalized.

This program includes courses both in the Bellarmine College of Liberal Arts and the School of Education, and it leads towards the 2042 Preliminary Single-Subject Teaching Credential granted by the State of California Commission on Teacher Credentialing.

Students are able to complete the LMU Secondary Teacher Preparation Program in Social Science at the same time that they complete a B.A. degree with a major either in History or Political Science. The LMU Secondary Teacher Preparation Program in Social Science has been approved by the California Commission on Teacher Credentialing.

### Secondary Teacher Preparation Program in Social Science (Political Science) Major Requirements:

#### Political Science Major Requirements:

##### Lower Division Political Science Requirements:

Four (4) courses (16 semester hours) distributed as follows:  
POLS 1200 U.S. Politics *4 semester hours*

POLS 1400 Comparative Politics *4 semester hours* or  
POLS 1600 International Relations *4 semester hours*

POLS 2000 Foundations of Political Theory *4 semester hours*  
POLS 2100 Empirical Approaches *4 semester hours*

##### Upper Division Political Science Requirements:

Six (6) courses (24 semester hours) distributed as follows:  
One (1) United States Politics course *4 semester hours*  
One (1) Comparative Politics course *4 semester hours*  
One (1) International Relations course *4 semester hours*  
Two (2) additional POLS upper-division courses *8 semester hours*  
One (1) 5000-level POLS seminar *4 semester hours*

##### History Course Requirements:

##### Lower Division History Requirements:

Three (3) courses (12 semester hours) distributed as follows:  
One (1) World Regions (Middle East, Asia, Latin America, or Africa) HIST course *4 semester hours*  
One (1) European HIST course *4 semester hours*  
One (1) United States HIST course *4 semester hours*

##### Upper Division History Requirements:

Five (5) courses (20 semester hours) distributed as follows:  
HIST 4412 History of California *4 semester hours*  
One (1) World Regions (Middle East, Asia, Latin America, or Africa) HIST course *4 semester hours*  
One (1) European HIST course *4 semester hours*  
One (1) United States HIST course *4 semester hours*  
One (1) additional upper-division HIST course *4 semester hours*

##### Social Science Course Requirements:

Three (3) courses (12 semester hours) distributed as follows:  
ECON 1050 Introductory Economics *4 semester hours*

GEOG 1000 Human Geography *4 semester hours* or  
GEOG 2000 World Geography *4 semester hours*

THST 1080 Comparative Theology *4 semester hours* or  
THST 1500 World Religions of Los Angeles *4 semester hours*

##### Education Requirements:

30 or 33 semester hours, distributed as follows:  
EDUR 400 Sociocultural Analysis of Education *3 semester hours*  
EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years *3 semester hours*  
EDES 414 Theories and Policies of Second Language Acquisition *3 semester hours*  
EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs *3 semester hours*  
EDES 426 Methods in English Language Development and Specially Designed Academic Instruction in English for Secondary Educators *3 semester hours* \*  
EDES 403 Reading and Content Learning in Middle and Secondary Schools *3 semester hours* \*  
EDES 485 Methods in Teaching Secondary Social Studies *3 semester hours* \*  
EDCE 412 Secondary Directed Teaching 9 TO 12 *semester hours* \*

**Note:**

Courses marked \* cannot be taken prior to formal acceptance into the School of Education.

**School of Education Teacher Performance Assessment (TPA) Coursework for the Secondary-Level Teaching Credential:**

EDCE 461 Teaching Performance Assessment 1 *0 semester hours*

EDCE 462 Teaching Performance Assessment 2 *0 semester hours*

EDCE 463 Teaching Performance Assessment 3 *0 semester hours*

EDCE 464 Teaching Performance Assessment 4 *0 semester hours*

EDES 8000 Health Education *1 semester hour*

**Total STPP in Social Sciences: 117-120 semester hours**

**Note:**

Because it would be very difficult for a student with a Political Science Major to complete all of the POLS, additional STPP, and University Core course requirements in 8 undergraduate semesters, students should plan to either complete some of the required courses during a 9th undergraduate semester, during summer sessions, or by completing graduate-level education courses in a School of Education program.

Contact Dr. Lance Blakesley at [lblakesl@lmu.edu](mailto:lblakesl@lmu.edu), University Hall 4127, 310.338.7377. Also, contact the Center for Undergraduate Teacher Preparation (CUTP) at [cutp@lmu.edu](mailto:cutp@lmu.edu), University Hall 3346, 310.258.8806.

**Other Programs**

**Teacher Preparation Programs in Biology, Chemistry, and Mathematics**

The Frank R. Seaver College of Science and Engineering offers subject matter preparation programs in mathematics and in science specifically designed to meet State of California subject matter requirements for a secondary teaching credential. Both the Bachelor of Arts degree in Mathematics (see the Mathematics section) and the Bachelor of Science degree in Natural Science (see the Natural Science section) are designed to allow completion of the 2042 California Preliminary Single Subject (Secondary) credential in four years, although this may require some summer coursework. These programs are offered in conjunction with the Center for Undergraduate Teacher Preparation and the School of Education. The College also offers courses in mathematics and science to support the multiple subject credential program for teaching elementary school (see the Liberal Studies section in the Bellarmine College of Liberal Arts part of the University Bulletin).

All students interested in teaching mathematics or science at the secondary level should inform their departmental advisors as soon as possible and should also contact the Center for Undergraduate Teacher Preparation and the School of Education to arrange a time to attend an Undergraduate Information Session.

## Course Descriptions

### Accounting (ACCT)

#### ACCT 2110 Financial Accounting

3 semester hours

This is the first course in a two-accounting-course sequence that is required for all business majors. This course introduces the student to 1) the role of accounting in business and society, 2) the basic concepts and techniques of financial accounting and 3) the use of financial statements for decision-making purposes. Topics covered include analyzing and recording business transactions; preparation of accounting records for business organizations; accounting valuations of financial resources; and the preparation, interpretation, and analysis of financial statements.

Prerequisites: MATH 112 or MATH 120 or MATH 131, all with a minimum grade of C (2.0).

#### ACCT 2120 Accounting Information for Decision Making

3 semester hours

This course involves study of managerial accounting, in which economic information (both qualitative and quantitative) is used to make strategic business decisions. This course is the second of two introductory accounting courses (business core prerequisite: ACCT 2110 Financial Accounting) required for all business majors and as a prerequisite to all other accounting courses. Managerial accounting information is used to make decisions that guide the organization through planning, organizing, directing, and controlling activities. Strategic decision making requires a future orientation to the information, with relevant and flexible data. This course draws heavily from economics, finance, management, and marketing.

Prerequisites: ACCT 2110; BADM 1030; MATH 112 or MATH 131, all with a minimum grade of C (2.0).

University Core fulfilled: Flag: Information Literacy.

#### ACCT 3110 Intermediate Accounting I

4 semester hours

This course begins the in-depth study of financial accounting and reporting. Topics covered include the environment of the standard setting process for financial reporting, the conceptual framework, basic financial accounting concepts, accounting cycle procedures, financial statement preparation and financial disclosures, basic ratio analysis, revenue recognition, present value applications, and accounting standards and procedures for cash, notes and accounts receivable, and inventories. Uses and limitations of the balance sheets, income statements, and statements of cash flows are studied. Researching accounting issues through the use of the FASB's Codification database is integrated throughout the course.

Prerequisites: BADM 1030 and ACCT 2120, both with a minimum grade of C (2.0).

#### ACCT 3120 Intermediate Accounting II

4 semester hours

This course continues the in-depth study of financial accounting and reporting introduced in ACCT 3110. The conceptual and procedural aspects of some of the complex and controversial topics in financial accounting are studied from both the U.S. and an international accounting perspective. Topics include the accounting for property, plant, and equipment, intangible assets, investments, long-term debt, leases, deferred income taxes, contingent liabilities, pensions and other post-retirement benefits, and several issues relating to stockholders' equity. Coverage of these topics includes an historical perspective, current practice, awareness of limitations in current practice, and possible future directions. Researching accounting issues through the use of the FASB's Codification database is integrated throughout the course.

Prerequisite: ACCT 3110 with a minimum grade of C (2.0).

#### ACCT 3130 Cost Management

4 semester hours

This course continues the process of analyzing economic events within the framework of accounting information systems and the use of information in the management decision-making process. Students are expected to analyze and evaluate business operations and activities. The topics will include those of the traditional product costing methods as well as cost management topics. Advanced topics of decision making structure, together with the measurement of performance, and the new competitive environment are covered during the last part of the semester. This course draws heavily from other disciplines, especially the fields of management and economics.

Prerequisite: ACCT 2120 with a minimum grade of C (2.0).

#### ACCT 3140 Accounting Information Systems

4 semester hours

This course introduces students to the fundamentals of accounting information systems including enterprise systems, transaction processing, database design and management concepts, system documentation techniques, business processes, risk assessments, and internal controls. Various computer applications are used to provide hands-on experience of accounting information collection, processing, and reporting to reinforce financial and managerial accounting concepts within the context of accounting information systems.

Accounting majors only, except by permission of instructor.

Prerequisites: ACCT 2120 and BADM 1030, both with a minimum grade of C (2.0).

#### ACCT 3197 Internship

1 semester hour

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

Prerequisite: ACCT 3110 with a minimum grade of C (2.0).

#### ACCT 4110 Advanced Accounting

4 semester hours

This course completes the undergraduate study of financial accounting and reporting. An emphasis is placed on consolidated financial statements. Additional topics covered include foreign currency transactions, translation of the financial statements of foreign entities, and governmental accounting for local and state governments. International financial reporting standards are integrated into the course content as applicable.

Accounting majors only, except by permission of instructor.

Prerequisites: ACCT 3120 with a minimum grade of C (2.0) and ACCT 3140.

#### ACCT 4120 Income Tax Accounting

4 semester hours

This is a comprehensive study of federal tax laws and administration with emphasis on the taxation of individuals. In addition, application of the components of the federal income tax formulas for partnerships, corporations, and other business entities will be examined.

Accounting majors/minors only, except by permission of instructor and approval of Associate Dean.

Prerequisite: ACCT 3110 with a minimum grade of C (2.0).

#### ACCT 4130 Financial Statements Analysis

#### *4 semester hours*

Financial statements provide information about entities' performance, the financial position, results of operations, and the cash flow of an organization to stakeholders. Analysis of financial data is a useful methodology in interpretation of financial reports and comparison of the results within the industry for assessing trends of the business performance. This course provides students with hands-on experience in financial statement analysis as students will be exposed to tools of financial analysis, theoretical concepts, and practical issues regarding measurement, valuation, and earnings management. Internal and external users of financial reports benefit from analyzing the relationships between and among components of financial statements and appraisal of financial performance.

Prerequisite: ACCT 3110 with a minimum grade of C (2.0).

#### **ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest**

##### *4 semester hours*

This course examines the role of accountants and the accounting profession in society. Students learn about the history, legal, and ethical responsibilities of the accounting profession. Major ethical theories are introduced and analyzed before applying them to ethical and justice issues that arise in accounting and business practice. Students are encouraged to adopt the objectivity, integrity, and ethical standards necessary to serve society as an accounting professional.

Accounting majors only, except by permission of instructor.

Prerequisites: ACCT 3110 and BADM 1020, both with a minimum grade of C (2.0).

University Core fulfilled: Integrations: Ethics and Justice.

#### **ACCT 4160 Auditing**

##### *4 semester hours*

This course covers the Audit Profession and the responsibilities of the Auditor, Ethics and the role of other audit professions. It also covers the tools and techniques for conducting an audit, sampling techniques and their application, the areas to be audited and the reporting requirements after an audit is completed. Discussions are also conducted on the requirements for audits of public companies under Sarbanes-Oxley (2002), the use of technology and its impact on the audit process, and the role of regulatory bodies in maintaining the accountability of the accounting profession.

Accounting majors only, except by permission of instructor and approval of Associate Dean.

Prerequisites: ACCT 3120, ACCT 3140, and ECON 2300 or ECON 2350 or MATH 104, with a minimum grade of C (2.0); ACCT 3130.

#### **ACCT 4180 Fraud Examination**

##### *3 semester hours*

An introductory course designed for business managers and those beginning careers in accounting and auditing. The course stresses the nature of fraud, its litigation, approaches to detecting and preventing fraud, fraud inquiry methods, and reports issued by fraud examiners. Specific topics covered include: financial statement fraud, asset conversion frauds, computer frauds, and bankruptcy frauds. The course advocates a more careful and skeptical view of financial transactions and information.

Prerequisite: ACCT 3110 with a minimum grade of C (2.0).

#### **ACCT 4198 Special Studies**

##### *1 TO 3 semester hours*

#### **ACCT 4199 Independent Studies**

##### *1 TO 3 semester hours*

#### **ACCT 5110 Advanced Accounting Topics**

##### *4 semester hours*

A graduate study of financial accounting and reporting, Advanced

Accounting includes comprehensive coverage of the accounting and reporting for investment activities of businesses. Specific areas covered include: the equity method of accounting for investments; business combinations; the reporting of consolidated financial statements; the recording of foreign currency transaction and hedging risk; the translation of foreign financial statements; the integration of applicable International Financial Reporting Standards with USGAAP; and an introduction to accounting and reporting the activities of state and local governmental units. Individual student research into related advanced accounting areas is expected. Graduate standing required.

#### **ACCT 5198 Special Studies**

##### *1 TO 3 semester hours*

#### **ACCT 6110 Financial Reporting—Standard Setting Process and Financial Accounting Theory**

##### *3 semester hours*

This course covers the following topics: the financial accounting standard setting process in the U.S. and internationally; accounting theory and practice; introduction to academic papers in financial accounting; and other corporate financial reporting. An individual student research project is expected.

Graduate standing required.

#### **ACCT 6112 Accounting and Finance Concepts for Strategic Planning**

##### *3 semester hours*

Through the lens of the Chief Financial Officer, this course aims to highlight common mistakes in strategic planning and prepare students to convincingly document critical assumptions, incorporating global trends, ethics, and real world risk management. Key concepts that help to evaluate initial funding, cash flows, and return on investment in formats used in banks and boardrooms are examined.

Graduate standing required.

#### **ACCT 6114 The CFO Perspective**

##### *3 semester hours*

The roles and responsibilities of the Chief Financial Officer (CFO) in multiples industries and contexts are examined in depth to understand the relationships among the financial, operational, and strategic issues of the firm. Multiple perspectives on the role of the CFO are explored.

Graduate standing required.

#### **ACCT 6120 Taxes and Business Strategy**

##### *3 semester hours*

The purpose of this course is to provide a framework for understanding how taxes affect business decisions. The framework considers contracting parties, federal taxes, and relevant costs. The course will include topics such as tax planning for investments and compensation; tax planning for mergers, acquisitions, and divestitures; and domestic and international tax planning for various legal entities.

Graduate standing required.

#### **ACCT 6130 Accounting Information, Analysis, and Evaluation**

##### *3 semester hours*

This course involves the analysis and evaluation of the accounting systems, profitability measures, and controls. Quantitative and statistical methods and techniques are used in data analysis to help formulate and implement strategies that create value for stakeholders. Students are introduced to measurement theory and hypothesis testing, statistical operational control, and competitive pricing strategies as well as forecasting sales and profits. Ethical dimensions of business decisions are examined as accounting data are used to understand and communicate performance trends,

responsibility reports, and design rewards system in relation to organizational goals.

Graduate standing required.

### **ACCT 6150 Accounting Ethics, Professionalism, and the Public Interest**

*3 semester hours*

Accountants play an important role in society. Their role is examined in this course through an in-depth study of accounting ethics, professionalism, and the public interest. Students learn about and analyze the history of the profession; the legal and ethical responsibilities of the profession; important legislation that has impacted the profession and the practice of accounting, particularly auditing; and the current environment in which accountants and auditors work. The course also exposes students to moral reasoning and ethical decision making and encourages students to adopt the objectivity, integrity, and ethical standards necessary to serve society as an accounting professional.

Graduate standing required.

### **ACCT 6160 Advanced Auditing**

*3 semester hours*

This course examines advanced topics in financial statement auditing, such as: influence of capital market intermediaries, auditor litigation, due diligence of issues and clients, detecting errors and fraud, analytical procedures, impairment reviews, going-concern assessment, integrating substantive audit procedures with COSO, Sarbanes-Oxley prescribed reviews of internal controls over financial reporting, risk detection and assessment/quantification, and hands-on computer assisted audit tools and techniques (CAATs). Graduate standing required.

### **ACCT 6170 Professional Accounting Research**

*3 semester hours*

This course provides an in-depth examination of the professional accounting and auditing research process and the communication of research results. This includes issue identification, location and evaluation of authority using online and electronic accounting, auditing, and tax research databases, developing conclusions and recommendations, and communication of results.

Graduate Accounting majors only.

### **ACCT 6180 Fraud Examination**

*3 semester hours*

The course stresses the nature of fraud, its litigation, approaches to detecting and preventing fraud, fraud inquiry methods, and reports issued by fraud examiners. Specific topics covered include: financial statement fraud, asset conversion frauds, computer frauds, and bankruptcy frauds. The course advocates a more careful and skeptical view of financial transactions and information.

Graduate standing required.

### **ACCT 6197 Internship Experience**

*1 TO 3 semester hours*

The objective of this course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

### **ACCT 6198 Special Studies**

*1 TO 3 semester hours*

### **ACCT 6199 Independent Studies**

*1 TO 3 semester hours*

## **Aerospace Studies (AERO)**

### **AERO 100 Foundation of the USAF I**

*1 semester hour*

A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officers Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, officer career field opportunities, group leadership experiences, and an introduction to communication skills.

### **AERO 101 Foundation of the USAF II**

*1 semester hour*

A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officers Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, officer career field opportunities, group leadership experiences, and an introduction to communication skills.

### **AERO 102 Laboratory I**

*0 semester hours*

Students are exposed to leadership experiences by learning basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities. (Taken concurrently with AERO 100, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

### **AERO 103 Laboratory II**

*0 semester hours*

Students are exposed to leadership experiences by learning basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities. (Taken concurrently with AERO 101, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

### **AERO 200 The Evolution USAF Air and Space Power I**

*1 semester hour*

A course designed to examine general aspects of air and space power through a historical perspective. Featured topics include: a study of Air Force history and heritage, significant Air Force leaders and their contributions, and key service issues, ethics, and values. Students give oral and written presentations and participate in group leadership exercises.

### **AERO 201 The Evolution of USAF Air and Space Power II**

*1 semester hour*

A course designed to examine general aspects of air and space power through a historical perspective. Featured topics include: a study of Air Force history and heritage, significant Air Force leaders and their contributions, and key service issues, ethics, and values. Students give oral and written presentations and participate in group leadership exercises.

### **AERO 202 Laboratory III**

*0 semester hours*

Students are exposed to leadership experience by directing others in basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities. (Taken concurrently with AERO 200, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

### **AERO 203 Laboratory IV**

*0 semester hours*

Students are exposed to leadership experience by directing others in basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities. (Taken concurrently with AERO 201, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

**AERO 300 Air Force Leadership Studies I**

*3 semester hours*

A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and advanced communication skills. Case studies are used to examine Air Force leadership and management situations by demonstrating and exercising practical application of the concept being studied.

**AERO 301 Air Force Leadership Studies II**

*3 semester hours*

A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and advanced communication skills. Case studies are used to examine Air Force leadership and management situations by demonstrating and exercising practical application of the concept being studied. Corequisite: AERO 303.

**AERO 302 Laboratory V**

*0 semester hours*

Students experience leadership by supervising basic military drill and ceremonies, and planning and participating in physical fitness activities and challenging group activities.

(Taken concurrently with AERO 300, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

**AERO 303 Laboratory VI**

*0 semester hours*

Students experience leadership by supervising basic military drill and ceremonies, and planning and participating in physical fitness activities and challenging group activities.

(Taken concurrently with AERO 301, mandatory for cadets, not offered to students not pursuing an AFROTC commission).

**AERO 400 National Security Affairs Preparation for Active Duty I**

*3 semester hours*

Students examine the national security process, regional studies, the complexities of just war theory and how it relates to the laws of armed conflict, advanced leadership ethics, and Air Force and Joint Doctrine. Special topics of interest focus on the military profession, officership, civilian control of the military, and current issues. Effective communication skills continue to be emphasized.

**AERO 401 National Security Affairs Preparation for Active Duty II**

*3 semester hours*

Students examine the national security process, regional studies, the complexities of just war theory and how it relates to the laws of armed conflict, advanced leadership ethics, and Air Force and Joint Doctrine. Special topics of interest focus on the military profession, officership, civilian control of the military, and current issues. Effective communication skills continue to be emphasized.

**AERO 402 Laboratory VII**

*0 semester hours*

Students assume full responsibility for planning and running the leadership laboratory to include control of budgets and equipment, directing military drill and ceremonies, planning and participating in physical fitness activities, organizing trips and formal dinners, and designing and executing challenging group activities.

(Taken concurrently with AERO 400, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

**AERO 403 Laboratory VIII**

*0 semester hours*

Students assume full responsibility for planning and running the leadership laboratory to include control of budgets and equipment, directing military drill and ceremonies, planning and participating in

physical fitness activities, organizing trips and formal dinners, and designing and executing challenging group activities.

(Taken concurrently with AERO 401, mandatory for cadets, not offered to students not pursuing an AFROTC commission.)

**African American Studies (AFAM)****AFAM 1211 Introduction to African American Studies**

*4 semester hours*

An introductory course designed to give an overview of African American Studies in order to familiarize the student with the history, culture, aspirations, and contemporary issues of the African American experience.

University Core fulfilled: Foundations: Studies in American Diversity.

**AFAM 1998 Special Studies**

*1 TO 4 semester hours*

**AFAM 1999 Independent Studies**

*1 TO 4 semester hours*

**AFAM 2221 Black Cultural Arts**

*4 semester hours*

A study of the Black Aesthetic as expressed in cultural productions such as music, dance, theatre, film, television, painting, sculpture, and literature along with the intersection of the cultural politics of race in American society.

University Core fulfilled: Foundations: Studies in American Diversity.

**AFAM 2243 Social Science Research Methods**

*4 semester hours*

An introduction to the application and interpretation of statistical analysis to produce knowledge about race and ethnicity with a special emphasis on African Americans.

University Core fulfilled: Foundations: Quantitative Reasoning.

**AFAM 2261 Gospel Choir I**

*1 semester hour*

Students participating in LMU Gospel Choir enroll in this course.

**AFAM 2262 Gospel Choir II**

*1 semester hour*

Students participating in LMU Gospel Choir enroll in this course.

Prerequisite: AFAM 2261.

**AFAM 2263 Gospel Choir III**

*1 semester hour*

Students participating in LMU Gospel Choir enroll in this course.

Prerequisite: AFAM 2262.

**AFAM 2264 Gospel Choir IV**

*1 semester hour*

Students participating in LMU Gospel Choir enroll in this course.

Prerequisite: AFAM 2263.

**AFAM 2623 Comics, Race, and Representation**

*4 semester hours*

Comic books are considered one of only two original American art forms (jazz is the other), and American culture is thoroughly imbued with their influence and iconography. This course explores perspectives and debates concerning the way comic books have presented, engaged, promoted, and rejected notions related to race, particularly Black racial formations, in America.

**AFAM 2998 Special Studies**

*1 TO 4 semester hours*

**AFAM 2999 Independent Studies**

1 TO 4 semester hours

**AFAM 3112 African American Religious Traditions**

4 semester hours

This course examines the history of the African American church (broadly defined) as well as its important role in social activism. University Core fulfilled: Integrations: Interdisciplinary Connections.

**AFAM 3211 African American History**

4 semester hours

An analysis of the historical forces which shaped the African American experience in America from past to present. University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Engaged Learning.

**AFAM 3231 The African American Religious Tradition**

4 semester hours

An examination of the history and practices of the African American church and the role it has played in the development of African American identity, culture, and social activism.

**AFAM 3241 Africana Philosophy**

4 semester hours

An exploration of themes and movements in Africana philosophy with special emphasis on the critique of exclusively Eurocentric philosophical paradigms.

**AFAM 3308 Major Themes in African American History**

4 semester hours

Explores the major historical themes in African American History such as Slavery and Freedom, The Harlem Renaissance, Civil Rights and Black Power, and African Americans at the Turn of the 21st Century.

University Core fulfilled: Flag: Engaged Learning.

Corequisite: AFAM 3309.

**AFAM 3309 Engaged Learning Lab**

0 semester hours

This course is a zero-semester-hour lab that is required for AFAM 3308.

Credit/No Credit grading.

Corequisite: AFAM 3308.

**AFAM 3432 Black Families**

4 semester hours

This course traces the development of family theory, meanings, representation, and formation from the period of slavery up to recent times. The course engages long-standing and current debates about black families in the research scholarship across disciplines and in the society at large.

University Core fulfilled: Flag: Engaged Learning.

**AFAM 3621 African American Literature**

4 semester hours

A study of the major themes in selected works of African American literature; examination of their social, historical, cultural, and contemporary significance.

**AFAM 3623 American Cinema and Black Representation**

4 semester hours

In the post-Civil Rights era, African Americans are a part of American culture in ways that reflect not only a high degree of visibility but also extraordinary popularity. American cinema is a significant visual medium that has delivered various representations of Black people, racial progress, and notions of racial pathology (whether real or fictional). This course examines how American cinema has defined the issue of race in American society.

**AFAM 3643 Sociology of the Black Community**

4 semester hours

A survey of the effects of long-standing discrimination and deprivation upon family structure, occupational patterns, health and educational conditions, motivation, and personal as well as group identity. An analysis of the Black power concept and its influence upon the growing community control of the ghetto.

University Core fulfilled: Flag: Engaged Learning.

**AFAM 3998 Special Studies**

1 TO 4 semester hours

**AFAM 3999 Independent Studies**

1 TO 4 semester hours

**AFAM 4241 Race, Gender, and the Law**

4 semester hours

This course will explore the ways in which the American legal system has contributed to the shaping of race and gender in American culture.

**AFAM 4422 Hip Hop Culture**

4 semester hours

This course will explore how and why hip hop has become a global phenomenon, examining themes within hip hop culture with a primary focus on race, gender, class, sexuality, and youth politics of hip hop.

**AFAM 4433 Black Culture and Identities**

4 semester hours

This course focuses on a critical interrogation of notions of blackness and authenticity in racial identification. The course examines constructions and (mis)representations of blackness, mixed race, as well as trans-national expressions of culture, resistance, and self-expression in the construction of family and identities.

**AFAM 4631 Black Los Angeles**

4 semester hours

This course reviews the social, economic, political, environmental, and spatial characteristics of Los Angeles. Students will be introduced to various theories and methods of examining urbanization, racial segregation, and economic development in order to develop a critical understanding of the contemporary circumstances of Blacks in Los Angeles.

**AFAM 4641 Capstone Project**

4 semester hours

Designed as a capstone experience for African American Studies majors and minors. In the seminar format, students will be challenged to integrate knowledge, skills gained in course work, and life experiences into a meaningful project that meets the challenge of academic excellence and social responsibility. Senior standing required.

**AFAM 4642 Sex, Race, and Violence**

4 semester hours

This course examines the issues of sex, race, and violence and their implications for the individual, the family, and the community. Emphasis is placed on the role of socialization and the myths that impact societal attitudes about sex and violence. Students have an opportunity to identify and to explore factors that influence the manifestation of physical violence (including dating violence, child abuse, and domestic violence), and sexual violence (including date rape, stranger rape, and marital rape) across the dimensions of race, ethnicity, and gender.

**AFAM 4644 African American Social Thought**

*4 semester hours*

A survey of the development of African American social thought with special emphasis upon current philosophies that influence contemporary African American social movements.

**AFAM 4998 Special Studies**

*1 TO 4 semester hours*

**AFAM 4999 Independent Studies**

*1 TO 4 semester hours*

**AFAM 5998 Special Studies**

*1 TO 4 semester hours*

**AFAM 5999 Independent Studies**

*1 TO 4 semester hours*

**Applied Information Management Systems (AIMS)**

**AIMS 2710 Management Information Systems**

*3 semester hours*

This course is designed to introduce students to the key concepts in MIS (Management Information Systems) and to enhance understanding of the issues that business organizations face when developing and managing information systems. The course will examine the fundamental principles associated with IT development and management and the increasing impact of information technology in business organizations. The field is in a state of flux, so the course will also examine emerging technologies and IT trends. By completing the course, students should be better equipped to make IT decisions, to participate in IT projects, and to communicate more knowledgeably with IT experts.

Must be taken in residence at LMU

Prerequisite: BADM 1030 with a grade of C (2.0) or higher.

**AIMS 3710 Database Management Systems**

*3 semester hours*

This course is intended for the student who wishes to become more proficient at developing and managing database applications. It is designed to provide an introduction to the conceptual foundations underlying database management systems, with an emphasis on its applications in business and organizations. The course begins with an introduction to the fundamental principles of database design—from data modeling to the actual implementation of a business application. Particular emphasis will be placed on the careful planning and analysis of business needs, which will lead to the appropriate development of an Entity-Relationship Model. Using these principles, each student will design and implement a database application using Access. This part of the course will employ lectures describing database theory, as well as hands-on tutorials demonstrating database concepts using Access. The second part of the course will further investigate the relational model, which is the basis for the most popular DBMS products on the marketplace today (i.e., Oracle, SQL Server, MS Access, Sybase). Topics to be studied include relational algebra, Structured Query Language (SQL), and maintaining data integrity in a relational design. In addition, important managerial concerns will be covered including database administration and the management of multi-user databases. No prior knowledge of database management systems is required, although a strong aptitude for computer-related work is helpful.

Prerequisites: ACCT 3140 or AIMS 2710; BADM 1030 with a grade of C (2.0) or better; or consent of instructor and approval of Associate Dean.

**AIMS 3720 Systems Analysis and Design**

*3 semester hours*

The course covers fundamental concepts in OO programming using the Java language. Objects represent entities in the real world with

properties whose values define their states, and with methods that describe the operations that can be performed on the objects. Objects can interact with each other by sending and receiving messages among themselves. In Java, the objects are represented as program modules, which encapsulate some portion of the objects' characteristics and operations or behavior. The course will tackle basic concepts dealing with object-oriented problem-solving and software development. Students will learn problem-solving skills and apply them to real-world program design and construction in the Java language.

Prerequisites: ACCT 3140 or AIMS 2710; BADM 1030 with a grade of C (2.0) or better; or consent of instructor and approval of Associate Dean.

**AIMS 3730 Programming for Business Applications**

*3 semester hours*

This course is an introduction to programming with an emphasis on its business application capability. Students will learn the basic techniques of programming from concepts to code. The objectives of this course are: making students comfortable with fundamental programming terminology and concepts, including data type, input/output, control statements methods, arrays, strings and files; giving students hands-on practical experience with modeling and problem solving; and illustrating to students how such models are translated into working business applications.

Prerequisites: ACCT 3140 or AIMS 2710; BADM 1030 with a grade of C (2.0) or better; or consent of instructor and approval of Associate Dean.

**AIMS 3770 Production Operations Analysis**

*3 semester hours*

This course will introduce students to decision making and model building in the management of operations which create products and/or services. The principles of Operations Management apply throughout the world to all productive enterprises. It doesn't matter if a good or a service is being produced, efficient production methods require the effective application of the concepts, tools, and techniques that are covered in this course. Hands-on learning is an important feature of the course. For each topic, a case analysis requires the use of Excel and/or other specialized operations management software to reinforce the underlying theoretical details.

Prerequisites: ECON 1050 or ECON 1100, ECON 2300 or ECON 2350 or MATH 104; MATH 112 or MATH 131, all with a minimum grade of C (2.0) or higher and ACCT 3140 or AIMS 2710.

**AIMS 3797 Internship**

*1 semester hour*

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

**AIMS 4720 Object-Oriented Programming**

*3 semester hours*

The course covers fundamental concepts in OO programming using the Java language. Objects represent entities in the real world with properties whose values define their states, and with methods that describe the operations that can be performed on the objects. Objects can interact with each other by sending and receiving messages among themselves. In Java, the objects are represented as program modules, which encapsulate some portion of the objects' characteristics and operations or behavior. The course will tackle basic concepts dealing with object-oriented problem-solving and software development. Students will learn problem-solving skills and apply them to real-world program design and construction in the Java language.

Prerequisites: ACCT 3140 or AIMS 2710; BADM 1030 with a grade of C (2.0) or better; or consent of instructor and approval of Associate Dean.

### **AIMS 4730 Business Data Communications**

*3 semester hours*

An introduction to the use of data communications and other automation systems in the business environment, including the study of local and wide area networks, voice and electronic mail, video conferencing, and other automation tools in support of management.

Prerequisite: ACCT 3140 or AIMS 2710 or consent of instructor and approval by Associate Dean.

### **AIMS 4740 Financial Modeling for Decision Support**

*3 semester hours*

This course introduces spreadsheet modeling skills and advanced quantitative analysis tools to support financial decision-making. Hands-on experience in the development of spreadsheet forecasting, simulation and optimization models for applications in valuation, cash budgeting, and financial planning and portfolio management will be provided.

(See FNCE 4440.)

Prerequisites: AIMS 3770 and FNCE 3410.

### **AIMS 4750 Web-based Development**

*3 semester hours*

This course will introduce students to Web-based Development using various web design and development software as well as programming languages. The emphasis is on the business use of the web and its integration with business strategy and activities along with developing skills in creating effective web sites. The course will teach the students the basics of web development and will introduce them to the Mobile Web and Mobile Application development. Students will also learn about the current developments taking place in this area.

Prerequisite: ACCT 3140 or AIMS 2710.

### **AIMS 4760 Analytics and Business Intelligence**

*3 semester hours*

Current management practices place an increasing dependence on the use of information to manage a business-business intelligence tools and systems play a critical role in this regard. To help managerial decision makers do their job effectively, it is necessary to understand the decision making process, the nature of data/information used in the decision making process and the role of information technology (in particular, business intelligence technologies) in that process. The course focuses on data mining, data warehousing and aspects of knowledge management along future directions and development of business intelligence tools in the context of business networks and collaborative online environments.

Prerequisite: ACCT 3140 or AIMS 2710.

### **AIMS 4770 Information Technology Security**

*3 semester hours*

This course will introduce students to Information Technology Security in the corporate setting through various hands-on practice/experiments as well as Harvard Business School cases. The emphasis is on the business use of information security knowledge and its integration with business strategy and process along with developing skills in measuring information security, identifying security vulnerabilities, managing security risks, monitoring and preventing potential security breaches, and creating secured business practice procedures. The course will teach the students the basics of Information Technology Security and will introduce them to theory and technology of wireless network

security, e-commerce security, securing online advertising as well as business continuity and disaster recovery.

Prerequisite: ACCT 3140 or AIMS 2710.

### **AIMS 4797 Capstone Project**

*3 semester hours*

This course will enable students to practice team-oriented problem-solving skills in the context of undertaking and completing a complex IT project, and to demonstrate their knowledge and understanding of IT concepts and techniques in tackling analysis, design, and implementation of solutions to complex IT problems. The course will enable students to acquire and demonstrate their understanding, use, and proficiency in project management skills related to tackling IT projects, and to practice their written and oral communication skills in the write-up and presentation of their projects. Consent of instructor required.

### **AIMS 4798 Special Studies**

*1 TO 3 semester hours*

### **AIMS 4799 Independent Studies**

*1 TO 3 semester hours*

Requires approval of the Associate Dean.

## **Animation (ANIM)**

### **ANIM 100 History of Animation**

*3 semester hours*

A survey of the historical developments, styles, techniques, theory, and criticism of animation as an art form. History and use of creative arts used in animation to form effective communication in film and video.

### **ANIM 101 Discovering Animation**

*3 semester hours*

An integration of various creative arts used in animation, including analysis of visual language, to complete a survey course of this selected topic.

University Core fulfilled: Explorations: Creative Experience.

### **ANIM 110 Visual Story Development**

*3 semester hours*

Introduction to visual techniques: color theory, design composition, and storyboarding.

### **ANIM 120 Beginning Animation Workshop**

*3 semester hours*

An introduction to animation process: organization and integration of various creative arts used in animation; possibilities in style, media, technique, and equipment.

Lab fee.

### **ANIM 198 Special Studies**

*1 TO 3 semester hours*

### **ANIM 199 Independent Studies**

*0 TO 3 semester hours*

### **ANIM 220 Intermediate Animation Workshop**

*3 semester hours*

Intermediate workshop in the art of traditional animated film production. Topics of study include digital sound production, motion and articulation strategies, camera and post-production techniques. Lab fee.

Prerequisite: ANIM 120.

Corequisite: ANIM 260.

### **ANIM 230 Introduction to 3-D Computer Animation**

*3 semester hours*

Introduction to three-dimensional digital film production. Topics of study include: modeling techniques, image processing and manipulation strategies, motion and articulation solutions, digital production techniques, texture, lighting and rendering methods, compression technology, and systems for computer-created animation.

Lab fee.

Prerequisite: ANIM 220.

### **ANIM 231 Introduction to 2-D Computer Animation**

*3 semester hours*

Introduction to two dimensional digital film production. Topics of study include: image processing and manipulation, motion and articulation strategies, digital production techniques, rendering, and compression techniques.

Prerequisite: ANIM 220.

### **ANIM 250 Introduction to Interactive Animation**

*3 semester hours*

This course will cover nonlinear storytelling for animators and filmmakers. An emphasis will be placed on interactive scripting to create user involvement in the unfolding narrative.

Lab fee.

### **ANIM 260 Digital Toolbox**

*3 semester hours*

Introduction to principles and practices of digital imaging as applicable to film and video.

Lab fee.

Prerequisite: ANIM 120.

Corequisite: ANIM 220.

### **ANIM 298 Special Studies**

*1 TO 3 semester hours*

### **ANIM 299 Independent Studies**

*0 TO 3 semester hours*

### **ANIM 310 Intermediate Storyboard**

*3 semester hours*

An introduction to professional storyboarding for animation. Students will create storyboards from scripts and from non-scripted ideas; apply storyboarding logic to pre-written scripts and to their own creative ideas; and identify and correct such technical problems as crossing the line, hook-up issues, jump cuts, shot redundancy, and poor composition.

Prerequisites: ANIM 110 and ANIM 220.

### **ANIM 320 Mechanics of Animation**

*3 semester hours*

Workshop in the art of animated film production.

Prerequisite: ANIM 220.

### **ANIM 330 Intermediate 3-D Computer Animation**

*3 semester hours*

Further practical study in computer animation including: modeling; advanced articulation methods, techniques, and solutions; lighting; texture mapping; compositing; and rendering solutions.

Prerequisite: ANIM 230.

### **ANIM 331 Intermediate 2-D Computer Animation**

*3 semester hours*

Two-dimensional digital film production. Topics of study include: image processing and manipulation, motion and articulation strategies, digital production techniques, rendering, and compression techniques.

Prerequisite: ANIM 231.

### **ANIM 332 Programming 3-D Animation Tools**

*3 semester hours*

Building technical skills for animators: how to automate animated graphics, write tools and customize user interfaces using Python scripting.

Prerequisite: ANIM 230 or by instructor's approval.

University Core fulfilled: Integrations: Interdisciplinary Connections;

Flags: Information Literacy, Quantitative Reasoning.

### **ANIM 350 Intermediate Interactive Animation**

*3 semester hours*

Introduction to creative and technical aspects of interactive animation technology.

Prerequisite: ANIM 250.

### **ANIM 352 Game Design**

*3 semester hours*

The iterative process of game design will allow students to develop prototypes of their original games and storylines. Important topics include design issues, balanced play, theming, game theory, intellectual property, and play testing.

### **ANIM 360 Character Design**

*3 semester hours*

An introduction to the principles of classical character design.

Prerequisite: ANIM 220.

### **ANIM 370 Character Animation**

*3 semester hours*

An introduction to the principles of classical character animation, creating the illusion of life and believability.

Prerequisite: ANIM 220.

### **ANIM 371 3D Character Animation**

*3 semester hours*

An introduction to the principles of 3D character animation. Creation of illusion of life and believability.

Prerequisites: ANIM 230 and ANIM 260.

### **ANIM 380 Visual Effects**

*3 semester hours*

Concepts and approaches to production work in cinematic visual effects. A combination of digital and traditional methods will be discussed, with a concentration on exercises using computer graphics to illustrate these techniques.

Prerequisites: ANIM 220, ANIM 230, and ANIM 260.

### **ANIM 398 Special Studies**

*1 TO 3 semester hours*

### **ANIM 399 Independent Studies**

*0 TO 3 semester hours*

### **ANIM 410 Advanced Storyboard**

*3 semester hours*

Advanced research and practice in creating and planning animated film and video. Professional experience in storyboard production.

Prerequisite: ANIM 310.

### **ANIM 420 Experimental Animation**

*3 semester hours*

Workshop in the art of animated film production.

Lab fee.

### **ANIM 443 History and Analysis of Video Games**

*3 semester hours*

This course will cover genre studies and relevant topics in the

development of the past, present, and future of the videogame industry.

**ANIM 450 Advanced Interactive Animation**

*3 semester hours*

Production and design using interactive animation technology.

Prerequisite: ANIM 250.

**ANIM 490 Animation Internship**

*3 semester hours*

Professional experience in animation. Animation internship. Portfolio and demo reel development. Vocational strategies.

Junior or senior standing required.

**ANIM 495 Senior Thesis Project/Pre-Production**

*3 semester hours*

Practical experience in animation pre-production. This course centers on the animation thesis project. Development, direction, production of a sophisticated, well-produced film or project. Students are free to determine style, format, and genre of project.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

**ANIM 496 Senior Thesis Project/Production**

*3 semester hours*

Continuation of practical experience in animation production.

Completion of animation thesis project.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisite: ANIM 495.

**ANIM 498 Special Studies**

*1 TO 3 semester hours*

**ANIM 499 Independent Studies**

*0 TO 3 semester hours*

**Asian Pacific American Studies (APAM)**

**APAM 1117 Introduction to Asian Pacific American Studies: A Comparative and Global Perspective**

*4 semester hours*

An introductory course which surveys the cultures and histories of Asian Pacific Americans in the United States. Interaction among various Asian Pacific American communities also will be discussed. University Core fulfilled: Foundations: Studies in American Diversity.

**APAM 1118 United States and the Pacific World**

*4 semester hours*

This class surveys the ways in which U.S. interchanges with Asia and the Pacific Islands have transformed cultural, political, ideological, and socioeconomic developments on both sides of the Pacific from the earliest contact to the twenty-first century within global and comparative frameworks.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**APAM 1998 Special Studies**

*1 TO 4 semester hours*

**APAM 1999 Independent Studies**

*1 TO 4 semester hours*

**APAM 2371 Asian Pacific American Literature**

*4 semester hours*

A survey of Asian Pacific American writers and their literature, using

critical analysis of autobiographies, short stories, novels, poetry, essays, and films.

University Core fulfilled: Explorations: Creative Experience; Flag: Writing.

**APAM 2417 Contemporary Issues of Asian Pacific Americans**

*4 semester hours*

Topical studies of timely and pertinent contemporary interest involving Asian Pacific Americans in the United States.

University Core fulfilled: Explorations: Understanding Human Behavior; Flag: Engaged Learning.

**APAM 2998 Special Studies**

*1 TO 4 semester hours*

**APAM 2999 Independent Studies**

*1 TO 4 semester hours*

**APAM 3998 Special Studies**

*1 TO 4 semester hours*

**APAM 3999 Independent Studies**

*1 TO 4 semester hours*

**APAM 4178 Asians in America: From the "Yellow Peril" to the "Model Minority"**

*4 semester hours*

This class traces the many-faceted histories of Asian Americans and Pacific Islanders from cross-cultural and transitional perspectives, beginning with the earliest immigration to the present era.

**APAM 4188 Imagining Asian Pacific America**

*4 semester hours*

Using interdisciplinary approaches and cross-cultural perspectives, this class explores the ways in which certain Asian Americans and Pacific Islanders have been portrayed and, in turn, have portrayed themselves in the visual culture throughout historical time and place.

**APAM 4235 Asian Pacific American Women's Experience**

*4 semester hours*

An interdisciplinary and comparative examination of the histories and experiences of Asian Pacific American women. Topics include social and economic inequality, literary and cultural representation as well as political and community activism.

**APAM 4327 Asian American Psychology**

*4 semester hours*

Coverage of major psychological issues relevant to Asian American personality, identity, and mental health, including acculturation, the creation of stereotypes, and intergenerational conflict.

**APAM 4335 Asian Pacific American Politics and Social Movements**

*4 semester hours*

Examines Asian American political participation from legal challenges and labor organizing to social protests and electoral politics. Explores Asian Pacific American politics and social movements in light of dramatic changes in domestic and international contexts of the past half a century.

**APAM 4337 Asian Pacific Americans and the American Law**

*4 semester hours*

An examination of constitutional, immigration, and civil rights laws and their impact on the Asian Pacific American experience.

Discussions may include analysis of historical court cases and legislation pertaining to citizenship, exclusion, and World War II internment as well as the study of contemporary legal issues in Asian Pacific American communities.

**APAM 4350 Immigration and Los Angeles**

*4 semester hours*

An interdisciplinary and comparative examination of the historical role of immigration and migration in shaping the Los Angeles region as well as the social, political, economic, and cultural impact of immigration in contemporary Los Angeles.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**APAM 4450 Specific Ethnic Focus Seminars**

*4 semester hours*

An in-depth examination of the experience of a single Asian Pacific American subgroup. Populations covered will vary.

**APAM 4451 Multiracial Americans in the American Imagination**

*4 semester hours*

This course engages in an interdisciplinary examination of the identity development of persons of mixed race ancestry in the United States through which students derive a critical understanding of race, ethnicity, and culture, while developing a deeper appreciation for ethnic, class, gender, generational, and racial diversity.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**APAM 4453 Filipino American Experience**

*4 semester hours*

Comprehensive introduction to the Filipino American experience.

Historical analysis of U.S. colonialism and the experiences of Filipino Americans as "American Nationals." Review of contemporary issues such as immigration patterns, community formation, and family dynamics. In-depth study of Filipino American communities in Los Angeles and Southern California.

**APAM 4457 Vietnamese American Experience**

*4 semester hours*

Comprehensive introduction to the Vietnamese American experience. Review of Southeast Asian politics during the Cold War with emphasis on U.S. policies in Vietnam. Review of contemporary issues in the Vietnamese American community, including economic integration, political mobilization, and community and family dynamics. In-depth study of the social and cultural lives of Vietnamese Americans in Los Angeles and California.

**APAM 4459 Pacific Islander American Experience**

*4 semester hours*

Comprehensive study of the Pacific Islander American experience, including the histories and cultures of Pacific Islanders and contemporary issues facing the Pacific Islander American communities.

**APAM 4998 Special Studies**

*1 TO 4 semester hours*

**APAM 4999 Independent Studies**

*1 TO 4 semester hours*

**APAM 5000 Senior Thesis**

*4 semester hours*

This course will provide APAM minors with the opportunity to work on an individualized research project under the direction of a faculty member.

**Art History (ARHS)****ARHS 2000 Foundations of Western Art**

*4 semester hours*

An introductory survey of the visual arts from the Prehistoric through the late Roman period.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

**ARHS 2002 Art and Society: Early Christian to Early Modern**

*4 semester hours*

An introductory survey of the history of the visual arts in Western Europe from the fourth century through the early nineteenth century.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

**ARHS 2004 Modernism**

*4 semester hours*

An introductory survey of the historical development and global implications of modern art, modernism, and modernity from the nineteenth to the mid-twentieth centuries.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**ARHS 2510 Social Design**

*3 semester hours*

A critical and historical examination of the role of design in the communication of social and political issues. Focus is on the role of the designer as an agent for social change. Research, discussion, and project-based presentations.

Prerequisite: ART 160 or concurrent enrollment in ART 260.

University Core fulfilled: Flag: Engaged Learning.

**ARHS 2540 Multimedia Art Survey**

*3 semester hours*

A critical and historical examination of multimedia arts through research, discussions, and presentations.

University Core fulfilled: Flag: Writing.

**ARHS 2999 Independent Studies**

*1 TO 4 semester hours*

Individual independent studies may fulfill the non-Western Art History requirement.

Consent of instructor required.

**ARHS 3100 Arts of Ancient Egypt**

*4 semester hours*

A survey of the art and architecture of ancient Egypt from the Predynastic through the Greco-Roman period.

**ARHS 3102 Arts of Ancient Greece**

*4 semester hours*

A survey of Greek art from the Bronze Age through the Hellenistic period.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**ARHS 3104 Arts of Ancient Rome**

*4 semester hours*

A survey of Roman art from the Etruscan period through the decline of the Empire.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**ARHS 3200 Medieval Art**

*4 semester hours*

A survey of the major developments in the arts from the rise of Christianity in the Roman Empire in the second and third centuries until the end of the Gothic period in the fourteenth century.

University Core fulfilled: Integrations: Faith and Reason; Flag: Information Literacy.

**ARHS 3311 Pre-Columbian Art**

*4 semester hours*

A survey of Pre-Columbian art and architecture from c. 1200 BCE to the fifteenth century CE.

**ARHS 3321 Latin American Art**

*4 semester hours*

A survey of the art, architecture, and visual culture of Latin America from the colonial period through the present.

**ARHS 3331 Arts of Africa**

*4 semester hours*

A survey of the arts of Africa from 1000 BCE through the twenty-first century.

**ARHS 3341 Arts of Islam**

*4 semester hours*

A survey of the art and architecture of Islam from Arabia through Spain, from the birth of Islam in the seventh century to the present.

**ARHS 3351 Arts of Asia**

*4 semester hours*

A survey of the art and architecture of East, South, and Southeast Asia.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ARHS 3540 Social and Aesthetic History of Photography**

*3 semester hours*

This interdisciplinary course will explore photography's role in both the continuum of art history and modern visual culture but will also consider a wide range of other disciplines that have used photography as a tool of influence or research. Students will approach various bodies of photographic work from both an art historical and social science perspective.

Recommended: ARHS 2004.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ARHS 3560 History of Design**

*3 semester hours*

An analysis of design history from the Industrial Revolution to the present, with emphasis on creative innovation and progress as rooted in artistic, cultural, and political contexts.

Prerequisite: ART 160.

**ARHS 3999 Independent Studies**

*1 TO 4 semester hours*

Individual independent studies may fulfill the non-Western Art History requirement.

Consent of instructor required.

**ARHS 4198 Special Studies**

*4 semester hours*

Selected topics in Ancient art history. Individual sections may have a University Core affiliation.

**ARHS 4240 Italian Renaissance Art**

*4 semester hours*

An exploration of the art and architecture in Italy from the late thirteenth through the mid-sixteenth century. The course will examine a variety of primary and secondary sources to explore the nature of Italian Renaissance visual culture within its historical context.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Writing.

**ARHS 4250 Northern Renaissance Art**

*4 semester hours*

An exploration of the ways that art and architecture reflect the

political, cultural, social, and religious forces that shaped society in northern Europe from c. 1380 through the late sixteenth century.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**ARHS 4260 Baroque Art**

*4 semester hours*

An exploration of selected topics in the art and architecture of seventeenth-century Italy, France, Flanders, Holland, and Spain. University Core fulfilled: Integrations: Faith and Reason.

**ARHS 4298 Special Studies**

*4 semester hours*

Selected topics in Early Christian, Medieval, Renaissance, or Baroque art history. Individual sections may have a University Core affiliation.

**ARHS 4301 Arts of India**

*4 semester hours*

An exploration of the art and architecture of India from the Indus Valley Civilization to contemporary times.

**ARHS 4303 Arts of China**

*4 semester hours*

An exploration of the arts and architecture of China from the Neolithic period to contemporary times.

**ARHS 4305 Arts of Southeast Asia**

*4 semester hours*

An exploration of the art and architecture of the Southeast Asian region.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ARHS 4307 Arts of Japan**

*4 semester hours*

An exploration of the arts and architecture of Japan from the Neolithic period to contemporary times.

**ARHS 4398 Special Studies**

*4 semester hours*

Selected topics in non-Western art history. Individual sections may have a University Core affiliation.

**ARHS 4614 American Art**

*4 semester hours*

A survey of American art from the Colonial period to ca. 1900.

**ARHS 4616 Nineteenth-Century European Art**

*4 semester hours*

An exploration of the development of European art and architecture of the long nineteenth century.

**ARHS 4630 Contemporary Art**

*4 semester hours*

An exploration of post-World War II art, with an emphasis on the development of postmodernism from 1945 to the early twenty-first century.

Recommended: ARHS 2004.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ARHS 4640 Modern and Contemporary Art Criticism**

*4 semester hours*

An exploration of the art criticism and theory of the twentieth and twenty-first centuries.

Recommended: ARHS 2004.

**ARHS 4698 Special Studies**

*4 semester hours*

Selected topics in modern and contemporary art history. Individual sections may have a University Core affiliation.

**ARHS 4710 Museum/Gallery Internship**

*4 semester hours*

A directed internship in museum or gallery education, curatorial work, registration, public relations, or installation design. Individual placements are made on the basis of the student's academic background and professional goals. Research paper required.

Majors only with senior standing.

Consent of instructor required.

**ARHS 4730 LA Now**

*4 semester hours*

An exploration of Los Angeles' modern and contemporary art history through lectures, field trips, and class visits by practicing artists, critics, curators, and arts professionals.

Recommended: ARHS 2004 or ARHS 4630.

Consent of instructor required.

University Core fulfilled: Flag: Engaged Learning.

**ARHS 4750 Art History Study Abroad**

*3 TO 4 semester hours*

Site-specific art history course that is taught through Study Abroad.

Topics vary dependent on location. Individual sections may have a University Core affiliation.

**ARHS 4751 Art History Study Abroad**

*3 TO 4 semester hours*

Site-specific art history course that is taught through Study Abroad and fulfills the non-Western requirement. Topics vary dependent on location. Individual sections may have a University Core affiliation.

**ARHS 4752 Study in Florence: The Italian Renaissance**

*4 semester hours*

Study of Italian Renaissance art and architecture in Florence and Tuscany.

**ARHS 4754 Christian Faith and Visual Culture in Rome**

*4 semester hours*

Combining the disciplinary approaches of theology, history, and art history, this course examines the religious and visual traditions of Late Antique and medieval Rome. The course, taught on-site in Rome during an accelerated summer course, provides a direct engagement with culture, art, society, and faith.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

**ARHS 4756 The Making and Use of Space—Urban Art and Architecture**

*4 semester hours*

The course will introduce the town layout and its architecture as a constantly changing microcosm shaped by social, political, economic, and cultural as well as functional, technical, and aesthetic factors. The introduction of the main architectural styles will accentuate the symbolic and representational interaction and reception of a building, including aspects like the relationship between demography and lifestyle in historical and contemporary architecture. The impact of factors such as industrialization, traffic, population increase, pollution, and globalization will be discussed as well as similarities and differences between European and American cities.

Taught through the Bonn Study Abroad Semester Program.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

**ARHS 4796 Museum Studies**

*4 semester hours*

Selected topics in museum studies.

**ARHS 4800 Junior/Senior Seminar in Art History**

*4 semester hours*

An examination of the historiography and methodology of the discipline of art history, with a special emphasis on student research and writing.

Consent of instructor required.

University Core fulfilled: Flag: Writing.

**ARHS 4998 Special Studies**

*1-4 semester hours*

Selected topics in art history. Individual sections may have a University Core affiliation.

**ARHS 4999 Independent Studies**

*1 TO 4 semester hours*

Individual independent studies may fulfill the non-Western Art History requirement.

Senior standing required.

Consent of instructor required.

**Art (ART)**

**ART 150 Introduction to Studio Arts**

*3 semester hours*

Open to non-Studio Arts majors only.

Exploration of the materials, techniques, and inspiration of the artist in the media of drawing, painting, printmaking, sculpture, and two- and three-dimensional design.

University Core fulfilled: Explorations: Creative Experience.

**ART 151 Introduction to Drawing and Printmaking**

*3 semester hours*

Open to non-Studio Arts majors only.

Development of basic drawing skills in various media and the exploration of printmaking techniques.

University Core fulfilled: Explorations: Creative Experience.

**ART 153 Drawing I**

*3 semester hours*

An introduction to drawing and the development of visual awareness. Experimentation and exploration of technique developed through a variety of subject matter. Varied media, including pencil, charcoal, ink and conte.

**ART 154 Drawing II: Figure Drawing**

*3 semester hours*

Development of technique and principles used in Drawing I, ART 153, with emphasis placed on working from the figure and anatomy.

Prerequisite: ART 153.

**ART 160 Two-Dimensional Design**

*3 semester hours*

An examination of the basic elements of two-dimensional design. Course emphasizes visual literacy as well as the conceptual and problem-solving processes used in creating and composing graphic form.

**ART 182 Programming for Creative Applications**

*3 semester hours*

Emphasis on programming as an art form and as a tool for creative applications. Introduction to computer programming within the context of art and design. Concepts and skills taught enhance student ability to excel in future courses about Internet, animation, interactive media, and game design. Weekly exercises balance

concept and techniques to reveal potential of computer as medium and tool.

Lecture, lab, workshop.

University Core fulfilled: Flag: Quantitative Reasoning.

### **ART 198 Special Studies**

*1 TO 3 semester hours*

### **ART 250 Visual Arts for the Elementary Educator**

*3 semester hours*

Designed to develop the visual arts for the Liberal Studies student, both personally and professionally. Projects will emphasize a personal exploration of media, techniques, art history, and art fundamentals, as well as the role of the teacher in nurturing artistic expression and aesthetic. Students will compile course material into a teaching research portfolio. Participation in the ARTsmart service-learning program is required and is incorporated into class hours.

Liberal Studies majors only.

University Core fulfilled: Explorations: Creative Experience; Flag: Engaged Learning.

### **ART 252 Principles of Color**

*3 semester hours*

A practical exploration of the additive and subtractive principles of color theory as related to fine art and graphic design. Emphasis placed on color mixing, hue, value, intensity, proportion and visual perception. In depth class discussion reinforce the relationship between theory and practice.

### **ART 255 Field Experience in Art**

*0 semester hours*

Designed for students interested in secondary art education.

Explores practical applications of teaching through planned observation, reflection, and group discussions appropriate for future secondary art teachers. Twenty (20) hours of field observation in a secondary public school art classroom is required.

Art Education Emphasis majors only.

Consent of the Director of Secondary Teacher Preparation of Art required.

### **ART 257 Painting I**

*3 semester hours*

Study of basic theoretical methods and techniques as applied to both representation and abstraction. Acrylic paints will be utilized. Prerequisite: ART 153, ART 160, or consent of instructor.

### **ART 260 Computer Graphics I**

*3 semester hours*

Introduction to principles and practices of electronic imaging as they apply to graphics, art, and design.

Recommended: ART 160.

### **ART 275 Three-Dimensional Design**

*3 semester hours*

Examination of the basic elements of three-dimensional design emphasizing the conceptual process and utilizing various media.

Prerequisite: ART 160 or consent of instructor.

### **ART 276 Ceramic Sculpture**

*3 semester hours*

Examination of ceramics as a sculptural medium. Students will explore technical and conceptual processes of ceramics. While clay is the focus, other materials will be utilized.

### **ART 278 Ceramics I**

*3 semester hours*

Basic techniques of hand building and throwing on the potter's wheel integrated with aesthetic exploration through various projects.

University Core fulfilled: Explorations: Creative Experience.

### **ART 280 Photography I**

*3 semester hours*

This course focuses on black and white photography as a medium of personal and artistic expression. Students learn effective camera techniques, darkroom printing skills, and basic digital imaging.

University Core fulfilled: Flag: Quantitative Reasoning.

### **ART 281 Photography and Time**

*3 semester hours*

This photography course for non-majors will serve as an introduction to black and white photography and will cover camera functions, film processing and darkroom printing, and basic digital imaging. The course will be structured thematically around photography's relationship to time.

University Core fulfilled: Explorations: Creative Experience; Flags: Information Literacy, Quantitative Reasoning.

### **ART 285 Introduction to Printmaking**

*3 semester hours*

Introduction to the basic printmaking and transfer processes, using monoprinting, linocuts, woodcuts, drypoints, water etchings, and collagraphs. Both black and white and multicolor images will be produced.

Recommended: ART 151, ART 153, and ART 160.

### **ART 290 Multimedia Survey**

*3 semester hours*

Critical and historical examination of multimedia arts through research, discussions, and presentations.

### **ART 298 Special Studies**

*1 TO 3 semester hours*

### **ART 299 Independent Studies**

*1 TO 3 semester hours*

### **ART 300 Figure Drawing Workshop**

*1 semester hour*

A studio workshop for art and animation majors with emphasis placed on working from the figure and anatomy. Independent reading, research and production goals are devised for each student. As students repeat course study, the course requires increased learning and skill development as an extension of work in figure drawing. Each semester an online portfolio is required. May be repeated for degree credit for further development up to six times.

Prerequisites: ART 153 and ART 154, or consent of instructor.

### **ART 302 Design: Concept to Form**

*3 semester hours*

Design as a visual problem-solving process is explored. Emphasis is placed on the creative processes of design and the visual presentation of design research, the design concept, and the final design.

Prerequisites: ART 160 and ART 260.

### **ART 303 Experimental Typography**

*3 semester hours*

The conceptual aspects of typography as both image and form are explored in print, environmental, and time-based media. Storytelling using typography is emphasized.

Prerequisite: ART 368 or consent of instructor or Studio Arts major, Multimedia Arts Emphasis.

### **ART 304 Image Making**

### *3 semester hours*

The creation of original imagery is explored using a combination of digital and analog drawing, collage and montage methods. The communicative potential of the image is emphasized through the interplay of context, connotation, and denotation.

Prerequisites: ART 160 and ART 260.

Recommended: ART 368.

### **ART 305 ARTsmart Community Service Program**

#### *0 semester hours*

ARTsmart is the community service program of the Department of Art and Art History. The mission of ARTsmart is to provide underserved youth an education in the visual arts. LMU Art and Art History students work in teams to develop and teach lessons that incorporate formal art issues, art history, visual culture, social justice issues, and standards-based education to students in a neighboring K-8 school. Students from a variety of art disciplines are encouraged to volunteer.

### **ART 310 Drawing Workshop**

#### *1 semester hour*

A studio workshop for art and animation majors with emphasis placed on advanced drawing concepts and techniques. Independent reading, research, and production goals are devised for each student related to continually changing topics and issues relevant to drawing. As students repeat course study, the course requires increased learning and skill development as an extension of work in drawing.

May be repeated for degree credit for further development up to six times.

Prerequisites: ART 153 and ART 154, or consent of instructor.

### **ART 315 Perspective Drawing Workshop**

#### *1 semester hour*

A studio workshop for art and animation majors with emphasis placed on understanding geometry, perspective, and problem-solving in two-dimensional and three-dimensional space. As students repeat course study, the course requires increased learning and skill development as an extension of work in drawing. Repeatable up to two times.

STAR/ANIM majors/minors only.

Prerequisite: ART 153.

### **ART 333 Visualizing Literature**

#### *3 semester hours*

Visualizing Literature is a visual arts course framed around a single work of literature. Each semester the text will change in collaboration with the LMU Department of Archives and Special Collections. The visual projects created in the course will interact with, integrate, and respond to the text and will ultimately be displayed in the greater library as an extension of and response to library special exhibits.

University Core fulfilled: Explorations: Creative Experience; Flag: Information Literacy.

### **ART 334 Animal Drawing**

#### *3 semester hours*

This is a studio course with emphasis placed on working from animals and comparative anatomy. On-site drawing of animals on campus and with field trips to the Los Angeles Zoo, the Museum of Natural History, and the Page Museum. Emphasis will be on the construction of the subjects from within, rather than just outward appearances. Basics will include anatomy, proportion, and analysis of movement.

May be repeated 2 times for degree credit.

ANIM/STAR/ARHS majors/minors only.

### **ART 350 Visual Thinking**

### *3 semester hours*

This course promotes concept development and creative thinking. Visual problem solving and projects will be based on a concern for how each person examines and explores, ultimately interprets and recreates the world around them.

University Core fulfilled: Explorations: Creative Experience.

### **ART 352 Principles of Color**

#### *3 semester hours*

A practical exploration of the additive and subtractive principles of color theory as related to fine art and graphic design. Emphasis placed on color mixing, hue, value, intensity, proportion and visual perception. In depth class discussion reinforce the relationship between theory and practice.

### **ART 354 Art and Ecology**

#### *3 semester hours*

Art and Ecology is a visual arts course inspired by art and science. The course will incorporate readings, site-specific engaged learning opportunities, and contemporary and art historical examples that explore visual art and environmental ethics, culture, sustainability, and resilience. Each semester the class will focus on a different environmental issue while the Creative Experience component will remain the same.

University Core fulfilled: Explorations: Creative Experience.

### **ART 355 Experiencing Art and Social Justice**

#### *3 semester hours*

This course is divided into two components: studio arts and service learning. In the studio component, students will create art to explore the relationship between art and social justice. Studio projects include mixed media sculpture, painting, and installation. The students participate in the ARTsmart service-learning program, developing and teaching lessons that emphasize the use of art to incite social change. ARTsmart service time is incorporated into the class hours.

University Core fulfilled: Flag: Engaged Learning.

### **ART 356 Painting II**

#### *3 semester hours*

A continuation of theoretical methods and techniques used in Painting I, ART 257. Emphasis is on color, materials, and individual concept development. A variety of media will be utilized.

Prerequisites: ART 153, ART 160, and ART 257, or consent of instructor.

### **ART 358 Painting III**

#### *3 semester hours*

A continuation of Painting II, ART 356. Emphasis is on color, materials, and individual concept development. May be repeated for degree credit with consent of instructor.

Prerequisite: ART 356 or consent of instructor.

### **ART 359 Mural Painting**

#### *3 semester hours*

Emphasis on student collaboration in the process and execution of large-scale paintings and public mural projects.

### **ART 360 Graphic Design I**

#### *3 semester hours*

An introduction to the basic principles of visual design as they are applied to communication problems involving a message and an audience. Students develop conceptual and problem solving skills to create graphic form for a range of content.

Prerequisites: ART 160, ART 260, and ART 368.

Recommended: ARHS 360.

### **ART 362 Creative Direction**

*3 semester hours*

The application of design principles and advertising concepts in the development of conceptual campaigns involving a message and an audience.

Prerequisites: ART 302, ART 360, and ART 368.

### **ART 363 3D Digital Toolbox**

*3 semester hours*

Introduction to concepts and methods for the development of three-dimensional virtual objects, environments and motion scenarios.

Course projects include output to multiple formats such as 3D and photographic printing.

Prerequisites: ART 160 and ART 260.

### **ART 365 Illustration**

*3 semester hours*

The integration of illustration practices, design principles, and conceptual problem-solving procedures in the creation of illustrations for editorial designs, book jackets, and advertising art. Illustrations are conceived of by conventional means.

Junior standing required.

Prerequisites: ART 153, ART 160, and ART 260.

### **ART 366 Multimedia Narratives**

*3 semester hours*

Exploration of narrative concepts across linear, nonlinear, and interactive multimedia forms with a focus on the integration of elements of sound, image, text, and motion.

Prerequisite: ART 260.

### **ART 367 Online Computer Arts**

*3 semester hours*

An emphasis on a working expertise in graphics, art, design, and aesthetics as they apply to interactive web authoring. This course will also utilize interactive linkages to a larger virtual arts community.

Prerequisites: ART 160 and ART 260.

### **ART 368 Typography I**

*3 semester hours*

An introduction to the fundamentals of typography. Emphasis is on developing typographic literacy in terms of history, type classification, nomenclature, letterform anatomy, hierarchy, visual structure, as well as how type works as a compositional element textual communication.

Prerequisites: ART 160 and ART 260.

### **ART 369 Information Design**

*3 semester hours*

Information Design as a visual problem-solving process is explored. Information aesthetics and visualization methods are used to conceive and give form to a range of content. The course emphasizes how the mediums of print, screen, and social media shape the message.

Prerequisites: ART 160, ART 260, and ART 368.

Recommended: ARHS 3560.

### **ART 370 Beginning Wheel Throwing**

*3 semester hours*

Introduction to throwing, glazing, and firing at several temperature levels with the aim of developing skills to enhance the student's artistic voice in the contemporary clay context.

### **ART 371 Advanced Wheel Throwing**

*1 TO 3 semester hours*

Advanced work with wheel thrown forms with the aim of developing a thematic body of creative work in clay.

May be repeated once for degree credit by completing coursework at an advanced level.

Prerequisite: ART 370.

### **ART 372 Jewelry I**

*3 semester hours*

A basic jewelry course with an emphasis on creative design and various techniques including fabrication, soldering, forging, wax working, and casting. Also includes bezel stone setting.

### **ART 373 Jewelry II**

*3 semester hours*

Advanced jewelry making with an emphasis on creative design and exploration of various techniques such as fabrication, casting, rolling mill texturing, hydraulic press forming, enameling processes, and the setting of faceted stones. Also an introduction to larger scale, sculptural design.

Prerequisite: ART 372.

### **ART 374 Motion Graphics**

*3 semester hours*

Exploration of the creative possibilities of motion graphic design as both an experimental and applied communication medium. This course covers the technical, aesthetic, and practical considerations of planning, developing, and producing motion graphics.

Prerequisite: ART 260.

### **ART 375 Figure Sculpture**

*3 semester hours*

Modeling of the human figure with an emphasis on anatomy, leading to the extension of the figure as image.

### **ART 376 Sculpture Workshop**

*3 semester hours*

Advanced exploration of sculptural problems, techniques, and concepts using a variety of materials.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 275 or consent of instructor.

### **ART 378 Drawing and Clay**

*3 semester hours*

Emphasis on the surface treatment of ceramic work incorporating drawing, painting, and printmaking techniques.

May be repeated once for degree credit by completing coursework at an advanced level.

### **ART 379 Special Topics in Photography**

*3 semester hours*

This advanced studio course focuses on a particular theme each semester. Students create a portfolio of photographic work and examine related critical issues and texts related to the theme. Topics change every semester, and the class can be repeated for credit.

Past themes have included: Photography and Bookmaking, Documentary Photography, Fashion Photography, Food Photography and Sustainability, Experimental Photography, Narrative Photography, Portraiture Workshop, and others.

### **ART 380 Photography II**

*3 semester hours*

Exploration of advanced concepts of photography as applied to the development of personal expression. Students learn medium format photography, studio lighting, digital imaging, and advanced black and white darkroom techniques.

Prerequisite: ART 280.

### **ART 381 Imagining Los Angeles**

*3 semester hours*

This course looks at the various ways in which Los Angeles has been portrayed in the visual arts, film, literature, advertising, and new media from the late 19th Century to the present, while taking

into account the cultural, social, historical, and physical dynamics of the city. Students will create photography-based creative projects and will develop related technical skills.

University Core fulfilled: Explorations: Creative Experience.

### **ART 382 Digital Photography**

*3 semester hours*

An emphasis on a working expertise in digital imaging, technologies utilizing Adobe Photoshop for image creation, manipulation, with input and output to various media.

Prerequisite: ART 260 or consent of instructor.

Recommended: ART 280.

### **ART 383 Advanced Multimedia**

*3 semester hours*

Advanced investigation in one or more areas of multimedia production based upon research, mentorship, and practical experience that culminates in a final project for exhibition.

Prerequisites: ART 260 and ART 366 or ART 367.

### **ART 385 Relief Printmaking**

*3 semester hours*

Exploration of relief printmaking, photo-etching, and monotype processes. Graphic image making will be pursued through multiprintings. Personal visual development, technical skill, and conceptual development will be emphasized.

Recommended: ART 151 or ART 285, or consent of instructor.

### **ART 386 Etching Printmaking**

*3 semester hours*

Process using etching, aquatint, and other incising techniques on metal plates. Emphasis on black and white images with an introduction to multicolor printing.

May be repeated once for degree credit for further development.

Recommended: ART 151, ART 280, and ART 285.

### **ART 387 Silkscreen Printmaking**

*3 semester hours*

Introduction to the use of serigraphy to create posters and fine art prints. Handcut, handpainted, and photographic techniques will be used. The emphasis is on the development of personal expression in the creation of multicolor prints.

May be repeated once for degree credit for further development.

Recommended: ART 160 and ART 280.

### **ART 388 Screen Printing**

*3 semester hours*

Introduction to the use of silkscreening to communicate a message. Basic screening techniques will be used, including using hand-cut, photographic, and computer-generated images. Water-based textile and plastisol inks will be used. Emphasis will be on producing multicolor prints on T-shirts and posters.

May be repeated once for degree credit for further development.

Recommended: ART 160, ART 260, and ART 280.

### **ART 389 Lithography Printmaking**

*3 semester hours*

Process using drawing and painting methods that include traditional, photographic, and experimental approaches on stones and plates, covering dry and wet drawing material to develop an image. Additive and reductive, black and white, and color overprinted methods will be explored.

May be repeated for degree credit with consent of instructor.

Recommended: ART 151, ART 154, ART 285.

### **ART 394 Gallery Issues and Practices**

*1 TO 3 semester hours*

This hands-on course will cover the various components of planning,

organization, and physical maintenance required for the successful functioning of the Thomas P. Kelly Student Gallery. The class will use both historic and contemporary exhibitions as case studies. The students will participate in all elements of development their own public exhibition, including curatorial design, publicity, and marketing. Students will research and write critically about gallery exhibitions and as a group they will visit numerous museums, galleries, and art studios.

Repeatable for degree credit up to three times.

### **ART 395 Design Entrepreneurship**

*3 semester hours*

This course emphasizes the role of the designer in the community by raising public awareness and engaging social responsibility through participatory design, civic engagement, and service learning. This project-based course enables students to explore the design process and its power to affect societal change through social entrepreneurship. This class serves marginalized segments of society through empathetic and innovative design solutions.

Emphasis is placed on collaborative processes and sustainable business strategies using design thinking to benefit communities in need. Students discuss the entire process as it relates to design practice, social justice, and business ethics. Students explore and analyze social problems and create innovative ways to solve them.

This course includes minimum 20 hours of fieldwork experience to enhance student learning: 10 hours of research end users through volunteer work—getting to know the community and understanding their problems—and an additional 10 hours interacting with end users: focus groups, interviews, testing prototypes, and getting feedback. Where applicable, the instructor will assist in partnering student teams with non-profit community organizations.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Engaged Learning, Oral Skills.

Consent of instructor required.

ART 302 recommended for Studio Arts majors.

### **ART 396 Design Praxis: Professional Practices in Design**

*3 semester hours*

An examination of the career possibilities within the creative landscape of contemporary design. The design internship and portfolio development are emphasized. Participation in the LMU AIGA student chapter is recommended.

Prerequisites: ART 160, ART 260, and ART 368.

Recommended: Concurrent enrollment in ART 360.

### **ART 397 Professional Practices in Fine Arts**

*3 semester hours*

Examination of the current state of the studio arts and various career options through research, discussions, and guest speakers. Includes development and presentation of a professional portfolio and resume.

Prerequisites: Art major or consent of instructor; Junior standing required.

University Core fulfilled: Flag: Oral Skills.

### **ART 398 Special Studies**

*1 TO 3 semester hours*

### **ART 399 Independent Studies**

*1 TO 3 semester hours*

### **ART 447 Art in L.A.**

*3 semester hours*

Internationally-recognized practicing artists, designers, critics, and curators from Los Angeles talk about their work, ideas, practices, and processes.

Students will learn to write a proposal and complete an ambitious work for exhibition.

May be repeated 2 times for degree credit.  
CFA/SFTV majors/minors only.  
University Core fulfilled: Flag: Engaged Learning.

### **ART 450 Arts Education Approaches for Social and Emotional Learning**

*3 semester hours*

This is an interdisciplinary course designed to benefit any student pursuing a career in public service (education, art therapy, social work, art, community activism). Students in this course will learn how to connect theories relevant to multidisciplinary arts education, expressive arts therapy/psychology, and special education in order to create optimal social and emotional learning environments for individuals and communities with special needs and/or diverse abilities.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **ART 453 Drawing III: Formal Issues**

*3 semester hours*

This course explores traditional and contemporary issues in drawing. Using a variety of media, content, space, color, value, and form are examined.

May be repeated for degree credit for further development.

Prerequisite: ART 153 or consent of instructor.

### **ART 454 Drawing IV: Figure Composition**

*3 semester hours*

This course promotes concept development and psychological possibilities inherent in the human form. Using a variety of media, it explores anatomical structure and imaginative composition.

May be repeated for degree credit for further development.

Prerequisites: ART 153 and ART 154, or consent of instructor.

### **ART 455 Methods in Teaching Secondary Art**

*3 semester hours*

This methodology seminar is designed to provide opportunities for prospective secondary art educators to critically examine the theoretical, historical, psychological, sociological, and practical applications of art education. Projects will involve the development, implementation, and assessment of a successful and socially responsible art education curriculum. Students will compile course material into a professional teaching resource portfolio.

Prerequisite: ART 255.

Art Education Emphasis majors only.

Junior standing required.

### **ART 460 Graphic Design II**

*3 semester hours*

Graphic Design II builds on the fundamental design principles introduced in ART 360, Graphic Design I. Portfolio-oriented projects cover the gamut of print to electronic media.

Prerequisites: ART 302, ART 303, ART 360, ART 368, and ART 369.

Recommended: ARHS 360 and ART 468.

### **ART 468 Typography II**

*3 semester hours*

Typography II extends the fundamental concepts introduced in ART 368, Typography I. Projects emphasize the application of typographic principles to multiple levels of text in both print and electronic media.

Prerequisite: ART 368.

Recommended: ART 369 and ARHS 360.

### **ART 478 Ceramics Workshop**

*3 semester hours*

Design problems with ceramic materials incorporating wheel-thrown

and hand building techniques. Development of a personal style in addition to advanced firing techniques.

May be repeated once for degree credit by completing coursework at an advanced level.

### **ART 480 Color Photography**

*3 semester hours*

Focus on the use of color in photography and imaging. Students learn large format photography and digital imaging skills including scanning, printing, Photoshop, and Lightroom. Students develop a personal project.

Prerequisite: ART 280.

### **ART 481 Photographing Los Angeles**

*3 semester hours*

This interdisciplinary course looks at the various ways in which Los Angeles has been portrayed in the visual arts, film, literature, advertising, and new media from the late 19th century to the present while taking into account the cultural, historical, and physical dynamics of the city. Students will respond to the course material through the creation of various photographic projects and will learn camera function, digital imaging, and printing. Students will also engage in critical readings, complete written papers, and visit various sites throughout the city related to course content.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

### **ART 485 Advanced Printmaking**

*1 TO 3 semester hours*

Continuation and more advanced work in relief, etching, or silkscreen techniques.

May be repeated once for degree credit by completing coursework at an advanced level.

Prerequisite: ART 385 or ART 386 or ART 387.

### **ART 490 Senior Design Thesis**

*3 semester hours*

The senior thesis in design provides the opportunity to explore design as a liberal arts activity through focused study around the design disciplines, or the application of design to a specific subject matter. Students independently address topic areas within a creative project resulting in a body of work (aside from the professional portfolio). The topic(s) should address one or more of the following issues: the societal impact of design; design as a process for innovation; the historic and contemporary contexts of design; design as an experiential medium.

Senior standing required.

Prerequisites: ART 302, ART 303, ART 360, ART 368, ART 369, and ART 460 or ART 468; ARHS 360.

### **ART 494 Multimedia Internship**

*3 semester hours*

Professional experience in multimedia.

May be repeated for degree credit for further development.

Studio Arts majors only.

Consent of instructor required.

University Core fulfilled: Flag: Engaged Learning.

### **ART 495 Advanced Studio Studies**

*1 TO 3 semester hours*

Pre-professional directed study in studio art.

May be repeated for degree credit three times for further advanced development.

Permission of instructor and Department Chairperson required.

### **ART 497 Senior Thesis in Fine Arts**

*3 semester hours*

This course continues for Fine Arts Emphasis students the

professional development experience of ART 397 Professional Practices in Fine Arts. The curriculum includes all aspects of exhibition design, promotion, and artwork presentation. Required for Fine Arts emphasis and Art Education majors. Studio Arts majors, Fine Arts and Art Education Emphasis only. Prerequisite: ART 397 or consent of instructor.

**ART 498 Special Studies**

1 TO 3 semester hours

**ART 499 Independent Studies**

1 TO 3 semester hours

Senior standing required.

**Asian and Pacific Studies (ASPA)**

**ASPA 2100 Asian Civilizations**

4 semester hours

A study of Asian civilizations through history, literature, art, philosophy, and film. Topics to be covered will emphasize the intellectual, cultural, social, and political factors which shaped the civilizations of Asia and the Pacific.

University Core fulfilled: Foundations: Studies in American Diversity; Flag: Oral Skills.

**ASPA 2998 Special Studies**

1 TO 4 semester hours

**ASPA 2999 Independent Studies**

1 TO 4 semester hours

**ASPA 3200 Masterpieces of East Asian Literature**

4 semester hours

This course introduces canonical works in the literary traditions of China, Japan, and Korea, spanning from antiquity through the early 19th century. It explores various ways of interpreting masterworks through such lenses as philosophy, spirituality, religion, aesthetics, psychoanalysis, gender and sexuality, memory and identity. It also examines the socio-historical contexts that established these works' cultural significance, the commentaries and adaptations they generated, and the cultural interactions and reverberations within Asia and beyond.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Information Literacy.

**ASPA 3300 Arts of Asia**

3 semester hours

(See ARHS 3351.)

**ASPA 3400 Politics of Asia**

4 semester hours

This course deals with the politics of East Asia, emphasizing China, South Korea, and Japan. In particular, the concept of democratization is examined by looking at the political institutions, history, culture, ideologies, and economies of these countries.

**ASPA 3500 Economic and Political Issues in Contemporary Asia**

4 semester hours

This course focuses on contemporary economic and political issues in Asian countries such as China, India, and Japan. China surpassed Japan as the second largest economy in February 2011. India has also grown fast, and many in the West look to it as a counterweight to China, in politics as well as in economics. The first part of the course focuses on the recent growth and development of China. Topics include: the socialist era; market transition; growth and structural change; population growth; labor and human capital; rural and urban economies; similarities and contrasts between the

rise of the U.S. and the rise of China; impact of China on the world economy and financial system. The second part of the course will compare China with India and Japan.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Oral Skills, Writing.

**ASPA 3600 Introduction to Asian Media**

4 semester hours

An introductory course to the media and politics of the Asia-Pacific region. This survey seeks to connect leading aspects and themes of the history, politics, economics, and culture of specific leading countries to their media systems. Course materials include historical perspectives as well as contemporary journalism, including New Media technology developments and their impact on politics. Media systems will be analyzed and categorized in the social-science tradition.

**ASPA 3800 Buddhism**

4 semester hours

(See THST 3282.)

**ASPA 3850 Meditative Gaze: Dao and Film**

3 semester hours

This course brings two distinctive disciplines, philosophy and film theory together into a coherent discourse. The focus of the class is on the philosophical question most often posed as the mind-body problem and the various ways that media texts have addressed and articulated this issue, specifically through the adoption of a meditative gaze as a philosophically charged stylistic approach. (See PHIL 4355.)

**ASPA 3860 Introduction to Asian Literature**

4 semester hours

An introductory course in Asian literature from China, Japan, and India. Various literary genres such as poetry, fiction, diary, biographies, and drama and their relation to Asian literary tradition will be examined.

**ASPA 3870 China's Women and One Child Family**

4 semester hours

Course traces the development of Chinese female roles from the traditional to the modern periods. Footbinding, infanticides, and the three obediences gave way to Communism, which provided women freedom and recognition for their contribution. Is the One Child Policy a relief to women?

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ASPA 3880 Imperial China**

4 semester hours

(See HIST 4810.)

**ASPA 3890 Contemporary Chinese Cinema**

4 semester hours

This course provides an introduction to contemporary Chinese cinema. It focuses not only on the "poetics of cinema" (cinematic language, styles, and aesthetics) but also the "politics of cinema" that emphasize contemporary Chinese cinema's engaging dialogue with Chinese history and its critical intervention into key socio-political issues facing post-Mao China. It concerns itself with such issues relating to history and memory, modernity, and nationhood; family, gender, and sexuality; urbanization, migration, and transnational formations; and Hong Kong and Taiwan identities. University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Information Literacy.

**ASPA 3960 Hong Kong Cinema**

4 semester hours

This course critically explores one of the world's most popular,

dynamic, and innovative cinemas—Hong Kong cinema. Situating Hong Kong cinema in historical, artistic, and transnational contexts, this course examines major developments in Hong Kong cinema running from the war time cinema, the rise of martial arts movies and their influx into the United States, the international breakthrough of the "New Wave," Hong Kong filmmaking before and after the 1997 handover to China, to Hollywood remakes of Hong Kong films in recent years. The class will focus on issues relating to filmic nationalism, transnational film production and consumption; migration, identity, and community formation; nostalgia, memory, and post-colonialism; and family, gender, and sexuality.

#### **ASPA 3970 Popular Culture in East Asia**

*4 semester hours*

This course will explore the role of popular culture in the social production of meaning and creation of identity. The site of study will be popular culture in East Asia (China, Japan, and Korea) and "East Asian" popular culture abroad. It aims to impart to students the theoretical and analytical tools necessary to conduct in-depth interdisciplinary research on the mechanisms, implications, and functions of popular culture. By exploring myriad forms of popular culture—popular literature, film, manga, television, music, posters, fashion, material culture, etc.—that span modern Asian history from the early 20th century to today, students will gain a critical understanding of culture, politics, and history of the East Asian region.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

#### **ASPA 3998 Special Studies**

*1 TO 4 semester hours*

#### **ASPA 3999 Independent Studies**

*1 TO 4 semester hours*

#### **ASPA 4600 Women in Asia**

*4 semester hours*

This course employs interdisciplinary methods to examine the problems and issues confronting women in Asia (primarily China, Japan, and Korea) from ancient times to the contemporary era. We will integrate the research methods of gender studies, history, literature, philosophy, media, and cultural of gender studies, and investigate how Asian womanhood is constructed, institutionalized, appropriated, reinvented, and reinterpreted in different socio-historical discourses. We will interrogate the underlying mechanisms that tend to perpetuate Asian women's marginality and subordination. At the same time, we will pay particular attention to new perspectives on women's roles in current scholarship and look into women's ongoing negotiation with their gender identity and their struggles for power and agency.

University Core fulfilled: Integrations: Interdisciplinary Connections.

#### **ASPA 4820 Daoism: Theory and Practice**

*4 semester hours*

An introduction to Daoism, its classical texts, and its enduring practices. Special emphasis will be on the examinations of Daoist philosophical concepts and persistent issues that arise in the development of Daoist spiritual tradition. A central aim of the course is to understand the Chinese ways of thinking, values, and the way of life.

#### **ASPA 4830 Advanced Asian Media**

*4 semester hours*

This is a sequel to ASPA 3600, but the introductory course is not a prerequisite. This survey course of media systems in the Asia Pacific emphasizes compare-and-contrast methodology. An additional education tool is the University website, ASIA MEDIA (<http://asiamedia.lmu.edu>), where students discover the origins of

the media presentations, develop rigorous analytic tools, and critique that epistemology. This course is sometimes taught in conjunction with an Internet-linked class at the United Arab Emirates University in Al Ain, UAE.

#### **ASPA 4860 Topics in Asian Literature**

*4 semester hours*

The subject matter of this course will vary from semester to semester.

#### **ASPA 4870 Asian Mythology**

*4 semester hours*

This class will examine mythology and folktales from various Asian traditions: China, Japan, Korea, and India. The reading materials will be examined through psychological, philosophical, and cultural approaches. The topics for discussion include creation myths, heaven and hell, the mythic hero, metamorphosis, and immortality. Junior or senior standing required.

University Core fulfilled: Integrations: Interdisciplinary Connections.

#### **ASPA 4880 Modern Asian Fiction**

*4 semester hours*

This course examines twentieth-century Chinese and Japanese fiction through the study of novels, short stories, novellas, biographies, diaries, and film. The class will also study major literary trends and movements.

#### **ASPA 4900 Asian Women Writers**

*4 semester hours*

This is a cross-cultural study of Asian women writers through the readings of poetry, short stories, autobiographies, diaries, and novels. Most readings are derived from contemporary female writers from China, Japan, Korea, Hong Kong, Taiwan, and the United States.

#### **ASPA 4998 Special Studies**

*1 TO 4 semester hours*

#### **ASPA 4999 Independent Studies**

*1 TO 4 semester hours*

#### **ASPA 5000 Senior Integrating Seminar**

*4 semester hours*

This requirement enables the students to integrate their work in Asian and Pacific Studies. The actual content of the course will depend on the student's chosen focus. Students write a senior thesis under the guidance of a faculty member. The thesis, while focused on a particular topic, is intended to be interdisciplinary.

### **Business Administration (BADM)**

#### **BADM 1010 Business Perspectives—Business Institutions**

*1 semester hour*

This course covers the Choice and Decision Making framework within the context of a free market economy. Students will be exposed to the role of managers in organizations and the basic agency theory. Students will learn the underlying structure of decision making and concepts of incentive and reward systems. Students will be introduced to the business institutions and the career opportunities in each segment of the free market economy. An overview of economic and business crises in recent history and the role of government in dealing with market failure will be briefly explored.

The objectives of this course are:

To provide business students with a world view of business organizations in a free society;

To provide a general understanding of the role of management in business, not-for-profit, and governmental organizations;

To explain the role of competition, risk, and information in the free market setting;

Discuss the interaction of regulation and businesses in a market economy;

To understand the individual choice process and role of the individual in a free society.

Required for ALL majors in the College of Business Administration.

### **BADM 1020 Business Perspectives—Introduction to Ethical Decision Models**

*1 semester hour*

This course covers two general topics that will be modified slightly based on individual faculty perspectives and style. The first part of the course deals with a variety of legal, social, and institutional dimensions of the environment in which business is conducted. This will include:

The relationship between business and the society natural environment in which it operates;

The relationship between business and the values of the society; the legal and business context in which we find "ethics" in today's workplace-corporate ethics programs, the Federal Sentencing Guidelines for Organizations, Sarbanes-Oxley, and other business regulations;

The relationship between business, society, and Jesuit values.

The second part of the course aims to help students learn how to work with two different approaches to ethical reasoning:

A "values" approach (which echoes the "virtue ethics" approach taken by most corporate ethics programs), and

An approach that connects with the methodology students will be exposed to in their ethics requirement (a secular approach based on an analysis of both the consequence of actions and the intrinsic merit of the actions themselves).

The objective of this course is introducing our students to the centrality of ethics in our mission, and importance of ethical standards in the business leaders' decision process.

Required for ALL majors in the College of Business Administration.

### **BADM 1030 Business Perspectives—Information Technology in Organizations**

*1 semester hour*

This course provides an introduction to information technology and computing with emphasis to its applications in business and organizations.

The course will be devoted to problem-solving and acquiring personal productivity software skills essential for effective and efficient use of IT in business and organizations. Emphasis is on use of the computer in problem-solving, and will be hands-on in a laboratory setting. The course is designed to cover the following:

*Application software use to solve problems:* Problem-solving/analytical skills-mental processing/logical thinking stage, procedure development, e.g., uses of control structures and flowcharting techniques in developing business procedures, etc. Use of spreadsheet, e.g., Excel, in modeling and data analysis; spreadsheet calculations—use of Excel and user-defined functions, what-if type analysis; use of graphs—creating and editing charts, and printing worksheets, etc.

*Information Technology use for knowledge workers:* Use of knowledge work productivity software, e.g., Excel; what is knowledge work and knowledge workers—analysis of individual knowledge work tasks/activities of, for example, managers, accountants, financial analysts, lawyers, etc.; knowledge workers and information management; collaboration among knowledge workers—analysis of

work activities and information requirements or management, etc.; data organization, access and management of internal organizational data and external data—role of IT, e.g., Internet and WWW in knowledge worker productivity.

*The Internet and WWW:* Operation and functional uses; IP addresses, datagrams, domain names, TCP/IP; and the World Wide Web, use of URLs, browsers, and search engine—for information searches, etc.

The objectives of this course are:

To introduce students to the important concepts and terminology fundamental to an understanding and appreciation of information technology and its uses in business and organizations.

To establish a firm foundation and proficiency in problem-solving skills in computing using flowcharting techniques, acquiring personal productivity skills in the use of application software packages, in particular, Excel for spreadsheet modeling and analysis, and the use of the Internet and the WWW for communication, information searches, and collaboration with other workers in an organizational setting.

Required of ALL majors in the College of Business Administration.

Prerequisite: BADM 1010 with a minimum grade of C (2.0).

### **BADM 1040 Business Perspectives—Globalization**

*1 semester hour*

This course is designed to provide freshman or sophomore students with knowledge of the critical aspects of globalization, key trends in the global economy, and build an appropriate educational plan at the early stage of their college years.

The objectives of this course are:

To introduce students to the driving forces behind globalization and evaluate how globalization has affected the U.S. economy.

To discuss our main trading partners and investors along with the key trends in international trade and foreign direct investment. Additionally, the course addresses the key players and their roles in the global economy.

Through an in-depth analysis of these issues, students are expected to learn:

The current trends and future prospects of the global economy.

The meaning of globalization and its impacts on the U.S. economy as well as career implications of global economy.

Required for ALL majors in the College of Business Administration.

Prerequisite: BADM 1020 with a minimum grade of C (2.0).

### **BADM 3010 Analytical Concepts and Methods for Business**

*3 semester hours*

The course is meant as an introductory basis for students seeking a minor in Business Administration. Topics will include fractions, decimals vs. percentages, Excel spreadsheets vs. calculators, future and present value, interest rates, compounding, credit terms in personal finance, probabilities, weights, mean or expected value, statistics, variance, standard deviation, sample vs. population statistics, correlation and covariance, and linear estimations.

Required for ALL Business Administration minors.

### **BADM 3020 Economic Environment, Marketing, and Business Law Concepts**

*3 semester hours*

This is a basic course in economics, marketing, and business law which will give the Business Administration minor student an introduction to the three subjects. After taking this course, the student will be prepared to take more advanced courses in the various subjects covered.

Required for ALL Business Administration minors.

### **BADM 3030 Key Concepts of Accounting and Finance**

*3 semester hours*

This course provides a timely and relevant introduction to key accounting and finance concepts. With a focus on strategic techniques for decision making in the corporate environment, it aims to provide students with a general, real-world understanding of financial statements, budgeting, financial analysis, managerial accounting, valuation, financial markets, investments, risk, ethics, and how firms raise capital.

Required for ALL Business Administration minors.

Prerequisite: BADM 3010.

### **BADM 3040 Management and Society: Issues in Strategic and Ethical Management**

*3 semester hours*

Management and Society is an introductory course which covers the role of business in our society and the principles of management and organizational behavior. Basic concepts such as the role of management (focused on planning, organizing, leading, and controlling) and theories of organizations will be explored while considering the impact on and involvement of stakeholders, the importance of ethics, influence of business-government relations, issues in corporate governance, and the significance of long-term sustainability.

Required for ALL Business Administration minors.

Prerequisite: BADM 3020.

### **BADM 4950 Business and Social Responsibility in the Global Economy**

*3 semester hours*

This is an applied course that focuses on the interactions of business, government, and societal institutions. Particular attention is directed to such topics as economic systems, stakeholder management, political and legislative process, sustainability, and corporate governance. Themes of ethics, social responsibility, and leadership will be emphasized. There are two specific goals: 1) The student grasps the broad issues of corporate social responsibility and 2) The student develops decision making skills needed to lead a corporation to productive solutions.

Must be taken in residence at LMU.

Senior standing required.

Required for ALL majors in the College of Business Administration.

Prerequisites: BADM 1010, BADM 1020, BADM 1030, BADM 1040, all with a letter grade of C (2.0) or higher; BLAW 2210; MGMT 3610; one course from PHIL 3100-3150.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Oral Skills.

### **BADM 4970 Strategic Management**

*3 semester hours*

This is an applied course that develops strategic thinking skills to enable managers to position the business to achieve and sustain superior competitive performance. This course addresses issues of both strategy design and implementation in the complex global economic environment. The course requires students to draw upon and integrate knowledge and skills developed throughout their business education.

Must be taken in residence at LMU.

Senior standing required.

Required for ALL majors in the College of Business Administration.

Prerequisites: AIMS 3770; FNCE 3400 or FNCE 3410; MGMT 3610; MRKT 3510.

### **BADM 4998 Special Studies**

*1 to 3 semester hours*

### **BADM 4999 Independent Studies**

*1 to 3 semester hours*

Requires approval of the Associate Dean.

## **Bioethics (BIOE)**

### **BIOE 6000 Introduction to Bioethics**

*3 semester hours*

Bioethics represents a complex intellectual phenomenon in the canon of newly emerging disciplines. Although an established academic field, it still struggles to find a formal and coherent methodology for the analysis of ethical problems triggered by advances in medicine and the life sciences. The course introduces students to the historical, theoretical, and thematic dimensions of bioethics. More specifically, the course looks at historical contribution of theologians and philosophers to bioethics; it addresses the theoretical challenges of bioethics as an interdisciplinary field, with an emphasis on dominant theories in bioethics; and, finally, it touches upon the main topics of bioethics, including medical experimentation, assisted reproductive technologies, genetics, transplantation, assisted suicide, and euthanasia.

### **BIOE 6100 Bioethics at the Beginning of Life**

*3 semester hours*

The course looks at bioethical questions that concern the beginnings of life. Topics include the ethics of abortion, maternal fetal conflicts, ethical problems in perinatology and neonatology, as well as the ethical judgment on the entire field of assisted reproductive medicine—from in vitro fertilization, to surrogate motherhood, gamete storage techniques, and pre-implantation genetic diagnosis. There is also a clinical component to this class that offers students with an opportunity for engaged learning. Students will be exposed to decision-making in the clinical setting of obstetrics and neonatology departments at various hospitals.

### **BIOE 6200 Law and Bioethics**

*3 semester hours*

The law contributes to public bioethics discourse on a variety of issues, from abortion to assisted suicide and euthanasia, to questions of access to health care. This course looks at the intersection of law and bioethics, relative especially to the study of important legal cases and court decisions. Examples include *Roe v. Wade* and *Planned Parenthood v. Casey* for abortion, *Quinlan*, *Cruzan*, and *Schiavo* for end of life issues, etc. Students will be exposed to the ethical reasoning of important legal cases and their jurisprudential developments, thus showing how landmark legal cases have shaped bioethical discourse.

### **BIOE 6300 Bioethics at the End of Life**

*3 semester hours*

The increasing medicalization of the dying process poses new ethical problems to health care professionals and patients alike. This course looks at the bioethical problems that concern the end of life. Topics include ethical criteria for withholding and withdrawing treatments, palliative care, proxy decision making for incompetent patients, as well as the controversial questions, newly emerging in both the clinical realm and the law, of assisted suicide and euthanasia. This class will entail a clinical component as well. Students will be exposed to decision-making in the clinical setting of the Intensive Care Unit at various hospitals or in nursing homes.

### **BIOE 6400 Clinical Bioethics**

*3 semester hours*

This class focuses on "clinical" bioethics, that is, the ethics of decision making at the bedside, exposing students to the practical mechanisms presiding over such decisions in today's health care facilities, such as ethics committees, clinical consultations, clinical rounds, etc. In addition to being introduced to some methods and

content of clinical bioethics, this class offers students a first exposure to the institutional mechanism mentioned above, together with the opportunity to interact with those who do bioethics in a clinical setting.

### **BIOE 6500 Elective Topics in Bioethics**

*3 semester hours*

This course analyzes specific topics in bioethics, such as public policy and bioethics, global bioethics, feminist bioethics, the relation between bioethics and environmental sensibility, history of medicine, sociology of medicine, etc. These courses are taught by affiliate faculty of the Bioethics Institute and introduce students to the interdisciplinary dimensions of bioethical questions.

### **BIOE 6600 Foundations of Theological Ethics**

*3 semester hours*

This course introduces students to the foundations of theological ethics. After a historical introduction dealing with different models of ethical thinking, the course looks at the following: biblical roots of Christian morality; the mediation of faith and moral reason, with special reference to the relation of philosophical and theological ethics; the debate on normative theories; and the integration of virtue ethics, fundamental moral option, and action theory. Applications to contemporary issues in the field of bioethics exemplify the meaning and function of different foundational frameworks and the relation between theory and practice in theological ethics.

### **BIOE 6700 Foundations of Philosophical Ethics**

*3 semester hours*

This course introduces students to the theories and problems of moral philosophy, comprising both a historical and a systematic component. Main versions of ethics will be studied, including natural law and virtue ethics, deontological and consequentialist theories. Students will understand the function and importance of ethical frameworks for the articulation of bioethical problems.

### **BIOE 6999 Independent Studies**

*1 TO 3 semester hours*

## **Biology (BIOL)**

### **BIOL 101 General Biology I**

*3 semester hours*

Unifying principles of biology; introduction to cell structure and function, genetics, control systems, tissues, organs, and organ systems.

Frank R. Seaver College of Science and Engineering majors only.  
Lecture, 3 hours.

### **BIOL 102 General Biology II**

*3 semester hours*

An introduction to the mechanism of evolution; major patterns of biotic evolution; and the principles of ecology.

Frank R. Seaver College of Science and Engineering majors only.  
Lecture, 3 hours.  
Prerequisites: BIOL 101 and BIOL 111.

### **BIOL 111 General Biology I Lab**

*2 semester hours*

A survey of the three domains.

Frank R. Seaver College of Science and Engineering majors only.  
Lecture, 1 hour; Laboratory, 4 hours.  
Prerequisite: BIOL 101 or concurrent enrollment.

### **BIOL 112 General Biology II Lab**

*2 semester hours*

An experimental approach to biology with emphasis on design, execution, and analysis to answer biological questions.  
Frank R. Seaver College of Science and Engineering majors only.  
Lecture, 1 hour; Laboratory 4 hours.  
Prerequisite: BIOL 101 or BIOL 102, or concurrent enrollment.

### **BIOL 114 Biology for Engineers**

*3 semester hours*

This course addresses fundamental concepts and language of biology. Topics include cell biology, genetics, organ systems, ecosystems, organisms, and engineering applications.  
Frank R. Seaver College of Science and Engineering majors only.  
Lecture, 3 hours.

### **BIOL 194 Introduction to Research**

*0 TO 4 semester hours*

An introduction to scientific research methodology: information gathering, data analysis, laboratory research practice in a faculty laboratory.

### **BIOL 198 Special Studies**

*1 TO 4 semester hours*

### **BIOL 199 Independent Studies**

*1 TO 4 semester hours*

### **BIOL 201 Cell Function**

*3 semester hours*

Cellular and sub-cellular structures and functions including: DNA and RNA structure and function; protein synthesis and structure; enzyme function; metabolic pathways; membrane function.  
Prerequisites: BIOL 101, CHEM 112, or concurrent enrollment.

### **BIOL 202 Genetics**

*3 semester hours*

A study of Mendelian and molecular genetics.  
Prerequisite: BIOL 201.  
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **BIOL 260 Human Biology**

*3 semester hours*

The discussion of general biological principles with a human emphasis. Topics include: cells; heredity and reproduction; animal behavior; organ systems; drugs; disease; ecology; and evolution.  
Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **BIOL 263 Natural History of Southern California**

*3 semester hours*

Introduction to the geography, climate, plant communities, and common animals of Southern California; animals will be covered in regard to behavior, taxonomy, and ecology.  
Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **BIOL 264 The Marine Environment**

*3 semester hours*

An introduction to marine biology, including its history, different communities and the animals and plants that occur in marine ecosystems, and their economic importance.  
Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **BIOL 266 Sacred and Medicinal Plant Use**

*3 semester hours*

The sacred and medicinal use of plants and hallucinogenic fungi by

traditional and modern cultures, including the biological basis for their use.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **BIOL 271 Human Reproduction and Development**

*3 semester hours*

The biological aspects of human reproduction, including the basic reproductive system, genetics, fetal development, nutrition, pregnancy, birth, and neonatal development.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **BIOL 272 Human Drug Use**

*3 semester hours*

The physiological, psychological, and social effects of the use of alcohol, tobacco, and other therapeutic and recreational drugs.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **BIOL 275 Human Genetics**

*3 semester hours*

Basic Mendelian genetics and the application to individual risk assessments. Population genetics and the implications of artificial selection. Modern molecular genetics and medical applications.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **BIOL 277 Plants and Society**

*3 semester hours*

An introduction to the natural evolution of plant species and the associated cultural evolution of man's relationship to plants. A multidisciplinary approach to studying the relationship between plants and people. An exploration of plants as sources of food and medicine, commercial products, and the role of plants in preserving and restoring the environment.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **BIOL 278 Tropical Marine Ecology**

*3 semester hours*

Field studies of the tropical marine habitats in Isla Roatan, Honduras. This includes the examination of the ecology and biology of coral reefs, mangroves, seagrass beds, and intertidal communities.

Summer only—Study Abroad Program.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher. Open water SCUBA certification highly recommended.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **BIOL 294 Independent Research**

*0 TO 4 semester hours*

### **BIOL 295 Biology Internship**

*1 TO 2 semester hours*

Work experience involving research, industry-, or community-based projects.

May be taken only once for credit.

Credit/No Credit grading only.

### **BIOL 298 Special Studies**

*1 TO 4 semester hours*

### **BIOL 299 Independent Studies**

*1 TO 4 semester hours*

### **BIOL 311 Plant Interactions**

*3 semester hours*

Study of various ways in which plants interact with other organisms, such as herbivores, pathogens, symbiotic bacteria and fungi, and the outcomes of that interplay. Examination of the physiological, biochemical, and genetic bases of these interactions and how understanding the chemical and molecular communication that takes place has implications for improvement of agriculture and human health.

Prerequisites: BIOL 112, BIOL 201, BIOL 202; CHEM 220.

### **BIOL 312 Field Botany**

*4 semester hours*

The identification, distribution, evolution, and ecological relationships of the native plants of Southern California.

Lecture, 3 hours; Laboratory 4 hours; 4 weekend field trips.

Prerequisites: BIOL 102, BIOL 111, BIOL 112; CHEM 110, CHEM 111; MATH 122 or MATH 131.

University Core fulfilled: Flag: Engaged Learning.

### **BIOL 314 Tropical Ecology**

*4 semester hours*

An introduction to Neotropical biodiversity, natural history and conservation, as well as an examination of the diversity of tropical species interactions in an international field setting.

Travel embedded course—lab travels to Costa Rica during Spring break.

Prerequisites: BIOL 102, BIOL 111, BIOL 112; CHEM 221; MATH 122 or MATH 131.

### **BIOL 315 World Vegetation Ecology**

*3 semester hours*

Characteristics and distribution of the major vegetation types of the world, emphasizing environmental conditions, plant adaptations and ecosystem processes.

Prerequisites: BIOL 102, BIOL 111; CHEM 110, CHEM 112.

### **BIOL 316 Island Biology**

*3 semester hours*

Island biogeography and evolution, dispersal, adaptive radiation, gigantism/dwarfism, flightlessness, reproductive biology, endemism, and relictualism.

Lecture, 3 hours.

Prerequisites: BIOL 101 and BIOL 102.

### **BIOL 318 Principles of Ecology**

*4 semester hours*

An exploration of the interactions between organisms and their biotic and abiotic environment across population, community, and ecosystem levels.

Lecture, 3 hours; Laboratory, 4 hours; weekend field trips.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; CHEM 221; MATH 122 or MATH 131.

### **BIOL 321 Urban Ecology**

*3 semester hours*

An analysis of the dynamic and integrated nature of urbanized landscapes. Using active inquiry and the original literature, the course will engage the current theories and practice of the research being conducted on the patterns and process of urban ecosystems—ranging from biodiversity and trophic dynamics, to public health and environmental justice.

Prerequisites: BIOL 101, BIOL 102 or equivalent.

### **BIOL 322 Urban Ecology Lab**

*1 semester hour*

An inquiry-based investigation into the biophysical and human social dimensions of a local urban ecosystem, with a focus on group project development. At least one Saturday trip.

Prerequisites: BIOL 112 and BIOL 321, or concurrent enrollment.

**BIOL 328 Tropical Marine Ecology**

*3 semester hours*

Field studies of the tropical marine habitats on Isla Roatán, Honduras. This includes the examination of physical, chemical, and ecological aspects as applied to coral reefs, mangroves, seagrass beds, and intertidal communities.

Summer only—Study Abroad Program.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; CHEM 110, CHEM 112. Open water SCUBA certification highly recommended.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics; Flag: Engaged Learning.

**BIOL 329 Marine Ecology of Baja, California**

*3 semester hours*

Field studies of subtropical, intertidal and subtidal habitats along the coasts of Baja, California peninsula.

Emphasis on community structure.

Summer only. Entire course held at the LMU Baja, California Biological Station.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; CHEM 110, CHEM 112.

**BIOL 330 Embryology and Development**

*4 semester hours*

The development of chordates with emphasis on experimental embryology and underlying molecular mechanisms.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 112, BIOL 202; CHEM 222, CHEM 223.

**BIOL 333 Biology of Mammals**

*4 semester hours*

Examination of physical, physiological, and ecological characteristics of mammals, including taxonomic relationships, feeding and reproductive strategies, and local and world distribution of mammalian orders and families.

Lecture, 3 hours; Laboratory, 4 hours; Weekend field trips.

For majors only.

Prerequisites: BIOL 102, BIOL 112; CHEM 110, CHEM 112.

University Core fulfilled: Flags: Engaged Learning, Writing.

**BIOL 334 Invertebrate Zoology**

*4 semester hours*

A study of the anatomy, physiology, behavior, and ecology of invertebrates and the evolutionary relationships within and among the invertebrate phyla.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; CHEM 110, CHEM 112.

**BIOL 335 Comparative Anatomy**

*4 semester hours*

A comparative study of the vertebrate structures and their significance in terms of their evolution and function.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; CHEM 110, CHEM 112.

**BIOL 338 Animal Behavior**

*4 semester hours*

Study of the evolutionary aspects of behavioral ecology including

foraging strategies, social competition, communication, sexual selection, mating systems, cooperation, and social organization.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112.

University Core fulfilled: Flag: Writing.

**BIOL 351 General Physiology**

*3 semester hours*

Introduction to physiological principles and concepts with emphasis on organ systems.

Prerequisite: BIOL 201.

**BIOL 352 General Physiology Lab**

*1 semester hour*

Laboratory experiments in general physiology.

Laboratory, 4 hours; Data analysis, 1 hour.

Prerequisites: BIOL 112 and BIOL 351 or BIOL 356 or BIOL 357, or concurrent enrollment.

University Core fulfilled: Flag: Quantitative Reasoning; Writing.

**BIOL 353 Plant Physiology**

*3 semester hours*

Introduction to plant function, including photosynthesis, mineral nutrition, water relations, metabolism, and growth processes.

Prerequisites: BIOL 201; CHEM 220, CHEM 221; MATH 122 or MATH 131.

**BIOL 354 Plant Physiology Laboratory**

*1 semester hour*

Laboratory experiments in plant physiology.

Laboratory, 4 hours.

Prerequisites: BIOL 112 and BIOL 353 or concurrent enrollment.

University Core fulfilled: Flag: Writing.

**BIOL 356 Cell Biology**

*3 semester hours*

A detailed study of subcellular organelles, including their origin, function, and regulation within the cell.

Prerequisites: BIOL 202; CHEM 222, CHEM 223.

**BIOL 357 Comparative Animal Physiology**

*3 semester hours*

Environmental and evolutionary influences on functioning of animals, focusing on mechanisms and strategies utilized by animals to cope with challenges imposed by their biotic and abiotic surroundings.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, BIOL 202; CHEM 110, CHEM 112, CHEM 220, CHEM 221.

**BIOL 358 Hormones and Behavior**

*4 semester hours*

Study of the interaction of hormones and behavior in vertebrates.

Topics include organizational and activational effects of hormones, sex differences in behavior, reproductive behavior, parental behavior, social behavior, and stress.

Lecture, 3 hours; Laboratory 4 hours.

Prerequisites: BIOL 101, BIOL 112, BIOL 201; CHEM 220, CHEM 221.

University Core fulfilled: Flag: Engaged Learning.

**BIOL 359 Cell Biology Laboratory**

*1 semester hour*

Laboratory experiments in cell biology.

Laboratory, 4 hours.

Prerequisites: BIOL 112 and BIOL 201; CHEM 220.

**BIOL 361 General Microbiology**

3 semester hours

Properties and ecology of viruses, bacteria and protists; principles of genetics and physiology of bacteria; pathogenesis of bacteria and viruses; microbes as tools for molecular biology.

Prerequisites: BIOL 202 and CHEM 220.

### **BIOL 362 General Microbiology Laboratory**

1 semester hour

Laboratory experiments in general microbiology.

Laboratory, 4 hours.

Prerequisites: BIOL 112 and BIOL 361 or concurrent enrollment.

### **BIOL 363 Microbial Genomics Laboratory**

1 semester hour

Application of genomics tools, including laboratory methods and computer analyses, in a semester-long research project to understand microbial processes.

Laboratory: 4 hours.

Prerequisite: BIOL 202.

### **BIOL 367 Biological Databases**

3 semester hours

Interdisciplinary course at the interface between biology and computer science focusing on how biological information is encoded in the genome of a cell and represented as data in a database.

Biological concepts include DNA structure and function, the central dogma of molecular biology, and regulation of gene expression.

Computer science concepts and skills include command line interaction, the structure and functions of a database, and the management of data ranging from individual files to a full relational database management system. Emphasis on science and engineering best practices, such as maintaining journals and notebooks, managing files and code, and critically evaluating scientific and technical information. Course culminates with team projects to create new gene databases.

University Core fulfilled: Flags: Information Literacy, Oral Skills.

### **BIOL 368 Bioinformatics Laboratory**

1 semester hour

Current bioinformatics techniques will be used to address systems-level biological questions. Techniques may include: querying biological databases, sequence alignment, construction of phylogenetic trees, comparative genomics, genome annotation, protein structure analysis and prediction, modeling pathways and networks, use of biological ontologies, or the analysis of high-throughput genomic and proteomic data.

Prerequisites: BIOL 112, BIOL 202; CHEM 220.

### **BIOL 370 Plant Biotechnology**

3 semester hours

Biotechnology is a broad discipline in which biological processes, organisms, cells or cellular components are exploited to develop new technologies. Plant biotechnology employs a wide range of tools, including traditional breeding techniques and genetic engineering, to create plants with improved traits—more productive crops, more nutritious foods, and the production of biomaterials, medicines, and bioenergy. Principles of genetics, molecular biology, genomics, biochemistry, plant cell and tissue culture, and agronomy are employed to develop these novel technologies. We will discuss methodologies used to produce these plants, the genes that have been introduced to crop plants, and commercial product development. The course will also address concerns associated with plant biotechnology, including food safety, ecological risks, and resistance.

Prerequisites: BIOL 201 and CHEM 220.

### **BIOL 375 Advanced Genetics**

3 semester hours

Topics in genetics including both meiotic and mitotic recombination, quantitative genetics, gene structure, genetic control, and gene therapy.

Lecture, 3 hours.

Prerequisites: BIOL 202; CHEM 222, CHEM 223.

### **BIOL 376 Genetics Laboratory**

1 semester hour

Laboratory experiments in genetics.

Laboratory, 4 hours.

Prerequisites: BIOL 112, BIOL 202; CHEM 110, CHEM 112.

### **BIOL 380 Tropical Marine Ecology Laboratory**

1 semester hour

Requires consent of instructor.

### **BIOL 381 Baja Marine Ecology Laboratory**

1 semester hour

Requires consent of instructor.

### **BIOL 388 Biomathematical Modeling**

3 semester hours

Introduction to mathematical and statistical concepts closely related to research problems in biology. Biological topics include the structure, function, and regulation of the three major types of cellular pathways: metabolic, signaling, and gene regulatory pathways. Mathematical topics include statistical analysis of biological measurements, dynamic modeling of biological systems, and fitting models to observed data. Students will critically evaluate the primary literature and carry out three major modeling projects throughout the semester.

Prerequisites: BIOL 201; MATH 123 or MATH 132.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Oral Skills.

### **BIOL 394 Independent Research**

0 TO 4 semester hours

Independent research in a faculty laboratory.

### **BIOL 395 Biology Internship**

1 TO 2 semester hours

Work experience involving research, industry-, or community-based projects. May be taken only once for credit.

Credit/No Credit grading only.

### **BIOL 398 Special Studies**

1 TO 4 semester hours

### **BIOL 399 Independent Studies**

1 TO 4 semester hours

### **BIOL 422 Marine Biology**

4 semester hours

Examination of the physical, chemical, and biological patterns and processes that shape life in the oceans.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; BIOL 201, CHEM 110, CHEM 112.

University Core fulfilled: Flags: Engaged Learning, Information Literacy.

### **BIOL 433 Histology**

3 semester hours

The structure and function of human tissue types including basic histological techniques.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; CHEM 110, CHEM 112.

**BIOL 437 Plant Development**

3 semester hours

Biochemical, molecular, and genetic approaches to the study of pattern and tissue formation, embryogenesis, germination, flowering, photosynthesis, and plant-microbe interaction.

Prerequisites: BIOL 202; CHEM 222, CHEM 223 or concurrent enrollment.

**BIOL 438 Plant Development Laboratory**

1 semester hour

Laboratory experiments in plant developmental biology.

Laboratory, 4 hours.

Prerequisites: BIOL 112 and BIOL 437 or concurrent enrollment.

**BIOL 439 Molecular Biology Applications**

4 semester hours

The application of the techniques employed in molecular biology to the study of inherited diseases, genetic engineering, infectious diseases, cancer, and gene therapy.

Lecture, 2 hours; Laboratory, 6 hours.

Prerequisites: BIOL 112, BIOL 202; CHEM 220.

**BIOL 440 Molecular Neurobiology**

3 semester hours

A comprehensive study of the physiological and molecular properties of individual nerve cells and the synaptic connections between them. Basic mechanisms of mammalian nervous system function through the study of human neurological diseases, and how cellular and molecular basis of these diseases is driving therapeutic development will be discussed. Topics range from neuronal structure and function, communication at the synapse, biophysics of single channel gating, and transmission across chemical and electrical synapses. Additionally, actions of drugs on brain at clinical, cellular, and molecular levels will be explored.

Prerequisites: BIOL 201 and CHEM 220.

**BIOL 443 Molecular Biology**

3 semester hours

Study of properties, synthesis, and interactions of macromolecules; genetic engineering.

Prerequisites: BIOL 202; CHEM 220, CHEM 222.

**BIOL 445 Endocrinology**

3 semester hours

The study of the production, functions, and interactions of hormones and other chemical messengers involved in the integration of the living organism.

Prerequisites: BIOL 202 and CHEM 220.

**BIOL 449 Immunology**

3 semester hours

The study of the immune response mechanisms in the vertebrate organism, with special reference to humans.

Prerequisites: BIOL 202 and CHEM 220.

**BIOL 450 Physiology of Disease**

3 semester hours

Examination of normal function and selected disease-associated dysfunctions of the body's organ systems.

Prerequisites: BIOL 101, BIOL 102, BIOL 201, BIOL 202; CHEM 222 (or concurrent enrollment).

University Core fulfilled: Flag: Oral Skills.

**BIOL 460 Environmental Microbiology**

3 semester hours

Introduction to the diversity of microorganisms and their role in ecological and environmental processes in soil, water, and air;

environmental services provided by microorganisms; and how microbial functions are utilized in managed and artificial systems.

Prerequisites: BIOL 201 and CHEM 220.

**BIOL 461 Microbial Genetics**

3 semester hours

Mechanisms of inheritance and the regulation of gene expression in bacteria and viruses. Viral interactions with higher eukaryotes.

Prerequisites: BIOL 202; CHEM 222, CHEM 223 or concurrent enrollment.

**BIOL 474 Principles of Evolution**

3 semester hours

Study of the pattern and process of evolution. Topics include the development of theories of evolutionary change; the mechanisms of evolutionary change at the population (micro) level; and evolution at the macro level, focusing on speciation, phylogenetic analysis, historical biogeography, and extinctions.

Lecture, 3 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 201, BIOL 202.

**BIOL 475 Evolution**

4 semester hours

Study of the pattern and process of evolution. Topics include the development of theories of evolutionary change; the mechanisms of evolutionary change at the population (micro) level; and evolution at the macro level, focusing on speciation, phylogenetic analysis, historical biogeography, and extinctions.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 112, BIOL 201, BIOL 202.

**BIOL 477 Conservation Genetics**

4 semester hours

Survey of the major topics in conservation genetics. Basic models of population genetics and topics relevant to conservation genetics, such as population structure, inbreeding, genetic load, genetic variation, reserve design, and the ethical, moral, and political aspects of species conservation.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 112, BIOL 202.

**BIOL 478 Molecular Biology of the Genome**

4 semester hours

Advances in understanding cellular processes, gene expression, and the structure and function of macromolecules due to The Human Genome Project and associated new high-throughput technologies. Use of systems biology perspectives and bioinformatics tools to answer biological questions. May include: functional genomics, sequence alignment and phylogeny, comparative genomics, and biological pathways and networks.

Lecture, 2 hours; Laboratory, 6 hours.

Prerequisites: BIOL 112, BIOL 202; CHEM 220.

**BIOL 479 Molecular Mechanisms of Disease**

3 semester hours

Analysis of the molecular mechanisms which underlie the pathology of genetic and infectious diseases. Particular attention paid to molecular mechanisms of disease treatment and experimental analysis in the field of human molecular genetics.

Prerequisites: BIOL 202; CHEM 220, CHEM 222.

**BIOL 490 Biological Teaching**

1 TO 2 semester hours

Guided teaching of undergraduate laboratories.

May be repeated for credit.

Requires consent of instructor.

**BIOL 494 Independent Research**

0 TO 4 semester hours  
Independent research in a faculty laboratory.

**BIOL 498 Special Studies**

1 TO 4 semester hours

**BIOL 499 Independent Studies**

1 TO 4 semester hours

**BIOL 515 Ecology of Mutualisms**

2 semester hours

Characterization of conditional interspecific interactions and investigations into the variability of outcomes as mediated by seasonality, chemistry, novel habitats, and morphology.

Requires consent of instructor.

Prerequisites: BIOL 102, BIOL 111, BIOL 112; CHEM 113; MATH 122 or MATH 131.

**BIOL 521 Urban Ecology**

3 semester hours

An analysis of the dynamic and integrated nature of urbanized landscapes. Using active inquiry and the original literature, the course will engage the current theories and practice of the research being conducted on the patterns and process of urban ecosystem—ranging from biodiversity and trophic dynamics, to public health and environmental justice.

Lecture, 3 hours.

Prerequisites: Enrollment in Urban Ecology Track or consent of instructor and program director.

**BIOL 522 Marine Biology Research**

2 semester hours

An introduction to marine biology research techniques and basic marine ecosystems.

Requires consent of instructor.

**BIOL 528 Invertebrate Conservation Research**

2 semester hours

Participation in research on topics in invertebrate conservation biology. Research may include ecological and/or genetic approaches and methodologies.

Requires consent of instructor.

**BIOL 531 Developmental Genetics Research**

2 semester hours

Investigation through original literature and laboratory experience of the ways in which genes direct development.

Requires consent of instructor.

Prerequisite: BIOL 394, BIOL 494, or BIOL 594.

**BIOL 532 Drosophila Genetics Research**

2 semester hours

An introduction to the use of drosophila as a research tool in classical and molecular genetics.

Requires consent of instructor.

Prerequisite: CHEM 220.

**BIOL 536 Functional Morphology Research**

1 TO 2 semester hours

Participation in original research investigating the functional aspect of morphology and development in carnivorous mammals.

Requires consent of instructor.

**BIOL 537 Vertebrate Paleo Research**

1 TO 2 semester hours

Participation in original research investigating functional, evolutionary and ecological aspects of vertebrate paleontology in mammals and birds.

Requires consent of instructor.

**BIOL 551 Behavior and Physiology Research**

1 TO 2 semester hours

Participation in original laboratory and/or field research on social birds or mammals, addressing questions at the interfaces of behavior, physiology and ecology.

Requires consent of instructor.

**BIOL 561 Bioinformatics and Genomics**

2 semester hours

Investigation of the systems-level properties of biological pathways and networks. Research may include bioinformatics and/or functional genomics techniques.

Requires consent of instructor.

**BIOL 562 Microbiology Research**

2 semester hours

Participation in research investigating the role of microbes in the environment using culture based and molecular techniques.

Requires consent of instructor.

**BIOL 563 Molecular Genetics Research**

2 semester hours

Laboratory work in gene mapping and gene isolation.

Requires consent of instructor.

**BIOL 565 Plant Developmental Biology Research**

2 semester hours

Laboratory work in molecular and genetic analysis of plant development.

Requires consent of instructor.

**BIOL 566 Plant Research**

2 semester hours

Participation in laboratory and/or field research on the ecophysiological response of plants to environmental extremes.

Requires consent of instructor.

**BIOL 567 Plant-Microbe Interactions Research**

2 semester hours

Participation in research investigating the association between microbes and plants.

Requires consent of instructor.

**BIOL 569 Ethnobotany Seminar**

2 semester hours

An introduction to the mutual relationships between plants and traditional peoples with an emphasis on phyto medicines and sustainability.

Requires consent of instructor.

**BIOL 571 Conservation Biology Seminar**

2 semester hours

A survey of topics relating to the conservation of animals and plants, including extinction, genetic aspects, demography, insularization, threats to biodiversity, economics and politics, religious and ethical perspectives, and practical applications.

Requires consent of instructor.

**BIOL 584 Advanced Topics in Gene Expression**

2 semester hours

An in-depth exposure to topics in gene expression through analysis of data from primary research literature.

Requires consent of instructor.

Prerequisites: BIOL 201 and BIOL 202.

**BIOL 585 Issues in Biotechnology Seminar**

*2 semester hours*

An interdisciplinary seminar series bringing together faculty from different disciplines to present and discuss topics in biotechnology. Examples include sustainable agriculture, advances in medicine and biotechnology, legal and ethical considerations and biotechnology, the environment and biotechnology, the manipulation of biological machinery (proteins), the fusion of engineering and biotechnology (nanotechnology), the business of biotechnology. Requires consent of instructor.

### **BIOL 586 Molecular Cell Biology Research**

*2 semester hours*

Independent laboratory research examining questions pertaining to gene expression, including ribosome biogenesis and mRNA transport/localization, utilizing techniques of molecular and cell biology, biochemistry, and genetics. Requires consent of instructor.

### **BIOL 587 Molecular Mechanisms in Development Seminar**

*2 semester hours*

An exploration of current research utilizing molecular/ genetic techniques to study developmental biology. Requires consent of instructor.

### **BIOL 588 Advanced Systems Biology Research**

*2 semester hours*

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **BIOL 594 Independent Research**

*0 TO 4 semester hours*

Independent research in a faculty laboratory. Results must be presented formally.

### **BIOL 598 Special Studies**

*1 TO 3 semester hours*

Requires consent of instructor.

### **BIOL 599 Independent Studies**

*1 TO 3 semester hours*

## **Business Law (BLAW)**

### **BLAW 2210 Legal and Regulatory Environment**

*3 semester hours*

A survey course on the general concepts found in Business Law. The student will be exposed to legal, ethics, and regulatory terminology, concepts, and reasoning found when working within the business and government environment.

Prerequisites: BADM 1010 and BADM 1020, both with a minimum grade of C (2.0).

### **BLAW 3210 Business Law Applications and Cases**

*3 semester hours*

The course offers a detailed study of the nature of contracts and their applications in business organizations, personal property, real property, and commercial transactions. A focus will be placed on interpreting the law through existing case studies.

Prerequisite: BLAW 2210.

### **BLAW 3270 Marketing Law**

*3 semester hours*

To acquaint students with fundamental concepts, principles, and rules of marketing law that concern marketers and consumers in day-to-day activities, in private business relationships, and in their relationship with government. The course will focus on various legal constraints, problems and ramifications which should be recognized and addressed by marketers when making pricing, product, promotion, and distribution decisions.

(See MRKT 3570.)

Prerequisites: BLAW 2210 and MRKT 3510.

### **BLAW 4210 Entertainment Law**

*3 semester hours*

Law as it applies to the entertainment (motion picture, sound, television) industry, with particular focus on contracts and agency. Prerequisite: BLAW 2210.

### **BLAW 4220 Employment Law**

*3 semester hours*

This course provides a broad overview of federal and state employment laws, administrative agency regulations, and judicial decisions that govern the management of human resources. It provides a framework for the analysis and implementation of procedures that impact the employer-employee relationship in the workplace. Topics include the rules for proper advertising, screening, interviewing, and hiring of applicants; an analysis of the procedures that shape the training, promotion, discipline, and termination of employees; grievance handling, anti-discrimination laws, employee rights, health and safety regulations leaves of absence, harassment prevention, regulatory compliance, and administrative adjudication of claims.

(See MGMT 4620.)

Prerequisite: BLAW 2210.

### **BLAW 4230 Sports Law**

*3 semester hours*

Sports Law is a practical course that focuses on the nature, formation, and application of traditional legal concepts in relation to sports as a business and social entity. This upper division elective provides a comprehensive introduction to the different dimensions of the legal environment and their influence on the business of sports. Prerequisite: BLAW 2210.

### **BLAW 4240 Real Estate Law**

*3 semester hours*

A study of the legal aspects involved in real estate ventures. This course will explore the nature of property and land transactions, management based on current law code, and existing case law. This course provides an excellent legal foundation for students with an interest in future property ownership.

Prerequisite: BLAW 2210.

### **BLAW 4250 International Business Law**

*3 semester hours*

This course provides an excellent legal foundation for the international operation of businesses. Students will address balancing the legal interests of domestic and international parties and will explore the applicable legal guidelines and case history. (See INBA 4850.)

Prerequisites: BLAW 2210 and INBA 3810.

### **BLAW 4298 Special Studies**

*1 TO 3 semester hours*

### **BLAW 4299 Independent Studies**

*1 TO 3 semester hours*

## **Catholic Studies (CATH)**

### **CATH 1030 Theological Foundations of Catholicism**

*4 semester hours*

(See THST 1030.)

### **CATH 1998 Special Studies**

*1 TO 4 semester hours*

**CATH 1999 Independent Studies**

*1 TO 4 semester hours*

*4 semester hours*

(See THST 3233.)

**CATH 2998 Special Studies**

*1 TO 4 semester hours*

**CATH 3237 Sex and the City of God**

*4 semester hours*

(See THST 3237.)

**CATH 2999 Independent Studies**

*1 TO 4 semester hours*

**CATH 3240 Water, Word, and Wine**

*4 semester hours*

(See THST 3240.)

**CATH 3020 Late Antique and Medieval Western Christianity**

*4 semester hours*

(See THST 3020.)

**CATH 3241 Meeting Christ in Faith and Art**

*4 semester hours*

(See THST 3241.)

**CATH 3021 The History of Christianity from the Middle Ages to the Present**

*4 semester hours*

(See THST 3021.)

**CATH 3242 Faith and the Management Profession**

*4 semester hours*

(See THST 3242.)

**CATH 3022 Women in Christian History**

*4 semester hours*

(See THST 3022.)

**CATH 3250 Psychology, Spirituality, Transformation**

*4 semester hours*

(See THST 3250.)

**CATH 3100 The Good Life**

*4 semester hours*

(See PHIL 3100.)

**CATH 3285 Women and Religion**

*4 semester hours*

(See THST 3285.)

**CATH 3105 Ethics of Love and Marriage**

*4 semester hours*

(See PHIL 3105.)

**CATH 3310 Guadalupe: Queen of the Americas**

*4 semester hours*

(See CLST 3310.)

**CATH 3110 Environmental Ethics**

*4 semester hours*

(See PHIL 3110.)

**CATH 3339 Rhetoric, Literature, and Religion**

*4 semester hours*

(See ENGL 3339.)

**CATH 3115 Ethics for Engineering and Science**

*4 semester hours*

(See PHIL 3115.)

**CATH 3400 Philosophy of Religion**

*4 semester hours*

(See PHIL 3400.)

**CATH 3120 Business Ethics**

*4 semester hours*

(See PHIL 3120.)

**CATH 3561 Christian Marriage and Sexuality**

*4 semester hours*

(See THST 3561.)

**CATH 3211 Jesus in Gospel and Film**

*4 semester hours*

(See THST 3211.)

**CATH 3563 Love and Justice**

*4 semester hours*

(See THST 3563.)

**CATH 3220 Eastern Christian Traditions**

*4 semester hours*

(See THST 3220.)

**CATH 3741 Religion and Film**

*4 semester hours*

(See THST 3741.)

**CATH 3222 European Christianity: Schism, Reform, and Ecumenical Dialogue**

*4 semester hours*

(See THST 3222.)

**CATH 3752 Contemplatives in Action: Psychology, Spirituality, and Liberation**

*4 semester hours*

(See THST 3752.)

**CATH 3223 Mystics and Heretics**

*4 semester hours*

(See THST 3223.)

**CATH 3780 World Religions and Ecology**

*4 semester hours*

(See THST 3780.)

**CATH 3231 Catholicism after Vatican II**

*4 semester hours*

(See THST 3231.)

**CATH 3806 Medieval Art**

*3 semester hours*

(See ARHS 306.)

**CATH 3232 U.S. Latin@ Theology**

*4 semester hours*

(See THST 3232.)

**CATH 3998 Special Studies**

*1 TO 4 semester hours*

**CATH 3233 Merton and Day**

**CATH 3999 Independent Studies**

*1 TO 4 semester hours*

**CATH 4023 Medieval Theology**

4 semester hours  
(See THST 4023.)

**CATH 4031 Christology**

4 semester hours  
(See THST 4031.)

**CATH 4040 Eucharistic Theology**

4 semester hours  
(See THST 4040.)

**CATH 4051 Ignatian Spirituality**

4 semester hours  
(See THST 4051.)

**CATH 4090 Major Theological and Religious Thinker**

4 semester hours  
(See THST 4090.)

**CATH 4120 History of the Byzantine Empire**

4 semester hours  
(See HIST 4120.)

**CATH 4142 Transformation of Medieval Europe**

4 semester hours  
(See HIST 4142.)

**CATH 4810 Italian Renaissance Art**

3 semester hours  
(See ARHS 410.)

**CATH 4813 Baroque Art in Rome: Visualizing the Faith**

3 semester hours  
(See ARHS 413.)

**CATH 4900 Seminar in Catholic Studies**

4 semester hours  
The capstone seminar in Catholic Studies explores the relationship between Catholicism and culture organized around a central theme. This interdisciplinary course provides an opportunity for students to synthesize their Catholic Studies courses.

**CATH 4998 Special Studies**

1 TO 4 semester hours

**CATH 4999 Independent Studies**

1 TO 4 semester hours

**Chemistry (CHEM)****CHEM 110 General Chemistry I**

3 semester hours  
Atomic theory; chemical nomenclature; chemical equations and reactions; stoichiometry; properties of gases, solids, and liquids; electronic structure of atoms and periodic properties of the elements; covalent bonding and molecular geometry.  
Lecture, 3 hours.  
Prerequisite: MATH 120, MATH 122, or MATH 131 or concurrent enrollment.  
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

**CHEM 111 General Chemistry I Lab**

1 semester hour  
Basic chemical lab technique, conservation of mass, definite composition, molar masses, gravimetric and titrimetric analyses, redox chemistry.

Lecture and laboratory, 4 hours.  
Prerequisite: CHEM 110, CHEM 114, or concurrent enrollment.

**CHEM 112 General Chemistry II**

3 semester hours  
Solutions, chemical kinetics, thermodynamics, acids and bases, equilibria, electrochemistry, nuclear reactions, and selected additional topics.  
Lecture, 3 hours.  
Prerequisite: CHEM 110.

**CHEM 113 General Chemistry II Lab**

1 semester hour  
Chemical kinetics, equilibrium, complex ions, solubility, visible spectrophotometry, inorganic synthesis, crystallization, inorganic qualitative analysis.  
Lecture and laboratory, 4 hours.  
Prerequisites: CHEM 111; CHEM 112 or concurrent enrollment.

**CHEM 114 General Chemistry for Engineers**

3 semester hours  
Atomic theory; stoichiometry; properties of gases, liquids, and solids; electronic structure and periodic table; covalent bonding; kinetics and equilibrium; acid-base, precipitation, and reduction-oxidation reactions; basic thermodynamics.  
Lecture, 3 hours.  
Engineering majors only.

**CHEM 190 World of Chemistry and Biochemistry**

1 semester hour  
Introduction to the Chemistry and Biochemistry programs, faculty, staff, and the facilities. Students will have the opportunity to learn about the various research programs in the department. Students will also be introduced to various chemistry and biochemistry careers.  
Seminar, 2 hours.  
Credit/No Credit grading only.

**CHEM 198 Special Studies**

0 TO 3 semester hours

**CHEM 199 Independent Studies**

0 TO 3 semester hours

**CHEM 220 Organic Chemistry I**

3 semester hours  
Introduction to the fundamentals of organic chemistry: chemical properties, synthesis and nomenclature of alkanes, alkenes, cycloalkanes, aromatic hydrocarbons, and alkyl halides.  
Lecture, 3 hours.  
Prerequisites: CHEM 110 and CHEM 112.  
University Core fulfilled: Flag: Quantitative Reasoning.

**CHEM 221 Organic Chemistry I Lab**

1 semester hour  
Introduction to the fundamental lab techniques used in organic chemistry.  
Lecture and laboratory, 4 hours.  
Prerequisites: CHEM 111, CHEM 113; CHEM 220 or concurrent enrollment.

**CHEM 222 Organic Chemistry II**

3 semester hours  
Introduction to the chemistry of alcohols, ethers, carbonyl compounds, amines, and carbohydrates.  
Lecture, 3 hours.  
Prerequisite: CHEM 220.

**CHEM 223 Organic Chemistry II Lab**

1 semester hour

Laboratory experience in synthesis and analysis of organic compounds.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 221; CHEM 222 or concurrent enrollment.

**CHEM 250 Earth Systems**

3 semester hours

An introductory exploration of how the Earth works. Focus is placed on connecting the Earth systems—the solid Earth, atmosphere, oceans, and biosphere—through the cycling of chemical elements and energy. The course will also discuss significant anthropogenic impacts to the natural Earth system.

Lecture, 3 hours.

Prerequisites: CHEM 110 and CHEM 112.

University Core fulfilled: Flag: Information Literacy.

**CHEM 261 The Science in Science Fiction**

3 semester hours

The physics, chemistry, and biology found in science fiction literature and examined for accuracy and probability. Topics include the physics of space and space habitats, the chemistry and biology of life arising under non-earthlike conditions, and the ecology of imagined worlds. "Engineering" new worlds on the basis of sound scientific theory will be expected. Understanding of physical implications of simple algebraic expressions is required.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

**CHEM 262 The Chemical Environment**

3 semester hours

The important chemical processes of the world in which we live; air, water, agriculture, food additives, household chemicals, cosmetics, chemotherapy, sports, toxic waste management.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**CHEM 270 Frontiers of Science**

3 semester hours

Study of the methods of inquiry used across the disciplines in science. Development of scientific literacy through discussion of important public issues such as energy, medicine, the environment, and climate change.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

**CHEM 281 The Science of CSI: An Introduction to Forensic Science**

3 semester hours

This course gives students an introduction to the forensic sciences and an appreciation for the activities of a real forensic laboratory. This course utilizes lecture and inquiry based laboratory activities and experiments to introduce basic scientific concepts and develop problem solving and critical thinking skills in a chemical and biological context. Topics will include basic chemistry, biology, and analytical techniques; crime scene analysis; arson investigation; and fingerprint, drug, blood, and DNA analyses. No prior science background is required.

Lecture, 3 hours.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

**CHEM 290 Chemistry Seminar**

1 semester hour

Regular attendance by second-year students at the Departmental Seminar Program.

May be taken twice.

Credit/No Credit grading only.

**CHEM 298 Special Studies**

1 TO 3 semester hours

**CHEM 299 Independent Studies**

1 TO 3 semester hours

**CHEM 330 Inorganic Chemistry**

3 semester hours

Introduction to the chemistry of the transition elements. Structure, stereochemistry, and bonding in transition metal complexes. Applied thermodynamics, oxidation-reduction, and descriptive chemistry of the main group elements. Nuclear reactions and the actinide elements.

Lecture, 3 hours.

Prerequisite: CHEM 222.

**CHEM 331 Inorganic Chemistry Lab**

1 semester hour

The synthesis of transition metal complexes and characterization by intra-red, UV-Visible, and NMR spectroscopy. Optical activity and the resolution of a racemic mixture. Organometallic compounds and clusters of the p-block elements. Reactions in non-aqueous solvents and under an inert atmosphere.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 222 and CHEM 223.

**CHEM 340 Physical Chemistry**

3 semester hours

The objective of this course is to introduce the student to the principles of physical chemistry, both to satisfy a requirement of the major and to serve as preparation to enrollment in subsequent in-depth courses in selective topics in physical chemistry. Topics include: properties of gases, chemical thermodynamics, chemical equilibria, colligative properties, electrochemistry, chemical kinetics, quantum mechanics, atomic and molecular spectroscopy.

Lecture, 3 hours.

Prerequisites: CHEM 222 and CHEM 223; MATH 123 or MATH 132; PHYS 201 or PHYS 254.

University Core fulfilled: Flag: Quantitative Reasoning.

**CHEM 341 Physical Chemistry Lab**

1 semester hour

Physical measurements, calorimetry, physical equilibria, phase behavior, chemical equilibria, kinetics, colligative properties, atomic and molecular spectroscopy.

Lecture and laboratory, 4 hours.

Prerequisite: CHEM 340 or concurrent enrollment.

University Core fulfilled: Flag: Quantitative Reasoning; Writing.

**CHEM 342 Advanced Physical Chemistry**

3 semester hours

Chemical kinetics, quantum mechanics, atomic and molecular spectroscopy, statistical mechanics.

Lecture, 3 hours.

Prerequisites: CHEM 340 and CHEM 341.

**CHEM 343 Advanced Physical Chemistry Lab**

1 semester hour

Kinetics, colligative properties, atomic and molecular spectroscopy.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 340, CHEM 341; CHEM 342 or concurrent enrollment.

**CHEM 346 Physical Biochemistry**

3 semester hours

Chemical and enzyme kinetics, solutions of macromolecules, chemical equilibria, transport processes, sedimentation, transport in electric fields, physical methods in biochemistry, scattering, molecular modeling.

Lecture, 3 hours.

Prerequisites: CHEM 340 and CHEM 341.

Corequisite: CHEM 347.

**CHEM 347 Physical Biochemistry Lab**

1 semester hour

Kinetics, colligative properties, macromolecular solution properties, atomic and molecular spectroscopy as applies to biochemical systems.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 340 and CHEM 341.

Corequisite: CHEM 346.

**CHEM 352 Environmental Chemistry**

3 semester hours

A study of chemical processes in the environment: topics include stratospheric ozone depletion, the greenhouse effect, air pollution, sources of energy, water chemistry, water purification, sewage treatment, and pesticides.

Lecture, 3 hours.

Prerequisites: CHEM 110 and CHEM 112.

**CHEM 354 Air Pollution: Atmospheric Chemistry**

3 semester hours

Introduction to air pollution and the chemistry of the Earth's atmosphere. The fundamental natural processes controlling trace gas and aerosol concentrations in the atmosphere will be explored as well as how anthropogenic activity has affected those processes at local, regional, and global scales.

Lecture, 3 hours.

Prerequisites: CHEM 110 and CHEM 112.

University Core fulfilled: Flag: Information Literacy.

**CHEM 356 Sustainable Practices**

3 semester hours

Discussion of the history of water and energy use in society; analysis of pollution resulting from use of non-renewable energy sources and recent advances in production of renewable and sustainable energy practices; and pollution of water with sustainable practices to provide clean freshwater and appropriate wastewater management.

Prerequisite: CHEM 112 or ENV5 101 or consent of instructor.

**CHEM 357 Environmental Chemistry I**

3 semester hours

A study of chemical processes in the environment. Topics include stratospheric ozone depletion, the greenhouse effect, climate change, air pollution, and non-renewable sources of energy.

Prerequisite: CHEM 220.

**CHEM 358 Environmental Chemistry II**

3 semester hours

A study of chemical processes in the environment. Topics include renewable sources of energy, water chemistry, water purification, sewage treatment, pesticides, solid waste, soils and sediments.

Prerequisite: CHEM 220.

**CHEM 359 Environmental Chemistry Laboratory**

1 semester hour

Analysis to determine pollutants found in air, water, soil systems; emphasis on the use of instrumental methods and techniques.

Laboratory, 4 hours.

Prerequisite: CHEM 357 or CHEM 358 or concurrent enrollment.

**CHEM 360 Analytical Chemistry and Lab**

4 semester hours

Theory of chemical analyses, statistical analyses in chemistry, and an introduction to spectroscopy. Lab includes quantitative analyses by gravimetric, titrimetric, and spectroscopic methods.

Lecture and laboratory, 8 hours.

Prerequisites: CHEM 112 and CHEM 113.

University Core fulfilled: Flag: Quantitative Reasoning.

**CHEM 370 Biochemistry**

3 semester hours

Macromolecular structure and function, enzymology, bioenergetics and kinetics, biotechnology, major metabolic pathways.

Lecture, 3 hours.

Prerequisites: CHEM 222 and CHEM 223.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**CHEM 371 Biochemistry Lab**

1 semester hour

Techniques of protein purification, enzyme assay, and kinetics.

Lecture and laboratory, 4 hours.

Prerequisite: CHEM 370 or concurrent enrollment.

University Core fulfilled: Flag: Engaged Learning; Writing.

**CHEM 372 Advanced Biochemistry**

3 semester hours

Metabolic regulation; macromolecular structure, function and synthesis membrane transport; DNA and RNA metabolism and control; biochemistry of vitamins and other nutrients; protein biosynthesis.

Lecture, 3 hours.

Prerequisite: CHEM 370.

**CHEM 373 Advanced Biochemistry Lab**

1 semester hour

Techniques in lipid and carbohydrate analysis; enzyme regulation; enzymes as diagnostic tools, restriction enzymes.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 370, CHEM 371; and CHEM 372 or concurrent enrollment.

**CHEM 380 Forensic Chemistry**

3 semester hours

An introduction to the forensic sciences with an emphasis on chemistry. This course gives students an appreciation for the activities of a real forensic laboratory. Topics covered include basic analytical techniques, arson investigation, and fingerprint, drug, blood, and DNA analyses.

Lecture, 3 hours.

Prerequisites: CHEM 222, CHEM 223, and CHEM 360 or consent of instructor.

**CHEM 382 Wine Chemistry**

3 semester hours

Addresses the major chemical topics associated with wine production, chemical analysis of wine and wine faults. Provides an overview of wine-making and the wine industry through a combination of lecture, lab and field trips.

Minimum age of 21 required for full participation.

Lecture, 3 hours.

Prerequisite: CHEM 222.

**CHEM 390 Chemistry Seminar**

1 semester hour

Regular attendance at Departmental Seminar Program.

Credit/No Credit grading only.

**CHEM 391 Chemistry Seminar**

1 semester hour

Regular attendance at Departmental Seminar Program and presentation of a seminar.

**CHEM 393 Chemistry/Biochemistry Internship**

1 TO 3 semester hours

Research/Development work conducted in a professional chemical setting in a local government or industrial laboratory. Work includes both theory and laboratory practice on a project designed cooperatively by the laboratory's supervisory staff and LMU faculty. The project is jointly supervised by on-site staff and LMU faculty. May be repeated for credit up to 6 semester hours. Credit/No Credit grading only.

**CHEM 397 Directed Research**

1 TO 3 semester hours

May be repeated for credit up to 6 semester hours. Consent of instructor required. Credit/No Credit grading.

**CHEM 398 Special Studies**

0 TO 3 semester hours

**CHEM 399 Independent Studies**

0 TO 3 semester hours

**CHEM 420 Advanced Organic Chemistry**

3 semester hours

Modern synthetic reactions, mechanisms and study of organic synthesis.

Lecture, 3 hours.

Prerequisites: CHEM 220 and CHEM 222.

**CHEM 421 Advanced Organic Chemistry Lab**

1 semester hour

Laboratory techniques for multi-step synthesis and spectroscopic analysis of organic compounds.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 222 and CHEM 223.

University Core fulfilled: Flag: Writing.

**CHEM 430 Advanced Inorganic Chemistry**

3 semester hours

Ligand field theory and spectral properties of transition metal complexes. Acid-base concepts and non-aqueous ionizing solvents. Molecular orbital theory applied to p-block clusters. Metallic bonding and chemistry of the solid state.

Lecture, 3 hours.

Prerequisites: CHEM 330 and CHEM 331 or concurrent enrollment.

**CHEM 434 Bioinorganic Chemistry**

3 semester hours

The study of the function and structure of metal ions in biology: the properties and spectroscopy of metal ions; metalloproteins; the interaction between metal ions and DNA or RNA; introduction of metal ions into biological systems as probes and as drugs.

Lecture, 3 hours.

Prerequisite: CHEM 370 or by consent of instructor.

**CHEM 460 Instrumental Analysis and Lab**

4 semester hours

Theory and practice of analytical methods including infrared spectroscopy, atomic spectroscopy, nuclear magnetic resonance spectroscopy, mass spectrometry, and gas and liquid chromatography.

Lecture and laboratory, 7 hours.

Prerequisite: CHEM 360.

University Core fulfilled: Flag: Writing.

**CHEM 474 Food Chemistry**

3 semester hours

The chemistry involved in food preparation and development. Examples include flavorings, food additives, what happens when it is cooked, then eaten; nutritional aspects of foods, food supplements, preservation, food fads.

Lecture, 3 hours.

Prerequisite: CHEM 370.

**CHEM 476 Advanced Topics in Biochemistry and Biotechnology**

3 semester hours

Recent advances in biochemistry and biotechnology are discussed and analyzed. Typical topics discussed include protein phage display, genome sequencing technologies, gene synthesis and mutagenesis, protein design and engineering. Students will also read and discuss recent publications from leaders in the fields of biochemistry and biotechnology.

Lecture, 3 hours.

Prerequisite: CHEM 370.

**CHEM 480 Medicinal Chemistry**

3 semester hours

Chemical principles involved in design and formulation of drugs; their absorption, distribution, and elimination; and their interaction at possible active sites. Mechanism of action of specific groups of drugs are discussed.

Lecture, 3 hours.

Prerequisite: CHEM 370 or consent of director.

**CHEM 482 Toxicology**

3 semester hours

An introduction to the principles of toxicology, emphasizing cellular mechanisms, e.g., cell signaling, mutagenesis, and/or carcinogenesis. Topics will also include dose-response, toxicokinetics, risk assessment, effects of toxicants on the environment, and approaches that can decrease the amounts of toxicants in the environment.

Prerequisite: CHEM 370 or consent of instructor.

**CHEM 490 Chemistry Seminar**

1 semester hour

Regular attendance at Departmental Seminar Program. Credit/No Credit grading only.

**CHEM 491 Chemistry Seminar**

1 semester hour

Regular attendance at Departmental Seminar Program and presentation of a seminar.

**CHEM 493 Chemistry/Biochemistry Internship**

1 TO 3 semester hours

Research/Development work conducted in a professional chemical setting in a local government or industrial laboratory. Work includes both theory and laboratory practice on a project designed cooperatively by the laboratory's supervisory staff and LMU faculty. The project is jointly supervised by on-site staff and LMU faculty.

A written report is required. May be repeated for credit up to 6 semester hours.

**CHEM 495 Chemistry Teaching**

0 TO 1 semester hour

Guided teaching of the undergraduate laboratories.

May be repeated for credit up to 8 semester hours.

Credit/No Credit grading only.

Approval of Department Chairperson required.

**CHEM 497 Directed Research**

1 TO 3 semester hours

A written report is required.

May be repeated for credit up to 6 semester hours.

Consent of instructor required.

**CHEM 498 Special Studies**

1 TO 3 semester hours

**CHEM 499 Independent Studies**

0 TO 4 semester hours

**CHEM 560 Introduction to Modern Spectroscopy**

3 semester hours

Theory, instrumentation principles, methods for data collection, results interpretation, and contemporary applications of modern spectroscopic methods including Gas Chromatography-Mass Spectrometry (GC-MS), Liquid Chromatography-Mass Spectrometry (LC-MS), Inductively Coupled Plasma-Mass Spectrometry (ICP-MS), and Nuclear Magnetic Resonance Spectroscopy (NMR). The course will include hands-on use of instrumentation in the laboratory setting. Prerequisite: CHEM 360 or consent of instructor.

**Chinese (CHIN)****CHIN 1998 Special Studies**

1 TO 4 semester hours

**CHIN 1999 Independent Studies**

1 TO 4 semester hours

**CHIN 2101 Chinese 1**

4 semester hours

This course is designed for students who have little or no knowledge of Mandarin Chinese. Students will be introduced to fundamentals of the language and will develop communicative skills and learn to read and write in spoken style.

This course requires participation in a weekly one-hour integrated drill session.

**CHIN 2102 Chinese 2**

4 semester hours

This course is a continuation of CHIN 2101. Students will continue learning the fundamentals of Mandarin Chinese. The four aspects of language skills—listening, speaking, reading, and writing in spoken style Chinese—are equally emphasized.

This course requires participation in a weekly one-hour integrated drill session.

Prerequisite: CHIN 2101 or by LMU Placement Exam.

**CHIN 2103 Chinese 3**

4 semester hours

Builds upon the fundamentals of Mandarin Chinese studied in CHIN 2101 and CHIN 2102. Students will continue to develop the four aspects of their language skills: listening, speaking, reading, and writing. Students are expected to write short paragraphs and conduct oral presentations.

This course requires participation in a weekly one-hour integrated drill session.

Prerequisite: CHIN 2102 or by LMU Placement Exam.

**CHIN 2104 Chinese 4**

4 semester hours

This course is a continuation of CHIN 2103. Four aspects of language—listening, speaking, reading, and writing—are equally emphasized. Students will be introduced to more idiomatic expressions, grammatical structures, and cultural elements.

Students are expected to write short paragraphs and do oral presentations. The basic written style will also be introduced.

This course requires participation in a weekly one-hour integrated drill session.

Prerequisite: CHIN 2103 or by LMU Placement Exam.

**CHIN 2998 Special Studies**

1 TO 4 semester hours

**CHIN 2999 Independent Studies**

1 TO 4 semester hours

**CHIN 3605 Chinese 5**

4 semester hours

This course will help students continue to develop their four skills of listening, speaking, reading, and writing, with a focus on oral skills. Many of the grammatical constructions introduced in first and second year Chinese will be repeated in this course with increasing sophistication in terms of style and usage. Students are required to comprehend and produce paragraph-level Chinese. Rigorous practice of spoken and written style Chinese in complex communicative activities will be conducted. Students will also do intensive reading of expository writings on a variety of cultural topics.

Prerequisite: CHIN 2104 or by LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

**CHIN 3606 Chinese 6**

4 semester hours

This course is designed to help students further solidify their language and literacy skills; moreover, this course helps students improve their understanding of today's China. It seeks to enable students to give formal reports, give factual accounts, read materials, write essays, reports, and all types of correspondence in written style Chinese.

Prerequisite: CHIN 3605 or by LMU Placement Exam or consent of instructor.

University Core fulfilled: Flag: Oral Skills.

**CHIN 3998 Special Studies**

1 TO 4 semester hours

**CHIN 3999 Independent Studies**

1 TO 4 semester hours

**CHIN 4208 Selected Topics in Contemporary Chinese Society**

4 semester hours

This course intends to help students develop knowledge and perspectives about contemporary Chinese society. Students will be exposed to different aspects of Chinese culture and their relationship with the Chinese language in the process of China's social and cultural transformation. This class will be taught in both Chinese and English.

Prerequisite: CHIN 3606 or consent of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

**CHIN 4309 Modern China through Film**

4 semester hours

By introducing well-known films produced in the twentieth century by filmmakers from Mainland China, Taiwan, and Hong Kong, this seminar explores the immense panorama of contemporary Chinese society from different perspectives. Key issues include gender, identity, youth, family, education, and modernity. The class will be taught in Chinese entirely.

Prerequisite: CHIN 3606 or consent of instructor.

**CHIN 4510 Modern Chinese Literature and Culture**

*4 semester hours*

This course introduces students to some key topics in modern Chinese literature, cinema, and culture. We will examine the ways in which these literary and cultural texts engage modern Chinese experience. This course will help students acquire language skills that allow them to formulate culturally informed and formally attentive interpretations of modern Chinese texts. Through close reading exercises and discussions, this course aims for students to gain a deeper understanding of modern Chinese culture and society. Prerequisite: CHIN 3606 or by LMU Placement Exam or consent of instructor.

**CHIN 4807 Advanced Reading in Chinese**

*4 semester hours*

In this theme-based course, students will develop integrated skills in reading, writing, speaking, and listening. While an integrated approach to teach all language skills is adopted, it is on reading and building reading skills that this course places its special focus. Students will study texts of three different genres (narrative, expository, and news features) and be exposed to topics such as Chinese population, housing, education, job-seeking, and love and marriage. Prerequisite: CHIN 3605 or by LMU Placement Exam or consent of instructor.

**CHIN 4998 Special Studies**

*1 TO 4 semester hours*

**CHIN 4999 Independent Studies**

*1 TO 4 semester hours*

**Chicana/o and Latina/o Studies (CLST)**

**CLST 1116 Introduction to Chicana/o-Latina/o Studies**

*4 semester hours*

An interdisciplinary overview of Chicana/o-Latina/o Studies to familiarize students with historical and contemporary issues in Chicana/o and Latina/o communities. University Core fulfilled: Foundations: Studies in American Diversity.

**CLST 1126 Chicana/o Cultural Production**

*4 semester hours*

Examines contemporary Chicana/o cultural production, including performance, film, and art. Comparisons are made to other ethnic groups and cross-cultural production.

**CLST 1998 Special Studies**

*1 TO 4 semester hours*

**CLST 1999 Independent Studies**

*1 TO 4 semester hours*

**CLST 2206 Introduction to Chicana/o, Latina/o Literature**

*4 semester hours*

An overview of a range of genre, themes, and concepts created by Chicana/o and other U.S. Latina/o writers.

**CLST 2998 Special Studies**

*1 TO 4 semester hours*

**CLST 2999 Independent Studies**

*1 TO 4 semester hours*

**CLST 3302 Chicanas and Latinas in the U.S.**

*4 semester hours*

Analysis of the historical, social, and cultural characteristics that shape the roles of Chicanas and Latinas in the U.S.

**CLST 3308 Contemporary Urban Issues**

*4 semester hours*

Using service learning in Los Angeles, the course helps students understand how the lives of Chicanas/os and Latinas/os are shaped by politics, economics, culture, history, and access to nation-state institutions.

University Core fulfilled: Integrations: Interdisciplinary Connections;

Flag: Engaged Learning.

Corequisite: CLST 3309.

**CLST 3309 Engaged Learning Lab**

*0 semester hours*

This course is a zero-semester-hour lab that is required for CLST 3308.

Credit/No Credit grading.

Corequisite: CLST 3308.

**CLST 3310 Guadalupe, Queen of the Américas**

*4 semester hours*

The course investigates the Virgin of Guadalupe's religious, cultural, and artistic significance among Mexicans and Mexican Americans in the United States. It uses interdisciplinary methods to examine Latino theology, the faith-practices and devotions to Guadalupe, and contemporary visual arts.

University Core fulfilled: Integrations: Faith and Reason; Flag:

Writing.

**CLST 3320 Racial and Ethnic Politics**

*4 semester hours*

Comparative analysis of racial and ethnic groups within the United States political system. A focus on the effect of political institutions on minority groups at federal, state, and local levels. Examines the experience of minority groups to illuminate political process in the U.S.

**CLST 3332 Chicana/o-Latina/o Literature**

*4 semester hours*

Examines Chicana/o-Latina/o literature, its criticism as well as its various artistic genres, introducing students to its aesthetic and social values. (See ENGL 3350.)

University Core fulfilled: Integrations: Interdisciplinary Connections.

**CLST 3354 Prison Literature**

*4 semester hours*

(See ENGL 3354.)

**CLST 3360 Chicana/o History**

*4 semester hours*

An analytical survey of Native America, Mexican America, and the recent past with a focus on race, ethnicity, sexuality, gender, and class.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Writing.

**CLST 3367 History of Los Angeles**

*4 semester hours*

(See HIST 4410.)

**CLST 3998 Special Studies**

*1 TO 4 semester hours*

**CLST 3999 Independent Studies**

*1 TO 4 semester hours*

**CLST 4310 Chicana/o Politics**

*4 semester hours*

(See POLS 4310.)

**CLST 4350 Immigration and Los Angeles**

4 semester hours  
(See APAM 4350.)

**CLST 4380 The Politics of California**

1 TO 4 semester hours  
(See POLS 4380.)

**CLST 4390 The Politics of Los Angeles**

4 semester hours  
(See POLS 4390.)

**CLST 4404 Latina Feminist Theory**

4 semester hours

Focuses on current writings by Chicana feminists and connects this material to African American and Asian American feminist theory.

The course traces the development of Chicana feminism and its concern with the interlocking conditions of gender, race, sexuality, and class.

University Core fulfilled: Flag: Writing.

**CLST 4406 Chicana/o Consciousness**

4 semester hours  
(See ENGL 3353.)

**CLST 4407 Mexican Presence in Los Angeles Art since 1945**

4 semester hours

A historical and social investigation of Chicana/o art and the politics of identity. The course includes options for curating a virtual art gallery, field trips, and other creative assignments.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**CLST 4460 The Chicana/o Southwest**

4 semester hours

An examination of the historical and contemporary issues shaping this important region of the U.S. Attention to indigenous communities, women, and current political issues.

**CLST 4465 Chicana/os-Latina/os in Film and Mass Media**

4 semester hours

An examination of film and other forms of mass media, focusing on issues of representation as well as production. Subject matter addresses both Chicano cinema and Mexican/Latin American cinema.

**CLST 4998 Special Studies**

1 TO 4 semester hours

**CLST 4999 Independent Studies**

1 TO 4 semester hours

**CLST 5000 Capstone Seminar**

4 semester hours

A senior seminar required of majors and minors. Students conduct original, independent research and present the work before an audience.

University Core fulfilled: Flags: Oral Skills, Writing.

**Civil Engineering (CIVL)****CIVL 200 Mechanics of Materials**

3 semester hours

Development of relationships between loads applied to an elastic body to stresses and deformations produced in the body, the relation between stresses and strains, approaches for finding necessary dimensions of a member with respect to material capabilities and design constraints.

Lecture, 3 hours.

Prerequisite: ENGR 200.

**CIVL 210 Surveying and Mapping**

3 semester hours

Study of basic surveying instruments and related computations for topographic surveys, horizontal and vertical curves, and the design of highways. The course will include computer aided design and geographic information systems (applications of AutoCAD to civil engineering design and fundamentals of GIS using ArcView).

Lecture, 2 hours; Laboratory, 4 hours.

Sophomore standing required.

University Core fulfilled: Flag: Information Literacy.

**CIVL 230 Particle Dynamics**

2 semester hours

Kinetics and kinematics of particles. Application of Newton's laws, principles of work and energy, impulse and momentum.

Lecture, 2 hours.

Prerequisite: ENGR 200.

**CIVL 250 Thermal-Fluid Systems**

3 semester hours

Fluid statics including pressure in a static fluid, differential manometers, hydrostatic forces on plane and curved surfaces, buoyancy and stability, Bernoulli's Equation and applications, fundamental of classic thermodynamics, properties of pure substances, work and heat, energy balances for closed and open systems, cycles, second law, entropy, irreversible processes, isentropic processes, power and refrigeration cycles, steam turbines.

Prerequisite: ENGR 200.

**CIVL 302 Seismic Design of Structures**

3 semester hours

Free and forced vibration of discrete single and multiple degree of freedom systems, continuous systems, design for earthquake loading, application of the Uniform Building Code to the seismic design of structures.

Lecture, 3 hours.

University Core fulfilled: Flag: Quantitative Reasoning.

Prerequisite: CIVL 200.

**CIVL 305 Structural Theory**

3 semester hours

Introduction to the International Building Code. Analysis of determinate and indeterminate deformable structures using classical methods and an introduction to computer methods of analysis.

Lecture, 3 hours.

Prerequisite: CIVL 200.

**CIVL 310 Fluid Mechanics I**

3 semester hours

Properties of fluids, fluid statics, kinematics, energy, hydrodynamics, momentum and dynamic forces, steady flow of compressible and incompressible fluids.

Lecture, 3 hours.

Prerequisite: CIVL 250.

**CIVL 311 Fluid Mechanics Lab**

1 semester hour

A companion laboratory of CIVL 310.

Laboratory, 3 hours.

Corequisite: CIVL 310.

**CIVL 320 Introduction to Environmental Engineering**

3 semester hours

Introduction to elements of water treatment, water pollution control,

solid and hazardous waste disposal, and air pollution control. The interrelationships of the movement of pollutants between the land, air, and water media are discussed.

Lecture, 3 hours.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics (Civil Engineering majors only).  
Prerequisites: BIOL 114, CHEM 114 and MATH 123 or MATH 132.

### **CIVL 340 Analytical Methods in Civil Engineering I**

*3 semester hours*

Introduction to probability and statistics with an emphasis on techniques and applications useful in engineering.

Lecture, 3 hours.

Prerequisite: MATH 132.

### **CIVL 395 Engineering Economics and Decision Theory**

*3 semester hours*

The economic evaluation of engineering alternatives. Topics include: time value of money relationships, nominal and effective interest rates, present worth method, annual worth method, rate of return and incremental analysis, depreciation and income taxes, replacement analysis and benefit/cost analysis.

Lecture, 3 hours.

University Core fulfilled: Explorations: Understanding Human Behavior.

Prerequisite: MATH 132.

### **CIVL 400 Fundamentals of Water and Wastewater Treatment**

*3 semester hours*

Fundamentals of water and wastewater treatment systems; water and wastewater characteristics, analysis and design and conventional water treatment systems and physical, chemical, and biological processes for wastewater treatment.

Lecture, 3 hours.

University Core fulfilled: Flag: Oral Skills.

Prerequisites: CIVL 310 and CIVL 320.

### **CIVL 406 Water Resources Planning and Design**

*3 semester hours*

Flood control hydrology including rainfall, unit hydrographs, flood frequency analysis and flood routing. Development of surface and groundwater supplies, reservoir yield and operation, determination of water requirements, analysis of water supply and distribution systems.

Lecture, 3 hours.

University Core fulfilled: Flag: Information Literacy.

Prerequisite: CIVL 310.

### **CIVL 410 Soil Mechanics**

*4 semester hours*

Physical and mechanical properties of soil, consolidation, settlement of structures, shear strength, analysis of earth pressures, bearing capacity, slope stability, flow through porous media, and open-ended design problems.

Lecture, 3 hours; Laboratory, 3 hours.

University Core fulfilled: Flag: Writing.

Prerequisites: CIVL 200 and CIVL 310.

### **CIVL 411 Design of Foundations and Earth Structures**

*3 semester hours*

Design methods for foundations and earth structures. Design of footings and piles including stability and settlement, slopes, and retaining structures.

Lecture, 3 hours.

Prerequisite: CIVL 410.

### **CIVL 415 Reinforced Concrete Design**

*4 semester hours*

Theory and design of reinforced concrete columns, beams, retaining walls, footings and slabs. Application to design projects.

Lecture, 3 hours; Laboratory, 3 hours.

Prerequisite: CIVL 200.

### **CIVL 460 Civil Engineering Design**

*4 semester hours*

An integrated senior design experience which utilizes knowledge from the civil engineering curriculum. In addition to the technical aspects, the designs consider costs, sustainability economics, and environmental factors. Class lectures include discussion of the design process, environmental impact, engineering and professional ethics, the engineering profession, professional practice issues, the role of the engineer in the construction process, and procurement of engineering work. Student project reports and presentations are required.

Lecture, 2 hours; Design Laboratory, 4 hours.

Senior standing required.

University Core fulfilled: Flag: Engaged Learning; Flag: Writing.

Prerequisites: CIVL 210, CIVL 395, CIVL 400, CIVL 406, CIVL 410.

### **CIVL 498 Special Studies**

*1 TO 4 semester hours*

### **CIVL 499 Independent Studies**

*1 TO 4 semester hours*

### **CIVL 503 Engineering Sustainability and LEED**

*3 semester hours*

Introduction to the role of engineers in sustainability with focus on the modern engineer's role on design. Topics include environmental impacts, sustainable construction, recycled water and desalination, renewable energy, and management and conservation techniques. Additionally, the course prepares students in Leadership in Energy and Environmental Design (LEED) with the overall goal for them to receive LEED Green Associate credentials.

Lecture, 3 hours.

Senior standing or permission of instructor required.

### **CIVL 504 Applied Fluid Mechanics**

*3 semester hours*

Fundamentals of fluid mechanics, and review of the underlying mathematical principles, viscosity, fluid statics, conservation of mass, energy equation, momentum principle, fluid flow in pipes, hydraulic machinery.

Open to science majors interested in a Master's degree in Environmental Science.

Lecture, 3 hours.

Requires consent of instructor.

### **CIVL 510 Open Channel Hydraulics**

*3 semester hours*

Study of steady uniform and non-uniform flow in open channels; design of channels, transitions, confluences, culverts, and other hydraulic structures.

Lecture, 3 hours.

Prerequisite: CIVL 310.

### **CIVL 511 Hydraulic Analysis and Design**

*3 semester hours*

Design and analysis of hydraulic structures and pump stations; rainfall-runoff models; determination of reservoir storage; unsteady flow and water hammer; flood routing techniques; sediment transport.

Lecture, 3 hours.

Prerequisite: CIVL 310 or CIVL 504.

**CIVL 512 Air Pollution Analysis**

3 semester hours

Detailed analysis of emission sources, emission calculation methods, and air pollution controls. The dispersion of air pollutants in the atmosphere (fates and lifetimes, dispersion modeling methods). In-depth techniques of conducting risk assessments due to exposure to air pollutants.

Lecture, 3 hours.

**CIVL 513 Solid Wastes Engineering**

3 semester hours

An application of current technology in the collection, control, disposal, and recovery of value from solid wastes.

Lecture, 3 hours.

**CIVL 514 Groundwater Hydrology**

3 semester hours

Theory of the movement and occurrence of water in a porous medium; steady and unsteady flow in confined and unconfined aquifers; Darcy's law; equilibrium and non-equilibrium hydraulics of wells; computer applications.

Lecture, 3 hours.

Prerequisite: CIVL 310 or CIVL 504.

**CIVL 515 Industrial Waste Management**

3 semester hours

Principles and methods of treatment and disposal of industrial wastes that may adversely affect the environment, including general characterization of wastes from industries of major significance and typical treatment processes involved. Regulatory constraints.

Lecture, 3 hours.

Prerequisites: CIVL 400 and ENVS 533.

**CIVL 520 Computers and Environmental Analysis**

3 semester hours

Applications of digital simulations in the analysis of problems in the environment, water quality modeling, numerical methods, statistical analysis, and use of a large scale application program.

**CIVL 531 Principles of Water Quality Management**

3 semester hours

Review of the basic parameters used to describe water quality. Fundamentals of aquatic interaction in natural systems and fate of pollutants in the natural environments. Basic water and wastewater treatment systems.

Prerequisites: Introductory calculus, basic physics, and chemistry.

**CIVL 534 Groundwater Management**

3 semester hours

Management of groundwater basins for optimum yield, quality, and environmental considerations; artificial recharge; methods of exploration; groundwater models; water rights; and conjunctive use of surface and groundwater.

**CIVL 548 Hazardous Substances Management**

3 semester hours

The study of regulation and management strategies for environmental programs (hazardous substances) including hazardous waste, asbestos, underground tanks, air pollution, and the California Environmental Quality Act.

Lecture, 3 hours.

**CIVL 549 Hazardous Waste Remediation**

3 semester hours

This course provides an overview of the regulatory framework, site assessment and sampling techniques, and remediation technologies for hazardous waste sites. Emphasis is placed on cost-effective

remediation technologies, regulatory agency coordination, and new emerging technologies for hazardous waste site clean-up projects.

Lecture, 3 hours.

**CIVL 550 Fundamentals of Environmental Risk Management**

2 semester hours

The fundamental technical aspects and non-technical policy aspects of environmental health risk assessments. Basics of environmental chemistry partitioning fate and transport of pollutants in the atmosphere and water; human exposure scenarios, fundamentals of toxicology and epidemiology.

Lecture, 3 hours.

**CIVL 554 Surface Water Hydrology**

3 semester hours

**CIVL 595 Structural Steel Design**

3 semester hours

Theory and design of steel structures, component members, and connections using codes and specifications. Design projects.

Lecture, 3 hours.

Prerequisite: CIVL 200.

**CIVL 598 Special Studies**

1 TO 4 semester hours

**CIVL 599 Independent Studies**

1 TO 4 semester hours

**CIVL 600 Comprehensive Exam**

0 semester hours

Students must register for this class but only after they have completed all of their course requirements (30 semester hours) or will have completed all of their course requirements at the end of the semester in which they plan to take the comprehensive examination.

**CIVL 602 Membrane Treatment Systems**

3 semester hours

Characteristics, application, and selection of membranes for treatment, including reverse osmosis, microfiltration, ultrafiltration and other technologies. Membrane design, process and operation of surface water, groundwater, seawater, wastewater, recycled water and industrial water.

Lecture, 3 hours.

Prerequisites: ENVS 531 or ENVS 631 and ENVS 633.

**CIVL 603 Engineering Sustainability and LEED**

3 semester hours

Introduction to the role of engineers in sustainability with focus on the modern engineer's role on design. Topics include environmental impacts, sustainable construction, recycled water and desalination, renewable energy, and management and conservation techniques. Additionally, the course prepares students in Leadership in Energy and Environmental Design (LEED) with the overall goal for them to receive LEED Green Associate credentials.

Lecture, 3 hours.

**CIVL 604 Climate Change, Impacts, and Sustainability**

3 semester hours

Overview of Earth's climate system and exploration of the science, impacts, and politics of global climate change. Specific topics include the greenhouse effect; El Niño; atmospheric and oceanic circulations; observations and projections; impacts on water resources and agriculture; politics; alternative energy; sustainability; and mitigation. Special emphasis is placed on California and the western United States.

Lecture, 3 hours.

**CIVL 605 Engineering Communications**

3 semester hours

Written and verbal communication in the engineering profession. Students for whom English is a second language may not enroll in this class until their second year at LMU.

**CIVL 607 Hydraulic Analysis and Design**

3 semester hours

Design and analysis of hydraulic structures and pump stations; rainfall-runoff models; determination of reservoir storage; unsteady flow and water hammer; flood routing techniques; sediment transport.

Lecture, 3 hours.

Prerequisite: CIVL 310 or CIVL 504.

**CIVL 608 Groundwater Hydrology**

3 semester hours

Theory of the movement and occurrence of water in a porous medium; steady and unsteady flow in confined and unconfined aquifers; Darcy's law; equilibrium and non-equilibrium hydraulics of wells; computer applications.

Lecture, 3 hours.

Prerequisite: CIVL 504 or equivalent.

**CIVL 609 Open Channel Hydraulics**

3 semester hours

Study of steady uniform and non-uniform flow in open channels; design of channels, transitions, confluences, culverts, and other hydraulic structures.

Lecture, 3 hours.

Prerequisite: CIVL 504 or equivalent.

**CIVL 610 Water and Wastewater Treatment Systems Design**

3 semester hours

Integration of unit processes and operations and functional engineering design of water treatment systems.

Prerequisite: CIVL 640.

**CIVL 612 Air Pollution Analysis**

3 semester hours

Detailed analysis of emission sources, emission calculation methods, and air pollution controls. The dispersion of air pollutants in the atmosphere (fates and lifetimes, dispersion modeling methods). In-depth techniques of conducting risk assessments due to exposure to air pollutants.

**CIVL 613 Solid Wastes Engineering**

3 semester hours

An application of current technology in the collection, control, disposal, and recovery of value from solid wastes.

Lecture, 3 hours.

**CIVL 614 Industrial Waste Management**

3 semester hours

Principles and methods of treatment and disposal of industrial wastes that may adversely affect the environment, including general characterization of wastes from industries of major significance and typical treatment processes involved. Regulatory constraints.

Prerequisites: ENVS 631 and ENVS 633.

**CIVL 615 Theory and Design of Waste Outfall Systems**

2 semester hours

The theory of turbulent mixing as applied to the design of submarine waste and thermal outfall systems; a review of the regulations and their impact on the design of outfall systems.

Prerequisites: CIVL 504 or equivalent; ENVS 631 and ENVS 633.

**CIVL 620 Computer and Environmental Analysis**

3 semester hours

Applications of digital simulations in the analysis of problems in the environment, water quality modeling, numerical methods, statistical analysis, and use of a large scale application program.

**CIVL 634 Groundwater Management**

3 semester hours

Management of groundwater basins for optimum yield, quality, and environmental considerations; artificial recharge; methods of exploration; groundwater models; water rights; and conjunctive use of surface and groundwater.

**CIVL 635 Contaminant Transport Groundwater**

3 semester hours

Processes affecting the transport and fate of inorganic and organic contaminants in groundwater. Emphasis is placed on processes involving phase equilibrium, mass transfer, dissolution, etc. Review of flow and contaminant transport models, remediation technologies, and practical/regulatory considerations.

Prerequisites: CIVL 514, ENVS 631, and ENVS 633.

**CIVL 640 Physical and Chemistry Treatment Processes**

3 semester hours

Theory and practice of the physical and chemical treatment processes to treat water and wastewater including flow equalization, preliminary treatment, grit removal, primary sedimentation, filtration, floatation, adsorption, ion exchange and membrane separation, air stripping, precipitation, chemical oxidation and disinfection.

Prerequisites: CIVL 310 or CIVL 504 or equivalent; ENVS 631 and ENVS 633.

**CIVL 641 Biological Treatment Processes**

3 semester hours

Theory and practice of biological treatment of wastewater and wastewater residuals including activated sludge, biotower and fixed film systems, oxygen transfer, secondary clarification, nutrient removal, aerobic and anaerobic digestion, composting, oxidation ponds, and wetlands.

Prerequisites: CIVL 310 or CIVL 504 or equivalent; ENVS 631, ENVS 633, and ENVS 644.

**CIVL 648 Hazardous Substance Management**

3 semester hours

The study of regulation and management strategies for environmental programs (hazardous substances) including hazardous waste, asbestos, underground tanks, air pollution, and the California Environment Quality Act.

**CIVL 649 Contaminated Site Remediation**

3 semester hours

An overview of the regulatory framework, site assessment and sampling techniques, and remediation technologies for contaminated sites. Emphasis is placed on cost-effective remediation technologies, regulatory agency coordination, and new and emerging technologies for site clean-up projects.

**CIVL 650 Fundamentals of Environmental Health Risk Assessment**

3 semester hours

The fundamental technical aspects and non-technical policy aspects of environmental health risk assessments. Basics of environmental chemistry; partitioning, fate and transport of pollutants in the atmosphere and water; human exposure scenarios, fundamentals of toxicology and epidemiology.

**CIVL 654 Surface Water Hydrology**

3 semester hours

Study of the elements of the hydrologic cycle, rainfall, streamflow,

infiltration, evapotranspiration, snowmelt, hydrographs, probability, river and reservoir routing, runoff determination using the rational method and hydrograph methods.

**CIVL 656 Water Resources Systems Modeling**

*3 semester hours*

Analyze and implement current simulation models in water resources. Topics may include: hydrologic and watershed models; reservoir operation models; surface water and groundwater quality models; computer applications.  
Permission of instructor required.

**CIVL 665 Economics of Water Resources**

*3 semester hours*

Fundamentals of microeconomics; analysis of demand; production; theory of costs; welfare economics; benefit-cost analysis; applications in water resources management and environmental engineering.

**CIVL 670 Contracts and Specifications**

*3 semester hours*

Discussion of the design and construction process, contract documents and specifications, contract changes, claims and disputes, property issues, selection of the design professional and professional service contracts.

**CIVL 695 Master Thesis**

*3 semester hours*

**CIVL 698 Special Studies**

*1 TO 4 semester hours*

**CIVL 699 Independent Studies**

*1 TO 4 semester hours*

**Classics and Archaeology (CLAR)**

**CLAR 1110 Elementary Greek I**

*4 semester hours*

A basic introduction to Greek grammar and syntax, including noun declension and verb conjugation; translation of simple prose passages.

**CLAR 1111 Greek and Latin for Medicine I**

*1 semester hour*

A study of medical terminology derived from Greek and Latin roots.

**CLAR 1112 Greek and Latin for Medicine II**

*1 semester hour*

Further study of medical terminology derived from Greek and Latin roots.

Prerequisite: CLAR 1111.

**CLAR 1115 Elementary Latin I**

*4 semester hours*

A complete overview of Latin grammar, with an emphasis on morphology and syntax.

University Core fulfilled: Flag: Oral Skills.

**CLAR 1120 Elementary Greek II**

*4 semester hours*

A continuation of the grammar and syntax of CLAR 1110, with a focus on more complex sentences; translation of more elaborate prose and poetry passages.

Prerequisite: CLAR 1110 or equivalent.

**CLAR 1125 Elementary Latin II**

*4 semester hours*

A continuation of Latin grammar from CLAR 1115; translation of prose passages adapted from Classical authors.

Prerequisite: CLAR 1115 or equivalent.

**CLAR 1130 Biblical Hebrew**

*4 semester hours*

This is a one-semester "crash course" intended to enable the student to acquire the basics of Biblical Hebrew adequate to understand references in scholarly literature and to begin to read simpler Biblical texts with the use of a dictionary.

**CLAR 1135 Readings in Classical Hebrew**

*4 semester hours*

Selected readings in both prose and poetry.

Prerequisite: CLAR 1130 or equivalent.

**CLAR 1998 Special Studies**

*1 TO 4 semester hours*

**CLAR 1999 Independent Studies**

*1 TO 4 semester hours*

**CLAR 2200 Epic Poetry**

*4 semester hours*

A reading and analysis of Homer's *Iliad* and *Odyssey*, and Vergil's *Aeneid* (in translation).

**CLAR 2210 Greek Tragedy in Performance**

*4 semester hours*

A study of the plays of Aeschylus, Sophocles, and Euripides (in translation), with an emphasis on production.

University Core fulfilled: Explorations: Creative Experience: Flags: Oral Skills, Writing.

**CLAR 2220 Greek Comedy in Performance**

*4 semester hours*

A study of the plays of Aristophanes and Menander (in translation), with an emphasis on production.

**CLAR 2230 Ancient Historians**

*4 semester hours*

A study of the great historians from ancient Greece, Rome, and China (in translation), with an emphasis on ancient historiographical traditions.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**CLAR 2240 Ancient Greece**

*4 semester hours*

A survey of Hellenic civilization from its origins in the Bronze Age until the Hellenistic period, encompassing the study of archaeology, history, literature, religion, philosophy, and the fine arts.

University Core fulfilled: Flags: Engaged Learning, Information Literacy.

**CLAR 2250 Ancient Rome**

*4 semester hours*

A survey of Roman civilization from its origins in the Iron Age to the collapse of the empire, encompassing the study of archaeology, history, literature, religion, philosophy, and the fine arts.

**CLAR 2340 Archaeological Methods and Techniques**

*4 semester hours*

Modern archaeological methodology, theory, and interpretation.

University Core fulfilled: Explorations: Understanding Human Behavior; Flag: Information Literacy.

**CLAR 2350 Egyptian Hieroglyphics**

4 semester hours

A study of the Middle Egyptian language, its literature, and the hieroglyphic writing system.

**CLAR 2355 Introduction to Near Eastern Languages**

4 semester hours

A survey of the major ancient languages of the Near East: Hebrew, Classical Arabic, Babylonian, Egyptian, and others, with short texts in those languages.

University Core fulfilled: Flag: Information Literacy.

**CLAR 2360 Ancient Near East**

4 semester hours

Study of the Near Eastern background of classical civilizations from the Neolithic to Alexander the Great.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

**CLAR 2365 Introduction to Near Eastern Literatures**

4 semester hours

A survey of the major literary output of ancient Egypt, Babylonia, Ugarit, and other ancient Levantine cultures (in translation).

University Core fulfilled: Flag: Information Literacy.

**CLAR 2998 Special Studies**

1 TO 4 semester hours

**CLAR 2999 Independent Studies**

1 TO 4 semester hours

**CLAR 3110 Greek Poetry**

4 semester hours

A reading and analysis of selected Ancient Greek epic, lyric, and dramatic texts in the original.

Prerequisite: CLAR 1120 or equivalent.

This course may be repeated for credit.

**CLAR 3115 Latin Poetry**

4 semester hours

A reading and analysis of selected Latin epic, lyric, dramatic, and satiric texts in the original.

Prerequisite: CLAR 1125 or equivalent.

This course may be repeated for credit.

**CLAR 3120 Greek Prose**

4 semester hours

A reading and analysis of selected Ancient Greek historical, rhetorical, philosophical, and religious texts in the original.

Prerequisite: CLAR 1120 or equivalent.

This course may be repeated for credit.

**CLAR 3125 Latin Prose**

4 semester hours

A reading and analysis of selected Latin historical, rhetorical, philosophical, epistolary, and religious texts in the original.

Prerequisite: CLAR 1125 or equivalent.

This course may be repeated for credit.

**CLAR 3130 Biblical Hebrew**

4 semester hours

A concentrated course in Hebrew, with attention paid to its historical development and to comparative phonetics and morphology.

**CLAR 3210 Classical and Near Eastern Myths**

4 semester hours

Study of the basic myths and myth patterns of the Greeks, Romans,

and Near Eastern cultures, and their mythological heritage in Western literature and art.

**CLAR 3220 Greek and Roman Religions**

4 semester hours

Study of the religious practices and beliefs of the Greeks and Romans from the archaic period to the triumph of Christianity.

**CLAR 3230 Arts of Greece**

3 semester hours

A survey of the significant monuments of art and architecture of ancient Greece, from the Bronze Age to the Hellenistic Period, with an emphasis on form and function in their historical context.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**CLAR 3240 Arts of Rome**

3 semester hours

A survey of the significant monuments of art and architecture of ancient Rome, from the Etruscan period to the Age of Constantine, with an emphasis on form and function in the cultural context.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**CLAR 3330 Introduction to Near Eastern Religions**

4 semester hours

A study of the religions, rituals, and pantheons of ancient Near Eastern societies.

University Core fulfilled: Flag: Information Literacy.

**CLAR 3340 Religions of Mesopotamia**

4 semester hours

A study of the major religious pantheons, rituals, myths, and popular practices in ancient Iraq.

**CLAR 3345 Babylonian Cuneiform**

4 semester hours

An introduction to the language and writing system of Ancient Mesopotamia.

**CLAR 3350 Ancient Egyptian Religion**

4 semester hours

A survey of origins and aspects of the various pantheons, rituals, creation themes, and other features of the religion of the Egyptian Middle Kingdom.

**CLAR 3360 Aegean Art and Archaeology**

4 semester hours

A study of the art and archaeology of the pre-classical Aegean world, from the Neolithic to the end of the Bronze Age.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

**CLAR 3370 Egyptian Art and Archaeology**

4 semester hours

A study of Egyptian art and archaeology from the Neolithic to the Roman period.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

**CLAR 3380 Classical Numismatics**

4 semester hours

Hands-on study of the coinages of ancient Greece, Rome, and the Eastern Mediterranean, with emphasis on archaeology, art history, and monetary origins. Students will use the large collections and library of the Archaeology Center.

University Core fulfilled: Flag: Information Literacy.

**CLAR 3390 Archaeology of the Levant**

*4 semester hours*

Study of the Levantine civilizations and societies from the Neolithic period to the mid-first millennium BC, with hands-on classes utilizing artifacts from LMU's archaeological collection.

**CLAR 3998 Special Studies**

*1 TO 4 semester hours*

**CLAR 3999 Independent Studies**

*1 TO 4 semester hours*

**CLAR 4210 Axial Age**

*4 semester hours*

A study of the philosophy and culture of Eurasia from the 8th to the 4th centuries BCE, with special emphasis on the great teachers of the age from China, India, Persia, Israel, and Greece.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Information Literacy, Writing.

**CLAR 4220 Classical Hellenism, Race, Ethnicity**

*4 semester hours*

An interdisciplinary study of Greek ethnicity, and the legacy of Greek culture for the ancient and modern Greeks in the homeland and the diaspora, as well as for the ancient Romans and modern Europeans.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Writing, Oral Skills.

**CLAR 4230 Ancient World on Film**

*4 semester hours*

A study of the uses of Greco-Roman myth and history in cinema. The course introduces students to the comparative study of literature and film across different cultures, languages, and genres.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**CLAR 4240 Greek Cinema**

*4 semester hours*

A study of some of the greatest Greek films in their modern political and social setting, with an emphasis on contemporary cultural identity and its roots in the western tradition.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Oral Skills, Writing.

**CLAR 4250 Anne Carson: Classic Iconoclast**

*4 semester hours*

An interdisciplinary study of the works of Anne Carson and her interaction with the Classical tradition.

**CLAR 4270 Representations of Greece: Ancient and Modern**

*4 semester hours*

This interdisciplinary 4-semester-hour course offers students the unique opportunity to study complex issues surrounding representations of Greece from the classical to the modern world through an interdisciplinary approach that will highlight four areas of study: politics and economics; food and travel; theater and film; family, religion, and state.

**CLAR 4320 Palaces of the Near East**

*4 semester hours*

A study of the palaces across the Ancient Near East as architectural and political emblems of powers, from the first urban development to the conquest of Alexander the Great.

**CLAR 4330 Cultures in Contact: Late Bronze Age**

*4 semester hours*

A study of the interconnections of the Ancient Mediterranean and

Near Eastern civilizations, through trade, diplomacy, war, and technological transfers.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**CLAR 4340 Archaeology of the Phoenicians**

*4 semester hours*

A study of the Phoenicians and of their settlements and customs in the Ancient Mediterranean.

**CLAR 4350 Archaeology and the Bible**

*4 semester hours*

Study of selections of the Bible, combining historical criticism and exegesis with the relevant archaeology.

University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

**CLAR 4355 Babylonian and Egyptian Medicine**

*4 semester hours*

An interdisciplinary course intended both for science students who will examine ancient medicine from a modern perspective and for classics and archaeology students who study the trajectories of ancient scientific endeavors.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**CLAR 4360 From Greece to Gotham: Archaeology of the Heroes**

*3 semester hours*

An examination of how societies define and portray heroes in art and literature, beginning in the ancient Greek world and continuing through the modern era, and how heroes promote cultural values and mores.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

**CLAR 4370 Archaeology Lab**

*4 semester hours*

Special projects using the archaeological collections of the Archaeology Center and its library.

University Core fulfilled: Flag: Information Literacy.

**CLAR 4371 Archaeology Lab: Ancient Textiles: From Fiber Production to Social Identity**

*4 semester hours*

Special projects in the study of the techniques and materials used in ancient textile production in Egypt and the Ancient Near East, employing materials from LMU's Archaeological Center collections.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Information Literacy, Writing.

**CLAR 4372 Archaeology Lab: Chalcolithic Culture of the Levant**

*4 semester hours*

A hands-on study of the artifacts and archaeological context of the pre-Bronze Age cultures of the Levant, using materials from the Archaeology Center collections.

**CLAR 4380 Archaeology Field Experience**

*1 TO 4 semester hours*

Active participation, usually of three-weeks duration, in an archaeological excavation or survey at selected Near Eastern, Classical, or New World sites.

University Core fulfilled: Flag: Engaged Learning.

**CLAR 4410 Capstone Research Skills**

*1 semester hour*

This course goes with any of the 4-semester-hour capstone courses and focuses on research skills and methodology for writing the capstone research project.

### **CLAR 4420 Capstone Presentation**

*1 semester hour*

This course is typically taken in the final semester of the program and culminates in the presentation of a research paper for the Spring BCLA and/or Classics & Archaeology Undergraduate Research Symposiums.

### **CLAR 4440 Classics/Archaeology Internship**

*0 TO 4 semester hours*

Internship related to working on supervised projects that involve the study of Classics and/or Archaeology (at the Getty Villa, learning to catalog artifacts in curated collections, the reception history of Hellenism in film, et al.).

### **CLAR 4450 Research Skills**

*1 semester hour*

This one-semester-hour course is to be taken in tandem with the Capstone Seminar for CLAR majors.

### **CLAR 4998 Special Studies**

*1 TO 4 semester hours*

### **CLAR 4999 Independent Studies**

*1 TO 4 semester hours*

## **Computer Science (CMSI)**

### **CMSI 161 Computing in Popular Culture**

*3 semester hours*

Common stereotypes and assumptions about computing, as reflected in art, entertainment, and conventional wisdom-and the truths and fallacies behind them. Deeper study of particularly seminal popular representations of computing concepts. Critical study of the depiction of computing in film (e.g., *2001: A Space Odyssey*, *The Matrix*, *War Games*), literature (e.g., *Neuromancer*; *I, Robot*, *The Soul of a New Machine*; *The Hitchhiker's Guide to the Galaxy*), and mixed media (e.g., "Spock's Brain," *Max Headroom*, and Univac's 1952 presidential election forecast).  
Lecture, 3 hours.

### **CMSI 182 Introduction to Computer Science**

*3 semester hours*

History of computer science and its relationship to other fields. The benefits of computational thinking in daily life. Numerous examples connecting computing and computing technology to human activities, such as sporting events, elections, politics, and health care. Coursework includes writing small-scale computer programs.  
Lecture, 3 hours.

### **CMSI 185 Computer Programming**

*3 semester hours*

Introduction to algorithms and computer programming using Java, JavaScript, or Python.  
Lecture, 3 hours.

### **CMSI 186 Programming Lab**

*3 semester hours*

Apprenticeship-styled workshop in Java or JavaScript programming, loosely structured around the notion of algorithm paradigms, treating one medium-sized application every two weeks in a laboratory setting. Typical projects include discrete simulation, randomized estimation, maze solving, dynamic programming, large-number arithmetic, and numerical methods.

For majors and minors only.

Prerequisite: A grade of C (2.0) or better in CMSI 185 or consent of instructor.

### **CMSI 261 Language, Thought, and Computation**

*3 semester hours*

A study of the philosophical and epistemological roots of computer science, covering language, thought, logic, cognition, computation, the Church-Turing thesis, computer programming, and artificial intelligence. Mathematical models of knowledge, learning, consciousness, and self-awareness. Structural and statistical foundations of human language. Holism, reductionism, Zen, and dualism.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **CMSI 264 Cryptography through the Ages**

*3 semester hours*

Descriptions of mathematical systems that have been used for enciphering and deciphering information and a study of the context in which these systems arose.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **CMSI 266 Electronic Markets**

*3 semester hours*

Study of the convergence of markets, fair division, and dispute resolution with modern information technologies. Topics include: utility theory; formal definitions for fairness; algorithms for proportional, strong, and envy-free division; complexity of cake-cutting algorithms; unequal shares; indivisible goods; impossibility theorems; auctions and elections; electronic markets vs. electronic commerce; parimutuel wagering and modern wagering websites; efficient market hypothesis; introduction to price theory; prediction markets and IEM (Iowa Electronic Markets); securities exchanges and NASDAQ; online auction markets and eBay; architecture and implementation; scalability and security; legal issues; future directions.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **CMSI 281 Data Structures**

*3 semester hours*

Introduction to data types, information structures, and algorithms. Topics include: collection classes and interfaces for sets, lists, stacks, queues, and dictionaries; implementation techniques such as arrays, linked lists, and efficient tree structures; introduction to computational complexity; elementary sorting; hashing.

Lecture, 3 hours.

Prerequisite: A grade of C (2.0) or better in CMSI 185.

### **CMSI 282 Algorithms**

*3 semester hours*

Algorithm paradigms, with an emphasis on combinatorial search. Topics include: generating combinatorial objects; greedy methods, dynamic programming; randomized algorithms; modern heuristics such as genetic programs and simulated annealing; advanced sorts and order statistics; cake-cutting and fair division; graph algorithms; computational geometry.

Lecture, 3 hours.

Prerequisite: CMSI 281.

### **CMSI 284 Computer Systems Organization**

*3 semester hours*

An introduction to the basic organization of computer systems. Digital representation of textual and numeric information. Machine instructions and instruction formats, assemblers and assembly languages, linking and loading, process execution, interrupt and device-handling, and file management. System-level programming in C and assembly language.

Lecture, 3 hours.

**CMSI 298 Special Studies**

*1 TO 3 semester hours*

**CMSI 299 Independent Studies**

*1 TO 3 semester hours*

**CMSI 332 Programming 3-D Animation Tools**

*3 semester hours*

Building technical skills for animators: how to automate animated graphics, write tools and customize user interfaces using Python scripting.

**CMSI 355 Networks**

*3 semester hours*

A detailed study of the design and use of internetworking technologies in modern digital communication systems. Topics include: routing and control protocols, signaling, multicasting, OSI model, sockets, IPv4, IPv6, UDP, TCP, ARP, ICMP, IGMP, Mobile IP, DNS SMTP, FTP, VoIP, and HTTP.

Lecture, 3 hours.

Prerequisite: CMSI 284.

**CMSI 367 Biological Databases**

*3 semester hours*

The representation, storage, and transformation of biological data. Topics include the central dogma of molecular biology, the genetic code, the Human Genome Project, sequence databases, formats and conversion, searching and regular expressions, XML, and relational databases in biology. Students build and potentially release an open source gene database for a new species at the end of the course.

Lecture, 3 hours.

**CMSI 370 Interaction Design**

*3 semester hours*

Introduction to interaction design and human-computer interaction, with equal emphasis on learning how to design and evaluate interaction architectures, and learning how to use existing frameworks to implement such architectures. Topics include: interaction guidelines, principles, and theories; usability engineering; the model-view-controller (MVC) paradigm; and current frameworks such as HTML5, GLUT, and Cocoa.

Lecture, 3 hours.

Prerequisite: CMSI 281.

**CMSI 371 Computer Graphics**

*3 semester hours*

Introduction to interactive computer graphics. Topics include the design and use of three-dimensional graphics engines and APIs, animation, physics and computer games, modeling, computational geometry, shading, ray tracing, and fractal geometry.

Lecture, 3 hours.

Prerequisite: CMSI 281.

**CMSI 375 Game Design**

*3 semester hours*

The art and science of games, hosted by a machine or otherwise. Goals, rules, game balance, and other fundamentals are introduced, as well as implementation issues such as modeling, physics, animation, networking, and performance. Coverage of existing gaming platforms and languages is provided as needed. Concepts are applied in an appropriately scaled, team-implemented game project.

Lecture, 3 hours.

**CMSI 377 Introduction to Virtual Worlds**

*3 semester hours*

An introduction to the history of, and the technological and social aspects surrounding, virtual worlds. Topics include building and scripting objects, and the interaction between avatars, avatar customization, and computer science concepts underlying virtual worlds.

Lecture, 3 hours.

**CMSI 385 Introduction to Theory of Computation**

*3 semester hours*

Introduction to the formal theory of computation. Topics include: finite automata and regular sets; context-free grammars and pushdown automata; Turing machines and computability; intractability.

Lecture, 3 hours.

Prerequisites: CMSI 281 and MATH 248.

**CMSI 386 Programming Languages**

*3 semester hours*

A comparative study of the rationale, concepts, design, and features of several major programming languages. Topics include the role of bindings, control flow, types, subroutines, modules, objects, and concurrency. Major attention is given to C, Java, ML, Perl, and JavaScript.

Lecture, 3 hours.

Prerequisite: CMSI 284.

**CMSI 387 Operating Systems**

*3 semester hours*

Concepts in the design of operating systems, including: processes, process management, mutual exclusion, synchronization and message-passing; primary memory management, multiprogramming, paged allocation and paging policies; resource and I/O management; file systems, and security.

Lecture, 3 hours.

Prerequisite: CMSI 284.

**CMSI 390 Internship or Practicum**

*1 TO 2 semester hours*

Credit awarded for 1) preparing supporting documentation for actual internships taken, or 2) participating in an individual or group directed research project resulting in a project or paper that is presented at a conference or University-sanctioned event. May be repeated for credit.

**CMSI 398 Special Studies**

*1 TO 3 semester hours*

**CMSI 399 Independent Studies**

*1 TO 3 semester hours*

**CMSI 401 Software Engineering Lab**

*3 semester hours*

Design and implementation of large programs in a group setting, including use of the Unified Modeling Language (UML) for specifying, visualizing, and documenting models.

Lecture and Laboratory, 3 hours.

Consent of instructor required.

**CMSI 402 Senior Project Lab**

*4 semester hours*

Analysis, design, implementation, and presentation of a large-scale, individual project, demonstrating mastery of the computer science curriculum.

Lecture and Laboratory, 4 hours.

Consent of instructor required.

**CMSI 475 Computational Complexity**

*3 semester hours*

Introduction to the study of computational complexity, including efficient algorithms for matrix multiplication and fast Fourier transforms, the classes P and NP, approximation algorithms, randomized algorithms and RP, parallel algorithms and NC. Lecture, 3 hours.

Prerequisites: CMSI 282 and CMSI 385.

### **CMSI 485 Artificial Intelligence**

*3 semester hours*

Introduction to the fundamental concepts needed to attain human-level intelligence in computer systems. Topics include agent architectures, problem-solving methods, heuristic search, game playing, knowledge representation, symbolic reasoning, computational models of virtual humans, and machine learning. Lecture, 3 hours.

Prerequisites: CMSI 385 and CMSI 386.

### **CMSI 486 Introduction to Database Systems**

*3 semester hours*

Theory and design of database systems, with emphasis on relational and object-oriented models. Topics include database system structure, semantic data modeling, relational databases, object oriented extensions, formal query languages, integrity and security, physical design of databases, indexing and hashing, and query processing and optimization. Transaction processing, concurrency, and crash recovery are introduced.

Lecture, 3 hours.

Prerequisite: CMSI 386.

### **CMSI 488 Language Translation and Implementation**

*4 semester hours*

Introduction to the theory and design of translators and interpreters for high-level computer programming languages. Topics include programming language specification, scanner construction, parser construction, intermediate representations, virtual machines, code generation, and optimization. Comparisons between computer and natural language translations are also covered.

Lecture, 3 hours.

Prerequisites: CMSI 385 and CMSI 386.

### **CMSI 498 Special Studies**

*1 TO 4 semester hours*

### **CMSI 499 Independent Studies**

*1 TO 4 semester hours*

### **CMSI 586 Database Design and Database Systems I**

*3 semester hours*

Fundamentals concepts in the field of database technology. Topics include hierarchical, network, object, object-relational, relational, and XML models; database system structure; semantic data modeling; relational database systems; relational query languages; practical database design methodology; mapping of DB tables to UML class diagrams; DB requirements analysis and traceability; introduction to functional dependencies and normalization through 3NF.

Course is designed to meet the needs of Systems Engineering students.

Not available for credit to students who have completed CMSI 486.

### **CMSI 598 Special Studies**

*1 TO 4 semester hours*

Special Studies

### **CMSI 599 Independent Studies**

*1 TO 4 semester hours*

### **CMSI 601 Graduate Seminar**

*3 semester hours*

Project-based seminar in which students will be required to select, research, write about, and discuss some aspect of a broad area of current interest to computer scientists and electrical engineers (e.g., computer networks, digital communication).

Successful completion of coursework and the endorsement of the faculty advisor required. (The seminar can be taken during the final semester of coursework subject to the approval of the faculty advisor.)

Note: Students unable to complete the CMSI 601 project within one semester may request an "in process" grade and complete the project the subsequent term. Students wishing to change their project after the first semester of enrollment in CMSI 601 will need to re-enroll in the course. Students who are unable to complete the CMSI 601 project after two semesters can petition for a continuation of the "in process" grade. If the petition is not granted, re-enrollment in CMSI 601 will be necessary.

### **CMSI 641 Software Engineering**

*3 semester hours*

Design and development issues of large-scale software systems which are reliable and easily maintainable. Course project covers each step of the development process from the initial needs analysis and requirement specification through design and implementation. Topics include tradeoffs between agile and traditional approaches, impact of legacy systems, architectural representation issues, testing, project risk management, and emerging trends in software engineering such as model-driven engineering and aspect-oriented software development.

Lecture, 3 hours.

### **CMSI 644 Advanced Modeling of Software Systems**

*3 semester hours*

Study of model-driven engineering and its ability to alleviate platform complexity and effectively express domain concepts. Topics include techniques for designing, implementing, and maintaining robust software systems; the Unified Modeling Language (UML) and entity relationship modeling (ERD); automation of change evolution in models; and definition of standards that enable tools and models to work together.

Lecture, 3 hours.

### **CMSI 670 Topics in Interaction Design**

*3 semester hours*

Interaction design and human-computer interaction, with equal emphasis on learning how to design and evaluate interaction architectures and learning how to survey and analyze current literature on the subject to implement such architectures. Topics include: interaction guidelines, principles, and theories; usability engineering; the model-view-controller (MVC) paradigm; and current research in the field.

Lecture, 3 hours.

### **CMSI 677 Artificial Intelligence**

*3 semester hours*

Study of the fundamental concepts needed to attain human-level intelligence in computer systems. Topics include: agent architectures, problem-solving methods, heuristic search, game playing, knowledge representation frames, inheritance and common-sense reasoning, neural networks, genetic algorithms, conceptual clustering, and current research in the field.

Lecture, 3 hours.

Prerequisites: CMSI 385 and CMSI 386 or consent of the instructor.

### **CMSI 678 Multi-agent Systems and Distributed Artificial Intelligence**

*3 semester hours*

Study of the development of multi-agent systems for distributed

artificial intelligence. Topics include intelligent agents, multi-agent systems, agent societies, problem solving, search, decision-making, and learning algorithms in the distributed Artificial domain, industrial and practical applications of distributed artificial intelligence techniques to real-world problems.

Lecture, 3 hours.

### **CMSI 682 Knowledge-Based Systems**

*3 semester hours*

Detailed study of design and implementation of knowledge-based systems. Topics include: logic and theorem proving; deduction systems; reaction systems; forward and backward chaining; knowledge acquisition; and explanatory interfaces.

Lecture, 3 hours.

### **CMSI 686 Database Design and Database Systems II**

*3 semester hours*

Advanced concepts in the field of database technology. Course begins with a review of database system structure, semantic data modeling, relational databases, and object-oriented extensions. Additional topics include relational algebra and formal query languages; integrity, functional dependencies, normalization, security, physical design of databases, indexing and hashing, query processing and optimization, transaction processing, concurrency, crash recovery, and current research in the field.

Lecture, 3 hours.

Prerequisite: CMSI 486 or CMSI 586, or consent of the instructor.

### **CMSI 689 Computer Networks**

*3 semester hours*

Concepts in and design of large-scale distributed networks and local area networks, including topologies, standards and protocols. (See ELEC 687.)

### **CMSI 698 Special Studies**

*1 TO 3 semester hours*

### **CMSI 699 Independent Studies**

*0 TO 3 semester hours*

## **Communication Studies (CMST)**

### **CMST 1600 Nature of Theory**

*4 semester hours*

This course introduces students to the field of communication studies. Students will study the field's disciplinary history, the nature of theory, and foundational concepts from multiple subfields within the discipline.

Must be completed with a grade of C (2.0) or better.

Majors only.

### **CMST 1700 Nature of Inquiry**

*4 semester hours*

This course overviews the research process, with an emphasis on the foundational skills necessary to conduct original research, including: generating research questions; developing scholarly arguments; locating, retrieving, and evaluating sources; and actual data collection methods. Students will also be introduced to basic aspects of writing for the discipline, as well as expectations for scholarly ethics and proper citation of sources.

Must be completed with a grade of C (2.0) or better.

Majors only.

Prerequisite: CMST 1600.

### **CMST 2100 Relational Communication**

*4 semester hours*

This course is designed to introduce the students to interpersonal and small group communication theories, processes, and skills. The

course challenges students to examine their own communication behaviors and focus on their strengths and weaknesses as a way to develop and apply new communication skills and proficiencies. The course includes a variety of oral and written presentations at both the individual and group levels.

Must be completed with a grade of C (2.0) or better.

Majors only.

Prerequisites: CMST 1600 and CMST 1700.

University Core fulfilled: Flag: Quantitative Reasoning.

### **CMST 2200 Intercultural Communication**

*4 semester hours*

A study of the principles and theories of human communications related to cross-cultural encounters. This course emphasizes understanding the relationship between persons and culture and for improving communication between persons from different cultural backgrounds.

Must be completed with a grade of C (2.0) or better.

Majors only.

Prerequisites: CMST 1600 and CMST 1700.

### **CMST 2300 Organizational Communication**

*4 semester hours*

This course is designed to introduce the students to the field of organizational communication and the relationship between organization and communication. The course is designed to allow students to examine a range of organizational communication perspectives, theories, issues, and constructs. At the same time, students are encouraged to explore the ways these perspectives shape, expand, and limit our understanding of communication and organizing. Significantly, the course encourages critical and analytical thinking by using the course content as a basis for critique.

Must be completed with a grade of C (2.0) or better.

Majors only.

Prerequisites: CMST 1600 and CMST 1700.

University Core fulfilled: Flag: Quantitative Reasoning.

### **CMST 2400 Contemporary Rhetorical Theory**

*4 semester hours*

This course provides a survey of major rhetorical themes and theories, including classical, symbolic, argumentation, critical, feminist, and non-Western approaches to rhetoric. Students will explore the relationship between rhetorical theory and practice, the contributions of rhetorical theory to the social world, and the potential for rhetorical studies to inform issues of democratic governance, marginalized groups, social justice, and technology in society.

Must be completed with a grade of C (2.0) or better.

Majors only.

Prerequisites: CMST 1600 and CMST 1700.

### **CMST 2500 Media Studies**

*4 semester hours*

This course introduces students to three key areas in the field of media and communication: 1) media industries, circulation and the political economy of media; 2) the legacy of British Cultural Studies in exploring identity, resistance, and the active audience; 3) media effects, including quantitative audience reception studies and ethnographic approaches to audience analysis. Students will be encouraged to directly engage with the political, social, cultural, and economic influence of evolving technologies and mediums in our digitally mediated global environments.

Must be completed with a grade of C (2.0) or better.

Majors only.

Prerequisites: CMST 1600 and CMST 1700.

University Core fulfilled: Flag: Quantitative Reasoning.

**CMST 2800 Advanced Public Communication**

4 semester hours

This course provides advanced training in argumentation skills, including logical reasoning, the use of evidence, and effective organization of content. Students will conduct topical research and prepare oral and written arguments.

Must be completed with a grade of C (2.0) or better.

Majors only.

Prerequisites: CMST 1600 and CMST 1700.

University Core fulfilled: Flags: Information Literacy, Oral Skills.

**CMST 2998 Special Studies**

1 TO 4 semester hours

**CMST 2999 Independent Studies**

1 TO 4 semester hours

**CMST 3110 Gender Communication**

4 semester hours

This course provides an examination of the communication styles of males and females in a variety of settings. Course surveys gender similarities and differences in verbal and nonverbal communication with an emphasis on how males and females perceive the world and how these perceptions affect the human communication process.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

**CMST 3120 Family Communication**

4 semester hours

This course examines aspects of interpersonal and relational communication within the context of the family system. Topics including family identity and the creation of shared family meanings, family intimacy, family roles, family power dynamics, managing family conflict and family stress, and intergenerational family relationships are investigated through the lens of the family communication system.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

**CMST 3130 ProSocial Communication**

4 semester hours

This course will identify pro-social behavior and communication, contrast it with anti-social norms, and focus on the values inherent in the caring, sharing, and ways of building relationships and communities with an emphasis on the possibilities for both individual and collective growth and well-being. Emphasis will be on the understanding of both individual and group behaviors that promote effective and cooperative pro-social communication.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

**CMST 3140 Spiritualism and Loving Relationships**

4 semester hours

In this course, students will learn the complicated dimensions of communication in loving relationships from a spiritual perspective. Exploring the nature of communication in any kind of loving relationship from a spiritual perspective, whether with parents and children, between siblings, or between romantic partners, will help bring about spiritual enrichment and transformation in our relationships with our family, friends, and lovers. The aim of this course is to explore ways to become better communicators by being grounded in spiritualism.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

**CMST 3150 Persuasion**

4 semester hours

This course will provide an overview of basic social-scientific theories of persuasion. Then, the course examines how these social-scientific approaches differ from and complement other approaches to understanding the practice of persuasion.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

University Core fulfilled: Flags: Engaged Learning, Oral Skills.

**CMST 3160 Performance Culture and Sexualities**

4 semester hours

This course will examine the many ways in which performance exists and operates in our culture with a focus on personal narrative, ethnographic fieldwork and literature. In addition, there will be a focus on deconstructing sex, gender, and sexuality as rich sites of theoretical interpretation and performative interaction.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

**CMST 3170 Mindful Living, Mindful Communication**

4 semester hours

Current technology allows us to connect with just about anybody with a touch of the finger; however, we often find ourselves unable to engage in genuine, one-on-one communication, which can be characterized as being "mindful." On the one hand, technology has made us more efficient and productive, but, on the other hand, we find our attention to be scattered and our lives marked by stress and complications. Specifically, in this course there are two overarching goals: 1) students will learn to cultivate mindfulness to become more in tune with what they see, touch, hear, feel, and think, and 2) they will learn how to communicate mindfully by showing respect, compassion, and loving kindness in their relationships.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

**CMST 3180 Leadership and Interpersonal Communication**

4 semester hours

In this course we will explore a wide range of human behavior as it relates to leadership development and communication with an emphasis on global communication issues. Students will learn about leadership, strengthen leadership skills, and learn to value their potential for leadership. This course will integrate theory and practice to build leadership competencies required in today's global workplace. This course is largely experiential and guided by the principle that leadership is a skill that can be developed and refined.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2800, and either CMST 2100 or CMST 2300.

**CMST 3190 Advanced Topics in Interpersonal Communication**

4 semester hours

Seminar addressing selected, advanced topics in interpersonal communication.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

**CMST 3191 Relationships in Context**

#### *4 semester hours*

This course introduces students to the interdisciplinary study of human relationships, with a particular focus on the sociocultural approach to relating and communicating. This course is based on the premise that relationships are far more than the matching of personalities or the forming of emotional bonds. Rather, our relational experiences are situated within and shaped by larger historical, social, cultural, technological, and political contexts. Through readings, lectures, class discussions, and film analyses, students will explore social rules in relational conduct, the cultural codes of love and romance, the material/technological circumstances of relating, and the politics of private life. This course is also designed to encourage students to rethink some popular assumptions that inform our understanding of interpersonal communication, such as the false binary of public/private, the illusion of relationships as containers, and the centrality of individualism and cognition.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2100, and CMST 2800.

#### **CMST 3290 Advanced Topics in Intercultural Communication**

##### *4 semester hours*

Seminar addressing selected, advanced topics in intercultural communication.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2200, and CMST 2800.

#### **CMST 3310 Media and Marketing Communication**

##### *4 semester hours*

This course provides a comprehensive introduction to integrated marketing communications, media selection, and campaign execution. Students will learn the elements of a successful strategic communications plan by evaluating advertising, public relations, and marketing silos and their impact on motivating target audiences. In this course, students will learn to evaluate audience demographics and apply appropriate communication channels and messages based upon audience needs and the business realities of marketing campaigns. A key course objective is to gain an understanding of how to propose and implement an integrated marketing communications plan from the viewpoints of advertising agencies, businesses, and nonprofit entities.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

#### **CMST 3320 Sexualities and Organizational Communication**

##### *4 semester hours*

This course develops and facilitates learners' critical knowledge of the intersections between sexualities, organizations, and communication. Over the course of the semester, we will build a queer understanding of sexuality and organizational communication that is guided by the question, "what would it mean to embody a sexual ethics of organizing?" Building upon theoretical approaches to organizational communication, this course lays an anti-foundational understanding of sexuality, or rather we will come to know sexualities as strange, plural achievements that are lived and embodied within a contested terrain of history, culture, power, and labor.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

University Core fulfilled: Integrations: Interdisciplinary Connections.

#### **CMST 3325 Communication and Healthcare**

##### *4 semester hours*

Communication plays a critically important role in many different aspects of the healthcare process from care delivery to public health campaigns. This course offers a broad survey of health communication theory, research, and practice focused on patient-provider interaction, communication in healthcare organizations, culture and health, health education, and social marketing. Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2800, and either CMST 2100 or CMST 2300.

#### **CMST 3330 Corporate Ethics and Social Responsibility**

##### *4 semester hours*

Students in this course will review and exhibit comprehension of theories and practical application of corporate ethics and corporate social responsibility (CSR).

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

#### **CMST 3335 Sport and Public Communication**

##### *4 semester hours*

This course will explore the interplay between the business, socioeconomic, and cultural dynamics of sport and how these intersections are influenced by the aspect of public communication. Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

#### **CMST 3340 Communication and Work Life Balance**

##### *4 semester hours*

This course examines the paradox of work-life balance in the lives of workers who are parents, adult caregivers of aging parents, spouses, significant others, and friends who juggle work and their personal lives. With the boundaries between work and home becoming more and more permeable, work and personal relationships and responsibilities become more complex. In this course we examine the discourses of work-life management in regards to everyday practices as well as organizational policies—the relational level and the organizational level.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

#### **CMST 3350 Nonprofit Communication Campaigns**

##### *4 semester hours*

This class is a Community Based Learning (CBL) course and requires completion of volunteer hours with a nonprofit organization. Students will work in teams to design and write communication campaign items for a nonprofit organization.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

University Core fulfilled: Flag: Engaged Learning.

#### **CMST 3370 Gender and the Workplace**

##### *4 semester hours*

This class will explore basic theories and principles of communication and gender in organizational contexts through lecture, class discussions, case studies, assigned readings, films, and written assignments. Students will develop an understanding of gender issues at work and how we construct gendered stereotypes, policies, and values.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

### **CMST 3380 Communication and Consulting**

*4 semester hours*

In this course, students will actively explore the roles and responsibilities of consultants alongside two experienced teachers who will provide feedback and support for these focused experiments. Students will be introduced to common elements of consulting interventions and will apply these elements in case studies that will be engaged first as an entire class and later in small groups of students who have assigned individual responsibilities in managing the cases on which they are working.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

### **CMST 3390 Advanced Topics in Organizational Communication**

*4 semester hours*

Seminar addressing selected, advanced topics in organizational communication.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2300, and CMST 2800.

### **CMST 3410 Political Communication**

*4 semester hours*

The act of deliberation is the act of reflecting carefully on a matter weighing the strengths and weaknesses of alternative solutions to a problem. It aims to arrive at a decision or judgment based not only on facts and data but also on values, emotions, and other less technical considerations. This course takes a unique approach to the field of political communication by viewing key concepts and research through the lens of deliberative democracy theory. This course focuses on how communication is central to democratic self-governance primarily because of its potential to facilitate public deliberation.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2800, and CMST 2400 or CMST 2500.

### **CMST 3420 Rhetoric of Women**

*4 semester hours*

This course provides the opportunity to explore and analyze rhetorical texts created by women in a variety of contexts and for a range of purposes. The overall goal of the course is to examine the ways in which women develop and use rhetoric to function in, challenge, and change the world. Various texts including writing, speaking, visual and performing arts, as well as media forms will be used to understand rhetorical situations, concerns, and goals of women. Students will gain an understanding of feminist perspectives on communication as a foundation for critically questioning, evaluating, and re-envisioning the nature of communication in our socially constructed world. In this course, gender is viewed as a lens, platform, and position that significantly affects and can radically transform our personal, local, and global lives. Particular attention will be given to the ways in which gender and gender issues intersect with race, class, and sexuality.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

### **CMST 3430 Culture, Crime, and Punishment**

*4 semester hours*

This course examines cultural constructions of crime and punishment. Although the course focuses primarily on the U.S. criminal justice system, we will attend to the prison industrial complex's global reach. Consequently, the course gives students the opportunity to examine one of the most pressing social issues of our time. We will focus our study of cultural constructions of crime and punishment in three different rhetorical cultures: public discourse, prisoners' discourse, and prison activism discourse. These three arenas map onto the three units of the course: 1) Crime and Punishment in the Cultural Imagination; 2) Crime and Punishment in the Prisoners' Imagination, and 3) From Criminal Justice to Transformative Justice.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2800, and either CMST 2400 or CMST 2500.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **CMST 3440 Media Criticism**

*4 semester hours*

Seminar emphasizing the critical analysis of contemporary media texts.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2800, and either CMST 2400 or CMST 2500.

### **CMST 3450 Rhetoric of Social Movements**

*4 semester hours*

The purpose of this course is to facilitate a critical and practical awareness of rhetoric's relationship to social change. As such, this class is both theoretical and practical. This class will analyze individual and group rhetorical strategies and tactics, and consider the utility of these strategies in relation to groups that are attempting to create social change.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2400.

### **CMST 3455 Public Advocacy and Activism**

*4 semester hours*

This course will fuse theory and practice through the lenses of public policy and activism/advocacy. Students will refine their persuasive speaking/writing skills, put theory into practice via hands-on fieldwork, hone leadership/motivational abilities, be inspired by the rich history of student-led activism and resistance, research and develop communication strategies for (re)framing of issues, and empower themselves to work for a better tomorrow for all.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

### **CMST 3460 Gender, Sexuality, and the Media**

*4 semester hours*

This course explores ways in which mass media help form, reproduce, and challenge our understanding of gender and sexuality. As a culture saturated with media institutions, we cannot remain untouched by their reach, and consequently, their ideas about what it means to be masculine, feminine, transgendered, racially marked, heterosexual, bisexual, lesbian, gay, queer, or sexually fluid. The course explores how gender and sexuality become normalized through mass media, and what makes possible the disruption of certain constructions of gender or sexuality.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

**CMST 3470 Primetime Crime**

*4 semester hours*

This course is a media criticism course focused on the genre of television crime programs. It explores various sub-genres including the detective story, forensic scientists show, the cop show, and the mafia story. It also explores the transnational circulation of this genre in American, European, and Australian contexts. As we explore this genre historically from early radio programs to digital platforms like Netflix, we will consider changes in the television landscape that impact both our TV consumption and the place of crime stories in our lives.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

**CMST 3480 Visual Communication**

*4 semester hours*

This course helps students cultivate visual literacy in order to better navigate a world of increasing visuality. By adopting a rhetorical perspective toward visual communication, the course examines images designed to persuade and constitute audiences. In the process we will explore the role of visual communication in shaping public opinion, cultural values, and laws.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

**CMST 3490 Advanced Topics in Rhetoric**

*4 semester hours*

Seminar addressing selected, advanced topics in rhetorical studies. Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2400, and CMST 2800.

**CMST 3510 Wires and Empires**

*4 semester hours*

In this course, students will first be introduced to key international communications theories and will then be asked to consider whether the introduction of Web 2.0, inexpensive mobile technology, and other recent digital media advances are reinforcing or disrupting existing patterns of globalization.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

**CMST 3520 Digital Self**

*4 semester hours*

Our central question in this course will be: what's the nature of online identity? In this class, we'll explore that question through examining: theoretical approaches to self and society, arguments for and against technological determinism, technology's contested impact on civic engagement and community, and the profound influence of digital marketing and digital marketing research tools on consumers-as-brands.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

**CMST 3530 Digital Rhetoric**

*4 semester hours*

This course focuses on analyzing how technologies alter audience, author, text, rhetorical strategies, message, and channels of communication. Students will become better versed in criticism and consumption of digital texts and media.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2800, and either CMST 2400 or CMST 2500.

**CMST 3540 Environmental Communication**

*4 semester hours*

Seminar focusing on issues of environmental conservation and justice from a communication studies perspective.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2800, and either CMST 2400 or CMST 2500.

**CMST 3590 Advanced Topics in Media Studies**

*4 semester hours*

Seminar addressing selected, advanced topics in media studies.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2500, and CMST 2800.

**CMST 3630 For the Love of the Game**

*4 semester hours*

This class will explore the intersections of sport, gender, and culture.

The class will focus on legislation (such as Title IX) as well as the rules, norms, rites, and rituals that surround sports in our society.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

**CMST 3660 Making Social Worlds**

*4 semester hours*

How one acts during "critical moments" can change the world. This course is designed to help you apply everything that you have learned and will learn about human communication. A particular focus of this course will be on the Coordinated Management of Meaning (CMM). We will explore how this theory can be used to improve communication in a wide variety of contexts, from interpersonal relationships, to workplace communication, to public dialogue and political discourse.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, CMST 2800, and either CMST 2100 or CMST 2300.

**CMST 3670 Communication Theory and Popular Culture**

*4 semester hours*

In this course students investigate how different cultural forms communicate ideas about the world and about ourselves. We will begin by grounding ourselves in communication and rhetorical theory so that we have lenses through which to analyze texts. We will then discover what makes something popular culture; how various forms of pop culture shape and represent "reality" and social life; why we consume popular culture in the way that we do; and how we will create, "play with," and participate in, a popular culture event ourselves.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

**CMST 3671 Comix and the Graphic Novel**

*4 semester hours*

Students read graphic novels dealing with themes such as love, mystery, illness, and death. Students critique graphic novels and write the critique as a comic book (with endnotes) in which the student interacts with the character(s) from the graphic novels chosen. You will tell a story that uses words and images. Students

propose and plan a story, shoot photographs, and then produce the comix using Comic Life 3 technology.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

### **CMST 3710 Community Based Learning**

*4 semester hours*

Traditionally, community-based learning and service are distinct from courses of political action and social change. This course focuses on how hands-on community-based learning experiences and skills can act as a vehicle for just social change. Consequently, after the completion of this course, students will have garnered an understanding of the significant relationship between community-based learning, non-profit organizations, and social change.

Students will gain hands-on experience in helping organizations create change from a social justice perspective. In so doing, students will gain Communication Studies theoretical and practical knowledge in the non-profit sector from community-based learning and social change perspectives.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

Consent of instructor required.

### **CMST 3810 Advanced Forensics**

*4 semester hours*

This is an advanced course in argumentation and debate in which students apply communication concepts, theories, and research methods to address "real world" issues and problems in concrete contexts. In this course, successful students will be expected to analyze and adapt their messages based on specific audiences and contexts, capitalizing on their understanding of the complex and dynamic relationships between communicators, their messages, and their audiences in contexts which are challenging and time-bound. Students will be engaged in study of contemporary social, political, economic, and cultural issues.

Junior or senior standing required.

Majors only.

Prerequisite: CMST 2800.

Consent of instructor required.

### **CMST 3820 Communication Practicum**

*4 semester hours*

Communication Practicum is a CMST application class that provides students with an opportunity to gain practical experience in a communication-related field in preparation for obtaining a position after graduation. This course provides an opportunity for directed experiences in applying the principles and skills of communication theory while performing specific tasks in the workplace. Students will be able to continue to explore and develop career interests and talents while participating in the internship setting, experience networking, and learn transferable workplace skills.

University Core fulfilled: Flags: Engaged Learning, Oral Skills.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

### **CMST 3830 Communication and Legal Practice**

*4 semester hours*

This course brings the legal trial to the classroom, providing students an opportunity to incorporate an array of communication principles and skills with the experience of trial practice.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

### **CMST 3840 Mediation and Communication**

*4 semester hours*

Mediation is a process that depends on a great deal of communication savvy; whether you are participating as the mediator, a lawyer, or as a client, understanding the communication principles that are at work in the give-and-take of mediation can help you achieve more satisfying results. In this class we will focus on principles of negotiation, based on a communicative understanding of conflict, persuasion, and situation analysis.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

### **CMST 3860 Entertainment Management and Communication**

*4 semester hours*

This course focuses on the traditional organizational "models" in order to describe various structures and the functions of typical executives/managers within their organizations and within the industry. In addition, the course examines digital media and how these media intersect with traditional models.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 1600, CMST 1700, and CMST 2800.

### **CMST 3998 Special Studies**

*1 TO 4 semester hours*

Junior or senior standing required.

### **CMST 3999 Independent Studies**

*1 TO 4 semester hours*

Junior or senior standing required.

### **CMST 4150 Relational Communication Capstone**

*4 semester hours*

This capstone course examines advanced relational communication theories and their application to various contexts. Requires substantial original research.

Must be completed with a grade of C (2.0) or better.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 2100 and one course within the CMST 3100-3195 range.

### **CMST 4250 Intercultural Communication Capstone**

*4 semester hours*

This capstone course examines advanced intercultural communication theories and their application to various contexts. Requires substantial original research.

Must be completed with a grade of C (2.0) or better.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 2200 and one course in the CMST 3200-3295 range.

### **CMST 4350 Organizational Communication Capstone**

*4 semester hours*

This capstone course examines advanced organizational communication theories and their application in various contexts. Requires substantial original research.

Must be completed with a grade of C (2.0) or better.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 2300 and one course in the CMST 3300-3395 range.

### **CMST 4450 Rhetoric Capstone**

*4 semester hours*

This capstone course examines various ways rhetorical theories

may be applied to discourse in order to highlight methods of rhetorical criticism. Requires substantial original textual analysis.

Must be completed with a grade of C (2.0) or better.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 2400 and one course in the CMST 3400-3495 range.

University Core fulfilled: Flag: Writing.

### **CMST 4500 Media Studies Capstone**

*4 semester hours*

This capstone course examines advanced media studies theories and their application to various contexts. Requires substantial original research.

Must be completed with a grade of C (2.0) or better.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 2500 and one course in the CMST 3500-3595 range.

### **CMST 4750 Qualitative Methods Capstone**

*4 semester hours*

This capstone requires students to use advanced qualitative research methods and appropriate communication theories to examine a human communication phenomenon within a particular social context.

Must be completed with a grade of C (2.0) or better.

University Core fulfilled: Flag: Writing.

Junior or senior standing required.

Majors only.

Prerequisites: CMST 2100, CMST 2200, or CMST 2300, and one course in the CMST 3100-3195, CMST 3200-3295, or CMST 3300-3395 range.

### **CMST 4999 Independent Studies**

*1 TO 4 semester hours*

Junior or senior standing required.

Majors only.

## **Dance (DANC)**

### **DANC 100 Orientation to Dance**

*0 TO 1 semester hour*

An introduction to the discipline of Dance for Dance major students. This course addresses: student life at LMU, important programs offered throughout the campus, important offices and individuals on campus, health and wellness, careers, performance and choreographic opportunities, community service, on- and off-campus community resources, and other important issues facing the Dance major.

Lab fee.

Majors only.

May be repeated for degree credit up to 2 times.

### **DANC 101 Principles of Movement**

*0 TO 1 semester hour*

Orientation to use of breath, alignment, and basic principles of motion. Exploration of the body-mind connection.

Majors only.

### **DANC 102 Modern Dance I**

*0 TO 2 semester hours*

Fundamental movement techniques and the manipulation of time, force, and space are explored through participation in improvisation and structured skill activity, as well as basic relaxation and body awareness experiences. Introduction to jazz dance forms.

May be repeated for degree credit up to 2 times.

### **DANC 120 Ballet I**

*0 TO 2 semester hours*

Barre and center work for alignment, strength, flexibility, and coordination. Introduction to ballet terminology, aesthetics, and study of fundamentals of style and history.

May be repeated for degree credit up to 2 times.

### **DANC 142 Jazz Dance I**

*0 TO 2 semester hours*

An introduction to the art of jazz dance. Emphasis on fundamental alignment and rhythmic skills as well as styling. Study of the aesthetics of entertainment.

May be repeated for degree credit up to 2 times.

### **DANC 144 Tap Dance I**

*0 TO 2 semester hours*

An introduction to tap dance and its history. Focus on specific skills in tap dance involving vocabulary, keeping time, music theory, and rhythm.

May be repeated for degree credit up to 2 times.

### **DANC 160 Fundamentals of Dance Composition I: The Choreographic Process**

*3 semester hours*

Principles of the choreographic process in relation to movement invention, choreographic devices, choreographic craft, presentation, feedback, and reflection. Groundwork in aesthetics and compositional theory.

Dance majors and minors only.

Offered in the Fall semester.

University Core fulfilled: Explorations: Creative Experience.

### **DANC 161 Fundamentals of Dance Composition II: Dance Improvisation**

*3 semester hours*

Continuation of DANC 160 with an emphasis on dance improvisation as a choreographic practice and in performance.

Dance majors and minors only.

Offered in the Spring semester.

### **DANC 163 Introduction to Choreography**

*3 semester hours*

An introduction to dance composition for the non-major. Exploration of space, time, and energy through movement, sound, and text.

University Core fulfilled: Explorations: Creative Experience.

### **DANC 174 Introduction to Yoga**

*1 semester hour*

An introduction to the theory and practice of yoga through exercise, meditation, and selected readings.

### **DANC 183 Stagecraft for Dancers**

*1 semester hour*

Introduction to basic principles of lighting, costuming, and production management.

Offered in the Spring semester.

### **DANC 198 Special Studies**

*1 TO 3 semester hours*

### **DANC 199 Independent Studies**

*1 TO 3 semester hours*

### **DANC 202 Modern Dance II**

*0 TO 2 semester hours*

Continuation of DANC 102. Increased emphasis on energy, range, and expression. More complex rhythmic patterns and movement

designs are explored. Introduction to performance technique. Continuation of study of historical and aesthetic principles. May be repeated for degree credit up to 4 times. Audition: First class meeting.

#### **DANC 220 Ballet II**

*0 TO 2 semester hours*

Learning to execute the vocabulary of ballet movement with technical accuracy. Beginning combinations across the floor. Continuation of study of history and aesthetics of the ballet style. May be repeated for degree credit up to 4 times. Audition: First class meeting.

#### **DANC 242 Jazz Dance II**

*0 TO 2 semester hours*

Body rhythms, their initiation, pulse, and flow are explored in conjunction with sound through the principle of syncopation. Study of the aesthetics of entertainment and ethnology. May be repeated for degree credit up to 4 times. Audition: First class meeting.

#### **DANC 244 Tap Dance II**

*0 TO 2 semester hours*

Continuation of DANC 144. Increased focus on musicality. May be repeated for degree credit up to 6 times. Audition: First class meeting.

#### **DANC 248 Musical Theatre Dance I**

*0 TO 2 semester hours*

Study of the fundamental dance and performance skills associated with musical theatre dance. May be repeated for degree credit up to 8 times.

#### **DANC 260 Laban Movement Analysis**

*3 semester hours*

Study of Rudolf Laban's method of systematic description of qualitative change in movement. Application in choreography, in teaching and in learning movement. Dance majors and Dance minors only. University Core fulfilled: Flag: Quantitative Reasoning.

#### **DANC 262 Dance Styles and Forms**

*3 semester hours*

Exploration of dance composition based on styles of noted choreographers. Study of dance forms. Theory and practice as modes of study. Prerequisites: DANC 160, DANC 161, or DANC 163; and DANC 260.

#### **DANC 281 History of Dance Theatre**

*3 semester hours*

A study of dance development as an art form from earliest origins, through medieval religious pageantry, Renaissance court dances, 18th century stage dance, and culminating with dance in the 19th and 20th centuries. Evolution of ballet and modern dance forms in Europe and America. Offered in the Spring semester. University Core fulfilled: Flag: Information Literacy; Flag: Writing.

#### **DANC 282 I Am, Therefore I Dance**

*3 semester hours*

A study of dance as a cultural, political and socio-economic phenomena. The dance of three selected cultures in the United States today with origins in Africa, Asia and Europe and current life in the United States will form the focus of study. Lab fee. University Core fulfilled: Foundations: Studies in American Diversity.

#### **DANC 298 Special Studies**

*1 TO 3 semester hours*

#### **DANC 299 Independent Studies**

*1 TO 3 semester hours*

#### **DANC 302 Modern Dance III**

*0 TO 2 semester hours*

Continuation of DANC 202. More complex rhythmic patterns and movement design. Concentrated work on performance and projection techniques. Dance films and study of current research on dance criticism. May be repeated for degree credit up to 6 times. Audition: First class meeting.

#### **DANC 320 Ballet III**

*0 TO 2 semester hours*

Continuation of DANC 220. Variations from the repertory of classic ballet. Familiarity with the music, scenarios, and staging of several traditional ballets. Dance films and study of current research on dance criticism. May be repeated for degree credit up to 6 times. Audition: First class meeting.

#### **DANC 323 Intermediate/Advanced Ballet**

*0 TO 2 semester hours*

Continuation of DANC 220 and DANC 320. Augmented work in ballet technique and performance. May be repeated for degree credit up to 8 times. Audition: First class meeting.

#### **DANC 342 Jazz Dance III**

*0 TO 2 semester hours*

Continuation of DANC 242. Focus on styling and performance. Theoretical study of selected jazz dance artists and the impact of film and video on jazz dance. May be repeated for degree credit up to 6 times. Audition: First class meeting.

#### **DANC 344 Tap Dance III**

*0 TO 2 semester hours*

A continuation of DANC 244. Focus on developing better skills, exploring rhythms, and mastering ability to keep time and phrase rhythms. May be repeated for degree credit up to 6 times. Audition: First class meeting.

#### **DANC 345 Jazz Dance IV**

*0 TO 2 semester hours*

Continuation of DANC 342. Emphasis on study of jazz dance, hip hop, funk, and other dance styles used in commercial/media dance. May be repeated for degree credit up to 8 times. Audition: First class meeting. Intermediate ballet skills requisite.

#### **DANC 347 Intermediate Hip Hop**

*0 TO 2 semester hours*

Study of hip hop as a cultural dance form. May be repeated for degree credit up to 4 times.

#### **DANC 348 Musical Theatre Dance II**

*0 TO 2 semester hours*

Continuation of DANC 248. Practice of the dance technique and performance skills associated with musical theatre. Study of music, costuming, and acting dimensions of musical theatre dance. Majors only. May be repeated for degree credit up to 8 times. Audition: First class meeting.

**DANC 353 Dance Conditioning**

0 TO 2 semester hours

Laboratory course using specialized training modalities selected from Pilates, Feldendrais, and other physical systems. May be repeated for degree credit up to 6 times.

**DANC 363 Multiple Ways of Knowing and Showing: Music and Dance**

3 semester hours

This course will introduce students to fundamental principles and concepts in Music and Dance. Students will study the elements of Music and Dance and engage in creative expression. They will investigate each art form as a discrete discipline, and they will investigate how these art forms integrate with each other as well as with other subjects in the pre K-12 curriculum (e.g., reading, mathematics, sciences, and social studies). The course emphasizes learning using multiple intelligences (*Musical Intelligence, Bodily-Kinesthetic Intelligence, Existential Intelligence, and Social-Interpersonal/Intrapersonal Intelligences*, along with *Verbal-Linguistic, Mathematical, and Visual-Spatial Intelligence*). Students will focus on these intelligences as discrete and diverse ways of knowing and expressing facts, concepts, and feelings. They will also practice integration of these intelligences experiencing the possibilities of the potential synergy when these intelligences work in concert with each other. Open to sophomores, juniors, and seniors only.

**DANC 364 Multiple Ways of Knowing and Showing: Laboratory**

1 semester hour

Practicum for DANC 363.

**DANC 371 Martial Arts**

0 TO 2 semester hours

Study of Tae Kwan Do, Aikido, Tai Chi Chuan, or other selected martial arts forms. May be repeated for degree credit as long as subject changes.

**DANC 374 Yoga I**

0 TO 2 semester hours

Theory and practice of yoga through exercise, meditation, and selected readings.

**DANC 375 Yoga II**

0 TO 2 semester hours

Continuation of yoga practice begun in Yoga I. Prerequisite: DANC 374.

**DANC 376 Yoga for Dancers**

0 TO 2 semester hours

Yoga practice particularly designed for those pursuing in-depth dance technique training. May be repeated for degree credit up to 6 times. Majors only.

**DANC 377 Dance Production**

0 TO 1 semester hour

Serving as crew member or 30 hours of Dance Production work in the areas of lighting, publicity, costuming, staging, and/or related fields. May be repeated for degree credit up to 8 times.

**DANC 378 Service Project**

0 semester hours

Completion of a service project on campus or in the community.

**DANC 379 Dance Tour Group**

0 TO 3 semester hours

Performance Groups who choreograph, produce, perform, and

teach on campus and select K-12 schools, dance studios, community centers, and other venues off campus. May be repeated for degree credit up to 4 times.

**DANC 380 Music for Dance**

3 semester hours

Study of the elements of music theory and history which are common to dance and music.

**DANC 382 Drumming for Dance**

2 semester hours

African drumming techniques used in Dance for dancers and musicians.

**DANC 384 Creative Dance for Children**

3 semester hours

Creative dance experience designed to prepare the elementary school teacher to offer dance instruction.

**DANC 385 Movement Arts for Children**

3 semester hours

Movement Arts experience ("new games," dance, sport) and study of the child's physical and motor development. Designed as pre-service Elementary School teacher training. Meets Liberal Studies Credential requirements.

**DANC 386 Dance in Los Angeles**

1 semester hour

Attendance at and analysis of concert dance and venues in the greater Los Angeles area.

**DANC 387 Dance as Social Action**

0 TO 3 semester hours

Theoretical, practical, and artistic exploration of Dance as a cultural phenomenon and its role in social change. May be repeated for degree credit up to 2 times. University Core fulfilled: Flag: Engaged Learning (when taken for 3 semester hours).

**DANC 388 Careers in Dance**

1 semester hour

Practical and theoretical study of dance-related careers.

**DANC 397 World Dance**

0 TO 2 semester hours

Intensive study of selected world cultures from Africa, Asia, the Pacific, and Europe with particular attention to historical and cultural perspective. May be repeated for degree credit as long as selected culture differs.

**DANC 398 Special Studies**

1 TO 3 semester hours

**DANC 399 Independent Studies**

1 TO 3 semester hours

**DANC 402 Modern Dance IV**

0 TO 2 semester hours

Continuation of DANC 302. Study focuses on subtlety in energy, range, and expression, along with concentration of style, rhythmic patterns, and movement design. Dance films and study of current research on dance criticism. May be repeated for degree credit up to 8 times. Audition: First class meeting.

**DANC 403 Friday Dance Workshop**

*0 TO 1 semester hour*

In-depth exploration of dance technique and partnering.  
May be repeated for degree credit up to 8 times.  
Audition: First class meeting.

**DANC 404 Modern Dance V**

*0 TO 2 semester hours*

Continuation of DANC 402. Study focuses on increasing subtlety in energy, range, and expression, along with concentration on style, rhythmic patterns, and movement designs. Focus on style and professional work.  
May be repeated for degree credit up to 6 times.

**DANC 420 Ballet IV**

*0 TO 2 semester hours*

Continuation of DANC 320.  
May be repeated for degree credit up to 8 times.  
Audition: First class meeting.

**DANC 421 Pointe and Variations**

*0 TO 2 semester hours*

Study of pointe work in ballet and reconstruction of variations from ballets of different periods.  
May be repeated for degree credit up to 4 times.  
Audition: First class meeting.

**DANC 423 Ballet V**

*0 TO 2 semester hours*

Continuation of DANC 420.  
May be repeated for degree credit up to 8 times.  
Audition: First class meeting.

**DANC 424 Ballet VI**

*0 TO 2 semester hours*

Continuation of DANC 423.  
May be repeated for degree credit up to 8 times.  
Audition: First class meeting.

**DANC 444 Tap Dance IV**

*0 TO 2 semester hours*

A continuation of DANC 344. Focus on developing better skills, exploring rhythms, and mastering ability to keep time and phrase rhythms.  
May be repeated for degree credit up to 6 times.  
Audition: First class meeting.

**DANC 445 Jazz Dance V**

*0 TO 2 semester hours*

Continuation of DANC 345. Emphasis on study of jazz dance, hip hop, funk, and other dance styles used in commercial/media dance.  
May be repeated for degree credit up to 8 times.  
By audition only.

**DANC 446 Jazz Dance VI**

*0 TO 2 semester hours*

Continuation of DANC 445. Pre-professional emphasis including auditioning and career planning.  
May be repeated for degree credit up to 8 times.  
By audition only.

**DANC 459 Senior Thesis Preparation**

*0 semester hours*

Organization of the senior thesis project, preparation of the senior thesis essay, and career bridge building.  
Majors only.  
Senior standing required.

**DANC 461 Senior Thesis: Project**

*3 semester hours*

Preparation and presentation of performance or research thesis.  
Senior standing required.  
Majors only.  
Repeatable up to 6 semester hours for degree credit.  
University Core fulfilled: Flag: Writing.

**DANC 462 Mentorship: Senior Thesis**

*0 TO 1 semester hour*

One-on-one guidance on the development and presentation of the Senior Thesis Project.  
May be repeated for degree credit up to 2 times.

**DANC 479 Rehearsal and Performance**

*0 TO 3 semester hours*

Format varies by semester. Auditioning, rehearsing, performing, and/or producing in the Dance Department main stage productions.  
May be repeated for degree credit up to 8 times.  
University Core fulfilled: Flag: Engaged Learning.

**DANC 480 Kinesiology for Dancers I**

*3 semester hours*

Understanding of the human body as it experiences movement. Analysis of the physics, anatomy, physiology, and psychology of movement behavior.  
Offered in the Fall semester.  
University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

**DANC 481 Kinesiology for Dancers II**

*3 semester hours*

Continuation of DANC 480.  
Prerequisite: DANC 480 or HHSC 150 or consent of Dance director.  
Offered in the Spring semester.  
Lab fee.  
University Core fulfilled: Integrations: Interdisciplinary Connections.

**DANC 484 Principles of Teaching Dance**

*3 semester hours*

Theory and practice of effective dance instruction, including methods, lesson plans, and practice teaching of high school students and adults.  
University Core fulfilled: Flag: Oral Skills.

**DANC 485 Internships**

*1 TO 3 semester hours*

Work experience in teaching, health care, or business.  
May be repeated for degree credit up to 2 times.

**DANC 487 Dance Media and Technology**

*3 semester hours*

Use of computer technology and other media in the making and performance of dance.

**DANC 489 Performance Techniques Workshop**

*0 TO 3 semester hours*

An in-depth exploration of performance techniques in ballet, modern dance, jazz dance, and other selected dance genre.  
May be repeated for degree credit up to 4 times (maximum 12 semester hours).

**DANC 498 Special Studies**

*1 TO 3 semester hours*

**DANC 499 Independent Studies**

*1 TO 3 semester hours*

**Economics (ECON)**

**ECON 1050 Introductory Economics**

4 semester hours

Accelerated introduction to both microeconomics and macroeconomics. Supply and demand, elasticity, and theories of production, cost, competition, monopoly, and other market structures. Aggregate supply, aggregate demand and Keynesian Cross analysis, and discussion of GDP, national income, inflation, and unemployment. This course substitutes for ECON 1100 and ECON 1200 wherever one or both are stated as prerequisites. University Core fulfilled: Explorations: Understanding Human Behavior.

**ECON 1100 Introductory Microeconomics**

4 semester hours

Analysis of behavior of individual economic agents including consumers and firms. Supply and demand, elasticity, theory of production, and cost. Pricing and output decisions under competition, monopoly, and other market forms. University Core fulfilled: Explorations: Understanding Human Behavior.

**ECON 1200 Introductory Macroeconomics**

4 semester hours

Analysis of inflation, unemployment, and gross national product. Money and banking, Keynesian and Monetarist economics, government policy toward money supply, spending, the national debt, and exchange rates. University Core fulfilled: Explorations: Understanding Human Behavior.

**ECON 1998 Special Studies**

1 TO 4 semester hours

**ECON 1999 Independent Studies**

1 TO 4 semester hours

**ECON 2300 Introductory Statistics**

4 semester hours

An introduction to the modern methods of analyzing sample data. Topics include descriptive statistics, probability theory, binomial and normal distributions, estimation, hypothesis testing, and simple regression analysis. Recommended: MATH 112 or MATH 131 or concurrent enrollment. University Core fulfilled: Foundations: Quantitative Reasoning.

**ECON 2350 Accelerated Introductory Statistics**

4 semester hours

Accelerated introduction to statistics with applications to economics. Topics include descriptive statistics, probability theory, binomial and normal distributions, estimation, hypothesis testing, and regression analysis. This course also involves exercises in applying theoretical concepts to real world empirical problems, e.g., for policy analysis. This course can be taken in lieu of ECON 2300 and substitutes for ECON 2300 wherever it is stated as a prerequisite. Recommended: MATH 112 or MATH 131 or concurrent enrollment.

**ECON 2998 Special Studies**

1 TO 4 semester hours

**ECON 2999 Independent Studies**

1 TO 4 semester hours

**ECON 3100 Intermediate Microeconomics**

4 semester hours

Microeconomic theory applied to the private sector. Indifference curves, utility theory, Slutsky equation, individual and market demand, technology, cost minimization, cost curves, consumer and producer surplus, efficiency, perfect competition, monopoly, price

discrimination, classical oligopoly theory, game theory including Nash equilibrium, resource markets.

Prerequisites: A grade of at least B- in ECON 1050 and a grade of at least B- in MATH 112 or of at least C in MATH 131. University Core fulfilled: Flag: Quantitative Reasoning.

**ECON 3200 Intermediate Macroeconomics**

4 semester hours

Macroeconomic analysis: The determination of national income and output and their components, employment, the price level (and inflation), interest rates, and long-term economic growth. An introduction to business cycle theory, monetary theory, balance of payments, and exchange rates. A study of economic policies to achieve goals and the limits of such policies.

Prerequisites: A grade of at least B- in ECON 1050 and a grade of at least B- in MATH 112 or of at least C in MATH 131. University Core fulfilled: Flag: Writing.

**ECON 3220 Money and Banking**

4 semester hours

The role of monetary matters in the economy. The organization, operation, and impact of money, banks and nonbank financial intermediaries, and financial markets in the economy. The impact of these on the determination of interest rates, the price level, and economic activity. The role of central bank and regulatory agency policies in financial markets and the economy. Prerequisite: ECON 1050.

**ECON 3300 Econometrics**

4 semester hours

Analysis of the linear regression model and its practical applications in economics, finance, marketing, and other areas of business. Material covered will be the two variable model, hypothesis testing, forecasting, functional forms of regression models, regression using dummy explanatory variables, multiple regression, autocorrelation, heteroscedasticity and multicollinearity. Emphasis is placed on the application of the techniques covered in the course to the solution of real world problems. Prerequisites: ECON 1050 and ECON 2300. University Core fulfilled: Flags: Information Literacy, Quantitative Reasoning.

**ECON 3340 Forecasting Methods**

4 semester hours

Analysis of a wide range of forecasting methods, including regression, smoothing, and arima models. Prerequisites: A grade of at least B- in ECON 1050 and a grade of at least B- in ECON 2300.

**ECON 3380 Economic Geography**

4 semester hours

Using geographical information systems to test spatial economics and classical locational theories, we explore economic activity and worldwide patterns of trade. Prerequisite: ECON 1050.

**ECON 3400 U.S. Economic History**

4 semester hours

Historical study of the economic growth and institutional development of the U.S. economy from the colonial era to the twentieth century. Topics may include: the economic ramifications of the American Revolution and the Constitution, the economics of slavery, industrialization, and the origins of the Great Depression. Prerequisite: ECON 1050.

**ECON 3410 World Economic History**

4 semester hours

A study of the comparative historical development of the world's

regions that examines why some countries have developed while others have not. Considers cultural and geographical factors as well as the central role of institutions; different forms of institutions, such as social norms, laws, and regulations; and their effect on economic behavior and performance. Uses models, data and primary sources to understand history.

Prerequisite: ECON 1050.

### **ECON 3420 History of Economic Thought**

*4 semester hours*

An analysis of the evolution of moral, political, and economic ideas and theories and their influence on the development of economic society.

Prerequisite: ECON 1050.

### **ECON 3480 Economics of Film and Fiction**

*4 semester hours*

Economics is everywhere. It's in business. It's in government. It's in our personal lives. This course utilizes contemporary and classic film and literature to illustrate fundamental concepts in economics through real-life illustration of economics. Classroom discussions and assignments are facilitated through a series of questions that explore economic theories in practice and their applications all around us. The course explores whether concepts are or are not presented correctly and the potential negative consequences of an erroneous presentation of economic concepts in film and fiction.

Prerequisite: ECON 1050.

### **ECON 3520 The Economics of Giving**

*4 semester hours*

The economics of giving is the analysis of non-market voluntary transfers of scarce resources, the reasons for their existence, their relations with market transactions, the public provision and funding of goods and services, and the resulting allocations. Considers the motives for giving and the magnitude of voluntary transfers and their evolution over time. Applies the theories of giving to gift-giving, family transfers, volunteering for charities, and public redistribution. Using the tools of economics, sociology, and psychology, among others, this course presents a wide view of the field of giving, reciprocity, and, more generally, altruism.

Prerequisite: ECON 1050.

### **ECON 3540 Economics of Green Decision Making**

*4 semester hours*

Develops frameworks for assessing the environmental impact of policies taken by individuals, firms, and governments. Pays particular attention to the assumptions typically made about environmental valuations and assesses these assumptions in different scenarios.

Prerequisite: ECON 1050.

### **ECON 3560 Urban Economics**

*4 semester hours*

A survey of the policy and theoretical issues that are raised when economic analysis is applied in an urban setting. Topics include urbanization and urban growth housing markets, location decisions of households and firms, transportation, urban labor markets, the local public sector, and discrimination.

Prerequisite: ECON 1050.

### **ECON 3580 Sports Economics**

*4 semester hours*

Introduction to the economics of professional sports. Strategic behavior, demand and sports revenue, market for sports broadcasting, team cost, profit and winning, sports market outcomes, market for talent and labor relations, stadium building, antitrust and competition policy. Review of current issues in the research on sports economics.

Prerequisite: ECON 1050.

### **ECON 3600 Financial Economics**

*4 semester hours*

Practical application of financial theory in both a certain and uncertain environment. Focus on capital budgeting, financial structure, cost of capital, and dividend policy.

Prerequisite: ECON 1050.

### **ECON 3620 Managerial Economics**

*4 semester hours*

Provides a solid foundation of economic understanding for use in managerial decision making. It focuses on optimization techniques in the solution of managerial problems.

Prerequisite: ECON 1050.

### **ECON 3640 Multinational Corporation**

*4 semester hours*

The economic power and impact; the expansion of multinational business, international movement of management techniques, labor, resources, and technology.

Prerequisite: ECON 1050.

### **ECON 3660 Personal Finance**

*4 semester hours*

This course is a comprehensive coverage of consumer finance. Topics are consumer credit, consumer spending, and investing for the short run and the long run. Housing and real estate investing, personal financial planning, and various investment vehicles such as equity, fixed rate of return instruments, annuities, and insurance, as well as the fundamentals of tax planning are addressed. The emphasis is on evaluating choices and understanding the consequences of decisions in terms of opportunity costs.

Prerequisite: ECON 1050.

### **ECON 3690 Chinese Economic and Business System**

*4 semester hours*

This course aims to provide an introduction to Chinese economic and business system as well as the major strategic and operational issues facing multinational corporations in doing business in China. Taught only in Beijing, China.

Prerequisite: ECON 1050.

### **ECON 3700 International Trade**

*4 semester hours*

Analysis of classical and modern theories of international trade and their relation to internal and external equilibria. Income and monetary factors, commercial policies affecting international trade. Resource movements, regional economic integration.

Prerequisite: ECON 1050.

### **ECON 3720 International Finance Theory**

*4 semester hours*

Introduction to foreign exchange markets and the determination of exchange rates. Understanding balance of payments accounts, enacting policies to affect the current account, and examining balance of payments crises. Overview of international policy coordination and the international monetary system. Application of theory to current international issues.

Prerequisite: ECON 1050.

### **ECON 3740 Economic Development of Minority Communities**

*4 semester hours*

Historical study of minority groups in the American economy. Emphasis upon institutions, ideas, and individuals.

Prerequisite: ECON 1050.

University Core fulfilled: Flag: Engaged Learning.

**ECON 3998 Special Studies**

1 TO 4 semester hours

**ECON 3999 Independent Studies**

0 TO 4 semester hours

**ECON 4100 Intermediate Microeconomics II**

4 semester hours

Microeconomic theory applied to the public sector. General equilibrium theory for exchange and production economies, First Theorem of Welfare Economics, public goods, Samuelson condition, externalities and policy remedies, information theory and social insurance, intertemporal choice, uncertainty, cost-benefit analysis, welfare economics and income redistribution.

Prerequisite: ECON 3100 with a grade of at least C-.

**ECON 4120 Economics and Ethics**

4 semester hours

Economics and Ethics examines the roles and effects of ethics on economic analysis, behavior, and institutions. These issues arise, for example, in matters of charity, labor markets, and taxation. This course treats both descriptive and prescriptive theories as well as evidence on ethics from behavioral and experimental economics. It covers standard philosophical theories and connects them to empirical evidence and real world decision-making.

Prerequisite: ECON 3100 with a grade of at least C-.

University Core fulfilled: Integrations: Ethics and Justice.

**ECON 4140 Game Theory**

4 semester hours

Game Theory is the study of strategic interaction. This course will focus on analyzing these interactions and predicting equilibrium outcomes. Topics to be covered include utility theory, rationality, simultaneous and sequential move games, Nash equilibrium, backward induction, repeated games, and games of incomplete information.

Prerequisite: ECON 3100 with a grade of at least C-.

**ECON 4160 Environmental Economics**

4 semester hours

Environmental Economics deals with the use of society's scarce environmental resources. Economic theory and analysis are applied to various environmental issues, including pollution, sustainable development, clean air, and quality of life.

Prerequisite: ECON 3100 with a grade of at least C-.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ECON 4340 Experimental and Behavioral Economics**

4 semester hours

Experimental methods of research in economics. Basic experimental concepts, induced value theory, individual decisions, game theory, market experiments, auctions, bargaining, public choice.

Prerequisite: ECON 3100 and ECON 3300, both with a grade of at least C-.

University Core fulfilled: Flag: Oral Skills.

**ECON 4500 Industrial Organization**

4 semester hours

Analysis of firm behavior. Classical models of perfect competition, monopoly and oligopoly. Game theory including dominant strategy, Nash and subgame perfect equilibrium. Price discrimination, antitrust policy and regulation.

Prerequisite: ECON 3100 with a grade of at least C-.

**ECON 4520 Political Economy**

4 semester hours

The elections, institutions, and actors that determine important policy outcomes. The inefficient outcomes arise and the lessons that

can be learned from those failures of voters and institutions. Half the class will focus on the United States, and the other half will consider these issues in a comparative perspective.

Prerequisite: ECON 3100 with a grade of at least C-.

**ECON 4540 Labor Economics**

4 semester hours

Modern theories of market and non-market behavior relating to issues of labor and the determination of wages, salaries, and perquisites. Empirical evidence and public policy considerations are always relevant. Topics may include: education, poverty, discrimination, internal job ladders and management systems, collective bargaining, and unemployment.

Prerequisites: ECON 3100 and ECON 3300, both with a grade of at least C-.

**ECON 4560 Law and Economics**

4 semester hours

This course will explore the field of law and economics. We will use standard microeconomic tools to examine torts, contracts, and property law, as well as the theory and empirical evidence on criminal behavior.

Prerequisites: ECON 3100 and ECON 3300, both with a grade of at least C-.

University Core fulfilled: Integrations: Interdisciplinary Connections;

Flag: Quantitative Reasoning.

**ECON 4580 Health Economics**

4 semester hours

Access to quality health care remains an important public health problem for a significant part of the population. This course examines the theoretical and empirical analyses of major topics in health care economics, such as the production of health, demand for medical care and health insurance, the physician-firm, the hospital market, and government provided health care.

Prerequisite: ECON 3100 with a grade of at least C-.

**ECON 4740 Economic Development**

4 semester hours

This course is about global poverty, with a focus on the market failures that often characterize countries in the developing world and the solutions that countries have adopted to deal with these failures. We will explore how missing or incomplete markets for land, insurance, and credit give rise to the institutions that we see in developing countries, particularly in rural areas. Evidence about important policy debates, such as the role of industrialized countries in the development process, will be discussed in detail.

Prerequisite: ECON 3100 with a grade of at least C-.

University Core fulfilled: Flag: Oral Skills.

**ECON 4900 Senior Assessment**

0 semester hours

Assessment of student learning outcomes in the field of economics. Includes a written comprehensive examination, a senior exit interview, and possible additional Department evaluation. ECON 4900 is required of all economics majors who will have completed 100 hours or more by the end of the Spring semester.

Credit/No Credit grading only.

Economics majors only.

Prerequisite: Registered to complete 100 hours or more by the end of the semester in which it is taken.

**ECON 4998 Special Studies**

1 TO 4 semester hours

**ECON 4999 Independent Studies**

1 TO 4 semester hours

**ECON 5300 Mathematics for Economics**

4 semester hours

Absolutely necessary for those continuing to graduate school and required for those pursuing the B.S. degree in economics. Review of fundamental mathematical concepts and logic. Treatment of linear algebra, univariate and multivariate calculus, real analysis, and unconstrained and constrained optimization. Applications of mathematical techniques to typical problems in microeconomics and macroeconomics.

Offered only in the Fall semester.

Prerequisites: ECON 3100 with a grade of at least C- and MATH 131 (or equivalent) with a grade of at least C. Recommended: MATH 132 (or equivalent).

**ECON 5320 Advanced Econometrics**

4 semester hours

This branch of economics uses mathematical and statistical tools to analyze economic phenomena. Mathematical formulation, establishment of hypotheses, model construction, data collection, and statistical estimation and inference.

Required for the B.S. degree in Economics.

Offered only in the Spring semester.

Prerequisite: ECON 5300 (or MATH 250).

University Core fulfilled: Flag: Quantitative Reasoning.

**ECON 5900 Senior Seminar**

4 semester hours

Course introduces fundamentals of research, discusses original literature, and assists in research and writing of a substantive independent research project. Strongly recommended for those considering graduate school.

Senior Economics majors only.

Prerequisites: ECON 3100, ECON 3200, and ECON 3300, all with a grade of at least B-. ECON 5300 and ECON 5320 strongly recommended.

Consent of instructor required.

Writing approval of research proposal by Department faculty member (with prior permission, by faculty member outside Department)—formal research proposal requirements can be obtained from the Department.

University Core fulfilled: Flag: Writing.

**ECON 5998 Special Studies**

1 TO 4 semester hours

**ECON 5999 Independent Studies**

1 TO 4 semester hours

**Clinical Education (EDCE)****EDCE 410 Elementary Directed Teaching**

9 TO 12 semester hours

Full-time supervised teaching in two culturally diverse public elementary schools; seminar sessions held throughout the semester, which include instruction in art, music, and physical education.

Credit/No Credit grading.

Admission by special approval.

**EDCE 412 Secondary Directed Teaching**

9 TO 12 semester hours

Full-time supervised teaching in one culturally diverse public middle and/or high school; seminar sessions held throughout the semester support the student in successfully completing his or her teaching.

Credit/No Credit grading.

Special approval required.

**EDCE 456 Directed Teaching with Culturally and Linguistically Diverse Students with Mild/Moderate Disabilities**

6 semester hours

Actual teaching experience with culturally and linguistically diverse students with mild/moderate disabilities. Must have completed prerequisite and professional coursework in Special Education and be approved by the Coordinator of Fieldwork the semester prior to enrolling.

Credit/No Credit grading.

Special approval required.

Corequisite: EDCE 459.

**EDCE 459 Student Teaching Seminar**

3 semester hours

Students take this course in conjunction with EDCE 456 Directed Teaching with Culturally and Linguistically Diverse Students with Mild/Moderate Disabilities.

Credit/No Credit grading.

Special approval required.

Corequisite: EDCE 456.

**EDCE 461 Teaching Performance Assessment 1**

0 semester hours

Students enrolled in the course will complete Task 1 of the Teaching Performance Assessment.

Fee required.

Special approval required.

**EDCE 462 Teaching Performance Assessment 2**

0 semester hours

Students enrolled in the course will complete Task 2 of the Teaching Performance Assessment.

Fee required.

Special approval required.

**EDCE 463 Teaching Performance Assessment 3**

0 semester hours

Students enrolled in the course will complete Task 3 of the Teaching Performance Assessment.

Fee required.

Prerequisites: EDCE 461 and EDCE 462.

Concurrent enrollment with EDCE 410 or EDCE 412 required.

**EDCE 464 Teaching Performance Assessment 4**

0 semester hours

Students enrolled in the course will complete Task 4 of the Teaching Performance Assessment.

Fee required.

Prerequisites: EDCE 461 and EDCE 462.

Concurrent enrollment with EDCE 410 or EDCE 412 required.

**EDCE 498 Special Studies**

1 TO 3 semester hours

**EDCE 499 Independent Studies**

1 TO 3 semester hours

**EDCE 5051 Urban Education Field Experience 1**

2 semester hours

This fieldwork course is intended to provide support for classroom instructional practice for Urban Education credential candidates who are employed as full-time teachers. The sequence of field experiences includes a broad spectrum of interactions with diverse populations and communities. These experiences are age and/or grade appropriate to the areas of service authorized by the credential. Each candidate participates in and reflects on a variety of activities representing different roles of beginning educators. Fieldwork is a critical component of the teacher candidate's

preparation, linking theory to practice and rooted in the LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements. Candidates will also be expected to demonstrate competencies tied to content classes during the field experience. Candidates will be evaluated by both LMU and qualified district employed personnel. Candidates will be prepared for the edTPA.  
Credit/No Credit grading.

### **EDCE 5052 Urban Education Field Experience 2**

*2 semester hours*

This fieldwork course is a continuation of Field Experience 1 as it provides continual support for classroom instructional practice for Urban Education credential candidates who are employed as full-time teachers. Teachers will be required to continually demonstrate professional competencies as outlined by LMU Conceptual Framework and informed by the California Commission on Teacher Credentialing requirements. Candidates will be evaluated by both LMU and qualified district employed personnel as in the Field Experience 1. Candidates will be prepared for the national Teaching Performance Assessment, the edTPA. They will participate in online modules to ensure their preparedness and the successful submission of their portfolio.

Prerequisite: EDCE 5051.

Credit/No Credit grading.

### **EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy**

*0 semester hours*

Students enrolled in this course will complete Task 1 of the Teaching Performance Assessment.

Fee required.

Credit/No Credit grading.

Special approval required.

### **EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction**

*0 semester hours*

Students enrolled in this course will complete Task 2 of the Teaching Performance Assessment.

Fee required.

Credit/No Credit grading.

Special approval required.

### **EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning**

*0 semester hours*

Students enrolled in this course will complete Task 3 of the Teaching Performance Assessment.

Fee required.

Credit/No Credit grading.

Special approval required.

Prerequisites: EDCE 5950 and EDCE 5951.

### **EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience**

*0 semester hours*

Students enrolled in this course will complete Task 4 of the Teaching Performance Assessment.

Fee required.

Credit/No Credit grading.

Special approval required.

Prerequisites: EDCE 5950, EDCE 5951, and EDCE 5952.

### **EDCE 5961 Early Childhood Fieldwork 1**

*1 semester hour*

### **EDCE 5962 Early Childhood Fieldwork 2**

*1 semester hour*

### **EDCE 5963 Early Childhood Fieldwork 3**

*1 semester hour*

### **EDCE 5970 Fieldwork 1**

*1 semester hour*

This course is designed to enhance the field experiences of teacher practitioners/interns through reflective experiences, supervised teaching, and collaboration between the candidates, university personnel, and the mentor teacher. The course is designed around the needs of the candidates.

Credit/No Credit grading.

Interns and Teacher Practitioners only.

Special approval required.

### **EDCE 5971 Fieldwork 2**

*1 semester hour*

This course is a continuation of Fieldwork 1.

Credit/No Credit grading.

Interns and Teacher Practitioners only.

Special approval required.

Prerequisite: EDCE 5970.

### **EDCE 5972 Fieldwork 3**

*1 semester hour*

This course is a continuation of Fieldwork 2.

Credit/No Credit grading.

Interns and Teacher Practitioners only.

Special approval required.

Prerequisites: EDCE 5970 and EDCE 5971.

### **EDCE 5973 Fieldwork 4**

*1 semester hour*

This course is a continuation of Fieldwork 3.

Credit/No Credit grading.

Interns and Teacher Practitioners only.

Special approval required.

Prerequisites: EDCE 5970, EDCE 5971, and EDCE 5972.

### **EDCE 5974 Fieldwork Support**

*1 TO 3 semester hours*

This course is offered as additional fieldwork support.

Credit/No Credit grading.

Intern and Teacher Practitioners only.

Special approval required.

Prerequisite: EDCE 5970 or EDCE 5971 or EDCE 5972 or EDCE 5973.

### **EDCE 5976 Elementary Directed Teaching**

*6 TO 9 semester hours*

Full-time supervised teaching in two culturally diverse public elementary schools. Supervision by master teacher and university supervisor while working with individuals, small groups, and the entire class. Development of classroom management and teaching strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit grading.

Special approval required.

### **EDCE 5977 Secondary Directed Teaching**

*6 TO 9 semester hours*

Full-time supervised teaching in one culturally diverse public middle or high school. Supervision by master teacher and university supervisor while working with individuals, small groups, and the entire class. Development of classroom management and teaching strategies that foster academic achievement in all content areas for all students. Attendance at weekly seminar is required.

Credit/No Credit grading.  
Special approval required.

**EDCE 5978 Directed Teaching with Students with Mild/Moderate Disabilities**

*6 semester hours*

Teaching experience with culturally and linguistically diverse students with Mild/Moderate disabilities. Seminar required.

Lab fee required.

Credit/No Credit grading.

Special approval required.

**EDCE 5981 Special Education Clinical Supervision I**

*2 TO 3 semester hours*

This course, offered in a seminar format, is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that revolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, University personnel, and the mentor teacher. This course is designed around the needs of the candidates and meets on a monthly basis. Candidate may request lower unit count (2 semester hours) only if candidate has a prior earned and valid teaching credential.

Credit/No Credit grading.

Interns and Teacher Practitioners only.

Special approval required.

**EDCE 5982 Special Education Clinical Supervision II**

*2 TO 3 semester hours*

Candidate may request lower unit count (2 semester hours) only if candidate has a prior earned and valid teaching credential. This is a continuation of EDCE 5981.

Credit/No Credit grading.

Interns and Teacher Practitioners only.

Special approval required.

Prerequisite: EDCE 5981.

**EDCE 5983 Special Education Fieldwork and Seminar 3**

*1 semester hour*

This course is a continuation of EDCE 5982.

Credit/No Credit grading.

Interns and Teacher Practitioners only.

Special approval required.

Prerequisites: EDCE 5981 and EDCE 5982.

**EDCE 5984 Special Education Fieldwork and Seminar 4**

*2 semester hours*

This course is a continuation of EDCE 5983, offered in a seminar format, and is designed to enhance the field experiences of teacher practitioners/interns through reflective discussions that evolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates, University personnel, and the mentor teacher. This course is designed around the needs of the candidates and meets on a weekly basis.

Credit/No Credit grading.

Interns and Teacher Practitioners only.

Special approval required.

Prerequisites: EDCE 5981, EDCE 5982, and EDCE 5983.

**EDCE 5998 Special Studies**

*1 TO 3 semester hours*

**EDCE 5999 Independent Studies**

*1 TO 3 semester hours*

**EDCE 6955 Master's Thesis I**

*1 semester hour*

This course is intended for students working on a master's thesis.

The committee chair provides ongoing support for the master's thesis.

Credit/No Credit grading.

**EDCE 6956 Master's Thesis II**

*1 semester hour*

A continuation of Master's Thesis I for students who have not completed their master's thesis.

Credit/No Credit grading.

Special approval required.

**EDCE 6957 Master's Thesis III**

*1 semester hour*

A continuation of Master's Thesis II for students who have not completed their master's thesis.

Credit/No Credit grading.

Special approval required.

**EDCE 6965 Action Research Fieldwork Support Course I**

*1 semester hour*

This is a field experience course that supports a group of Professional 2042 Clear candidates within the following framework: the candidate will meet weekly with a University Support Provider who will guide the candidate through the individual induction plan process. This process includes individual assessment, observations, conversations, portfolio development and support in the areas designated by the individual induction plan. A small group will meet four times during the semester with the University Support Provider. These meetings are in addition to any feedback sessions that are held between the University Support Provider and candidate. The fifth year University Support Providers will be in contact with the professors who teach the integrated advanced course work to support the collaboration model. Candidates are required to demonstrate competency in the area of the California Standards for the Teacher Profession (CSTP) related to the integrated courses they are currently attending. In order for candidates to receive credit in this course, they must demonstrate competency in the CSTPs and Professional 2042 Clear standards through a portfolio presentation.

Credit/No Credit grading.

**EDCE 6966 Action Research Fieldwork Support II**

*1 semester hour*

This is the continuation of EDCE 6965, a course that supports a group of Professional 2042 Clear candidates within the following framework: the candidate will meet weekly with a University Support Provider who will guide the candidate through the individual induction plan process. This process includes individual assessment, observations, conversations, portfolio development and support in the areas designated by the individual induction plan. A small group will meet four times during the semester with the University Support Provider. These meetings are in addition to any feedback sessions that are held between the University Support Provider and candidate. The fifth year University Support Providers will be in contact with the professors who teach the integrated advanced course work to support the collaboration model. Candidates are required to demonstrate competency in the area of the California Standards for the Teacher Profession (CSTP) related to the integrated courses they are currently attending. In order for candidates to receive credit in this course, they must demonstrate competency in the CSTPs and Professional 2042 Clear standards through a portfolio presentation.

Credit/No Credit grading.

Prerequisite: EDCE 6965.

**EDCE 6995 Comprehensive Examination**

*0 semester hours*

The Comprehensive Examination is usually taken during, or

immediately following, the last semester of coursework completion. It may be a written and/or oral examination. Candidates should register for the specific section required for their program. Fee required.  
Credit/No Credit grading.  
Special approval required.

**EDCE 6998 Special Studies**  
*1 TO 3 semester hours*

**EDCE 6999 Independent Studies**  
*1 TO 3 semester hours*

**Elementary and Secondary Education (EDES)**

**EDES 401 Applied Educational Psychology for the Childhood and Adolescent Years**  
*3 semester hours*

A study of the learning environment, the evaluation of learning, and the teaching/learning process. An analysis of the physical, intellectual, emotional, cultural, and ethnic factors affecting development, learning, and behavior. This course is a prerequisite for acceptance into the Multiple and Single Subject Credential Program. Emphasis is placed on implications for teaching and learning in the primary, elementary, middle, and senior high schools. Fieldwork is required.  
Sophomore or higher standing required.

**EDES 402 Teaching Reading in Today's Elementary Classrooms**  
*3 semester hours*

This course is designed to provide opportunities to prospective teachers to develop their understanding and ability to teach reading to all students in the elementary grades. Particular emphasis will be placed on strategies which will accommodate culturally and linguistically diverse learners. Consideration is given to the procedures, skills development, organizations, systems of instruction and instructional materials utilized in the development of an effective, balanced and integrated approach to reading instruction in the elementary school that supports literacy development.

**EDES 403 Reading and Content Learning in Middle and Secondary Schools**  
*3 semester hours*

This course is designed to provide opportunities for prospective teachers to develop understanding of the nature of the reading process in grades 7-12. Emphasis is placed on the role of subject-matter teachers in the overall school reading program. Provides training in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse learners. Special approval required.

**EDES 405 Infancy**  
*3 semester hours*

This course focuses on the first three years of life. It is designed to provide a broad overview of prenatal, infant, and toddler development. Students will advance their understanding of empirical research, application of theory, and analysis. Specifically, theoretical frameworks and contemporary research that have advanced knowledge of infant and toddler development (prenatal to 3 years of age) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones as they are manifested by infants and toddlers as well as be introduced to specific disorders and delays associated with early childhood development. Students will explore the environmental influences on development such as parenting, poverty, second language acquisition, disability, and policy. Field experience will be required.

**EDES 406 Early Childhood**  
*3 semester hours*

This course focuses on theoretical frameworks and contemporary research that have advanced knowledge of the preschool period (ages 2-8 years) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones exhibited by preschoolers. Students will explore the environmental influences on development such as peer relationships, early childhood education experiences, parenting, socialization, poverty, second language acquisition, disability, prejudice, and policy. Research findings and methods will be utilized to study the transition to formal education and literacy development. Field experience will be required.

**EDES 407 Child, Family, and Community**  
*3 semester hours*

Students will analyze and interpret current social, cultural, institutional, and psychological factors that influence parents and children including: support systems, family structures, lifestyles, communication, attachment, personality, divorce, single parenting, socioeconomic status, prejudice and discrimination, public policies, physical and mental illness/disability, maltreatment, educational settings, and the media. Core developmental theories and related research findings will be analyzed and explored as they apply to today's world.

**EDES 408 Early Childhood Education Programs and Curriculum**  
*3 semester hours*

Students will examine the history of early childhood education as well as contemporary program design and philosophy. An analysis of the impact of public policy in the United States on the ECE field will demonstrate the links between government and the family. Students will gain an understanding of implementing philosophy through environmental space planning, program policies, and curriculum design. Developmentally appropriate practice will be analyzed across all groups of children including those with special needs and second language learners. Students will be able to identify multicultural and anti-bias curriculum as well as advance their cultural competence. Field experience will be required.

**EDES 414 Theories and Policies of Second Language Acquisition**  
*3 semester hours*

Course content includes theoretical perspectives in first and second language learning, language teaching methodologies, assessment, identification, and program placement for English Language learners. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education models; and the role of parents and paraprofessionals in English language development. Sophomore or higher standing is required.  
University Core fulfilled: Flags: Information Literacy, Writing.

**EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting**  
*3 semester hours*

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content area instruction. Fluency and literacy in Spanish is required. This course is required for the Bilingual Authorization.  
Special approval required.  
Prerequisite: EDES 414.

**EDES 418 Bilingualism and Biliteracy**

*3 semester hours*

This course focuses on the assessment and implications of the continuum of biliteracy development through analysis of case studies. Research on the complexity of factors that impact biliteracy development for preschool through adolescence students will be discussed. Fluency and literacy in Spanish is required. This course is a requirement of the Bilingual Authorization.

Special approval required.

Prerequisite: EDES 414.

### **EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective**

*3 semester hours*

This course presents a cultural analysis of the diversity within Chicano/Latino groups, particularly as represented in educational settings. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Spanish and English. This course is a requirement of the Bilingual Authorization.

Special approval required.

### **EDES 425 Methods in English Language Development and Specially Designed Academic Instruction in English for Elementary Educators**

*3 semester hours*

The goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs), ELLs with an Individualized Education Plan (IEP), Individualized Services Plan (ISP), or Section 504 plan in elementary classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, and that logically progresses to the grade level reading/language arts program for English speakers. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards. This practical course requires the classroom implementation of various activities throughout the semester. Fieldwork hours are required.

Special approval required.

### **EDES 426 Methods in English Language Development and Specially Designed Academic Instruction in English for Secondary Educators**

*3 semester hours*

The goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs), ELLs with an Individualized Education Plan (IEP), Individualized Services Plan (ISP), or Section 504 plan in secondary classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, and that logically progresses to the grade level reading/language arts program for English speakers. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards. This practical course requires the classroom implementation of various activities throughout the semester. Fieldwork hours are required.

Special approval required.

### **EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings**

*3 semester hours*

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content and instruction. Fluency and literacy in Mandarin Chinese is required.

Special approval required.

### **EDES 431 American/Chinese/Chinese American Cultures: An Interdisciplinary Perspective**

*3 semester hours*

This course presents a cultural analysis of the diversity within Chinese/American/American Chinese groups, particularly as represented in educational setting. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups.

Special approval required.

### **EDES 434 Elementary Curriculum and Methods**

*3 semester hours*

Designed to provide opportunities for prospective teachers to develop professional knowledge and competence for teaching history/social science, mathematics, and science in kindergarten and grades 1 through 12, this course will deal with purpose, content, procedures and organization, and instruction in those curricular areas as prescribed by the California State adopted frameworks and academic content standards. This course focuses on instructional methods and classroom management for the elementary classroom. Students should acquire skills in classroom discipline, creation of lesson plans, utilizing a variety of instructional and evaluation methods, and classroom teaching. Course shall include all state-mandated content areas including culturally and linguistically diverse teaching techniques/methods for history/social science, mathematics, and science. A fieldwork component will be required.

Special approval required.

### **EDES 484 Methods in Teaching Secondary Languages Other Than English**

*3 semester hours*

This class will address the communicative approach to instruction in languages other than English. Major themes to include: proficiency-based instruction, the competency-based classroom/curriculum, critical issues in the reception and the production stages of second language acquisition, strategies to support and achieve these goals.

Special approval required.

### **EDES 485 Methods in Teaching Secondary Social Studies**

*3 semester hours*

This course is designed to provide opportunities for prospective teachers to observe, develop, and practice a variety of methods to create positive learning environments, effective discipline, and traditional and alternative assessments. Emphasis is placed on strategies to include and challenge students with widely ranging linguistic and academic abilities, diverse learning styles, and varying cultural backgrounds. Methods and content are closely tied to the California State History—Social Science Framework for grades 6-12. A field experience component will be required.

Special approval required.

### **EDES 486 Methods in Teaching Secondary English**

*3 semester hours*

This course addresses the concerns and needs of future English teachers. Major areas covered include developing a multicultural curriculum for all students, creating lesson plans, examining meaning making strategies for reading, instructing the writing process, teaching grammar in context, looking at methods of

authentic classroom assessment, and building classroom portfolios. Methods and content are closely tied to the California Common Core State Standards for grades 6-12. A field experience component will be required.  
Special approval required.

### **EDES 487 Methods in Teaching Secondary Science**

*3 semester hours*

This course prepares secondary science teaching candidates to teach science using an inquiry approach as described in the *National Science Education Standards* (National Research Council, 1996, 2000) by integrating the three dimensions of *A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas* (National Research Council, 2012), in an effort to meet the student's performance expectations outlined in *The Next Generation Science Standards (NGSS)* (National Research Council, 2013). Methods for long- and short-range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for their students. A field experience component will be required.  
Special approval required.

### **EDES 488 Methods in Teaching Secondary Math**

*3 semester hours*

This course prepares candidates to teach mathematics using a balanced approach, including computational and procedural skills, conceptual understanding, and problem solving/inquiry, outlined in the California Mathematics Framework, National Common Core State Standards (CCSS); Mathematical Practice Standards (MP), and Smarter Balanced Assessment Consortium (SBAC). Methods for long- and short-range planning, unit plan design, and creation of authentic assessments are woven in to support teachers in creating effective learning environments for their students. A field experience component will be required.  
Special approval required.

### **EDES 498 Special Studies**

*1 TO 3 semester hours*

### **EDES 499 Independent Studies**

*1 TO 3 semester hours*

### **EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years**

*3 semester hours*

A study of the learning environment, the evaluation of learning and the teaching/learning process. An analysis of the physical, intellectual, emotional, cultural, and ethnic factors affecting development, learning, and behavior. This course is a prerequisite for acceptance into the Multiple Subject Credential Program. Emphasis is placed on implications for teaching and learning in the primary and elementary grades.  
Fieldwork is required.  
Special approval required.

### **EDES 5003 Theories and Policies of Second Language Acquisition**

*3 semester hours*

Course content includes theoretical perspectives in first and second language acquisition, language teaching methodologies, assessment, identification, and program placement for English Language Learners. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education; federal, state, and local legislation; bilingual education models; and the role of parents and paraprofessionals in English language development and instructional programs for linguistic minorities. Fieldwork is required.  
Special approval required.

### **EDES 5200 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary Educators**

*3 semester hours*

Goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs), ELLs with an Individualized Education Plan (IEP), Individualized Services Plan (ISP) or Section 504 plan in all elementary classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, and that logically progresses to the grade level reading/language arts program for English speakers. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards. This practical course requires the classroom implementation of various activities throughout the semester.  
Fieldwork hours are required.  
Special approval required.  
Prerequisite: EDES 5003.

### **EDES 5250 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Secondary Educators**

*3 semester hours*

Goals of this course include providing students with opportunities to acquire knowledge, skills, and abilities to deliver comprehensible instruction to English Language Learners (ELLs), ELLs with an Individualized Education Plan (IEP), Individualized Services Plan (ISP) or Section 504 plan in all secondary classroom settings. Students will learn how to implement an instructional program that facilitates English language acquisition and development, including receptive and productive language skills, and that logically progresses to the grade level reading/language arts program for English speakers. Additionally, students will acquire and demonstrate the ability to utilize assessment information to diagnose students' language abilities and develop lessons promoting students' access and achievement in relation to state-adopted academic standards. This practical course requires the classroom implementation of various activities throughout the semester.  
Fieldwork hours are required.  
Special approval required.  
Prerequisite: EDES 5003.

### **EDES 5251 Methods in Teaching Secondary Languages Other Than English**

*3 semester hours*

This class will address the communicative approach to language instruction. Major themes include: proficiency-based instruction; the competency-based classroom/curriculum; critical issues in the reception and the production stages of second language acquisition; strategies to support and achieve these goals.  
Special approval required.

### **EDES 5252 Methods in Teaching Secondary Social Studies**

*3 semester hours*

This course is designed to provide opportunities for prospective teachers to observe, develop, and practice a variety of methods to create positive learning environments, effective discipline, and traditional and alternative assessments. Emphasis is placed on strategies to include and challenge students with widely ranging linguistic and academic abilities, diverse learning styles, and varying cultural backgrounds. Methods and content are closely tied to the California State Framework for grades 6-12. A fieldwork component will be required.  
Special approval required.

**EDES 5253 Methods in Teaching Secondary English**

3 semester hours

This course addresses the concerns and needs of future English teachers. Major areas covered include developing a multicultural curriculum for all students, creating lesson plans, examining meaning, making strategies for reading, instructing the writing process, teaching grammar in context, looking at methods of authentic classroom assessment, and building classroom portfolios. Methods and content are closely tied to the California Common Core State Standards for grades 6-12. A field experience component will be required.

Special approval required.

**EDES 5254 Methods in Teaching Secondary Science**

3 semester hours

This course prepares secondary science teaching candidates to teach science using an inquiry approach as described in the *National Science Education Standards* (National Research Council, 1996, 2000) by integrating the three dimensions of *A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas* (National Research Council, 2012), in an effort to meet the student's performance expectations outlined in *The Next Generation Science Standards (NGSS)* (National Research Council, 2013). Methods for long- and short-range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for their students. A fieldwork component will be required.

Special approval required.

**EDES 5255 Methods in Teaching Secondary Math**

3 semester hours

This course prepares candidates to teach mathematics using a balanced approach, including computational and procedural skills, conceptual understanding, and problem solving/inquiry, outlined in the California Mathematics Framework, National Common Core State Standards (CCSS), Mathematical Practice Standards (MP), and Smarter Balanced Assessment Consortium (SBAC). Methods for long- and short-range planning, unit plan design, and creation of authentic assessments are woven in to support teachers in creating effective learning environments for their students. A fieldwork component will be required.

Special approval required.

**EDES 5256 Methods in Teaching Secondary Art**

3 semester hours

This course is designed to provide opportunities for prospective secondary art educators to critically examine the theoretical, historical, psychological, sociological, and practical applications of art education. Projects will involve the development, implementation, and assessment of a successful and socially responsible art education curriculum. A field experience component will be required.

Special approval required.

**EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective**

3 semester hours

This course presents a cultural analysis of the diversity within Chicano/Latino groups, particularly as represented in educational settings. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups. This class is conducted bilingually in Spanish and English. This course is a requirement of the Bilingual Authorization.

Special approval required.

**EDES 5324 Bilingualism and Biliteracy**

3 semester hours

This course focuses on the assessment and implications of the

continuum of biliteracy development through analysis of case studies. Research on the complexity of factors that impact biliteracy development for preschool through adolescence students will be discussed.

Special approval required.

**EDES 5325 Curriculum and Instructional Leadership in a Bilingual Setting**

3 semester hours

Theory and application of curriculum development to bilingual instructional programs. These include design, organizational patterns and resources, materials and media, change strategies, and evaluation.

Special approval required.

**EDES 5330 Chinese/American/American Chinese Cultures: An Interdisciplinary Perspective**

3 semester hours

This course presents a cultural analysis of the diversity within Chinese/American/American Chinese groups, particularly as represented in educational settings. Historical, political, and social issues will be addressed, including communicative styles, dialectical differences, and cross-cultural interactions between cultural and linguistic groups.

Special approval required.

**EDES 5400 Developmental Theories**

3 semester hours

Students will critically analyze core theories regarding the historical and philosophical roots of developmental science. Students will also evaluate contemporary theories of child development. Students will connect research findings and empirical methods with theory and practice.

Special approval required.

**EDES 5401 Infancy**

3 semester hours

This course focuses on the first three years of life. It is designed to provide a broad overview of prenatal, infant, and toddler development. Students will advance their understanding of empirical research, application of theory, and analysis. Specifically, theoretical frameworks and contemporary research that have advanced knowledge of infant and toddler development (prenatal to 3 years of age) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones as they are manifested by infants and toddlers as well as be introduced to specific disorders and delays associated with early childhood development. Students will explore the environmental influences on development such as parenting, poverty, second language acquisition, disability, and policy. Field experience will be required.

Special approval required.

**EDES 5402 Early Childhood**

3 semester hours

This course focuses on theoretical frameworks and contemporary research that have advanced knowledge of the preschool period (ages 2-8 years) will be examined and analyzed. Students will be able to demonstrate knowledge of developmental milestones exhibited by preschoolers. Students will explore the environmental influences on development such as peer relationships, early childhood education experiences, parenting, socialization, poverty, second language acquisition, disability, prejudice, and policy. Research findings and methods will be utilized to study the transition to formal education and literacy development. Field experience will be required.

Special approval required.

**EDES 5403 Cognition and Language**

### *3 semester hours*

Students will analyze core cognitive theories in-depth, including an understanding of how these theories developed and related historical and contemporary research findings. Students will also examine core theoretical issues related to language and demonstrate knowledge of how the components of language are learned. Students will also be introduced to specific disorders and delays associated with cognition and language and gain knowledge in the identification and treatment for children with special needs. Additionally, students will examine the development of bilingual children and the needs of second language learners in education. Special approval required.

### **EDES 5404 Child, Family, and Community**

#### *3 semester hours*

Students will analyze and interpret current social, cultural, institutional, and psychological factors that influence parents and children including: support systems, family structures, lifestyles, communication, attachment, personality, divorce, single parenting, socioeconomic status, prejudice and discrimination, public policies, physical and mental illness/disability, maltreatment, educational settings, and the media. Core developmental theories and related research findings will be analyzed and explored as they apply to today's world. Special approval required.

### **EDES 5405 Early Childhood Education Programs and Curriculum**

#### *3 semester hours*

Students will examine the history of early childhood education as well as contemporary program design and philosophy. An analysis of the impact of public policy in the United States on the ECE field will demonstrate the links between government and the family. Students will gain an understanding of implementing philosophy through environmental space planning, program policies, and curriculum design. Developmentally appropriate practice will be analyzed across all groups of children including those with special needs and second language learners. Students will be able to identify multicultural and anti-bias curriculum as well as advance their cultural competence. Field experience will be required. Special approval required.

### **EDES 5406 Social and Emotional Development**

#### *3 semester hours*

Core theories of social and emotional development will be critically analyzed and applied in the contemporary world as well as recent research findings. Students will demonstrate knowledge in core components of social development including self-concept, identity, temperament, personality behavior, peer relationships, parent-child relationships, socialization, social competence, and environmental influences such as childcare, schools, communities, culture, and the media. Students will demonstrate knowledge in core components of emotional development including attachment, identification of feelings, emotional regulation, risk and resiliency. Field experience will be required. Special approval required.

### **EDES 5407 Research Methods and Early Childhood Assessment**

#### *3 semester hours*

Students will gain knowledge in planning and conducting research as well as further advance their written communication skills. Students will critically evaluate published research. Students will use and apply various observation techniques such as narrative records, running records, time sampling, and event sampling to the understanding of child behavior and developmental processes. Students will demonstrate data analysis skills. Students will gain knowledge in the assessment of both typical and atypical

development. Students will explore issues of professional ethics related to working with parents and teachers when special needs in children are identified and require intervention. Field experience will be required.

Special approval required.

### **EDES 5408 Early Childhood Education Program Administration**

#### *3 semester hours*

The focus of this course is to provide an overview of the knowledge and skills necessary to develop and administer an early care and education facility. Instruction will examine the management, supervision, and leadership of early childhood programs that serve children from infancy through age eight within the framework of planning, implementing, and evaluating programs of various sponsorship and purpose. Topics of special consideration will include: leadership and staff management, enrollment and public relations, program philosophy and curriculum, ethics, physical facilities, finance and budget, family and community relations, government/state licensing regulations, program evaluation and accreditation systems, environmental space planning, health and safety issues, in addition to other relevant administrative topics. Moreover, this course covers the history and goals of early childhood education, including laws governing early childhood centers and illustrating how historical and contemporary societal pressures influence early care and education programs with a focus on administrative issues. Fieldwork experience will be required. Special approval required.

### **EDES 5964 Leadership and Clinical Practice**

#### *2 semester hours*

This course is designed to enhance the field experience of teacher practitioners/interns through reflective discussions that evolve around events in content classes and field experiences, supervised teaching, and collaboration between the candidates and university personnel. The course is customized around the early childhood interests of the candidates. Credit/No Credit grading. Special approval required.

### **EDES 5998 Special Studies**

#### *1 TO 3 semester hours*

### **EDES 5999 Independent Studies**

#### *1 TO 3 semester hours*

### **EDES 6001 Theory and Applications in Developmental Reading Instruction**

#### *3 semester hours*

This graduate course considers linguistic, physiological, psychological, and cultural concerns, which address the literacy needs of all learners, which include differentiated instruction, Response to Intervention, and literacy techniques for English Language Learners. Approaches, methods, processes, and techniques for teaching literacy skills in grades PK-12 are discussed.

### **EDES 6002 Assessing the Reading Performance of Struggling Readers**

#### *3 semester hours*

Principles of assessment, evaluation, and prognostic procedures in reading. Use of effective formal and informal assessments and evaluation instruments for all students. Communication of assessments results to stakeholders; alignment of assessment with instructional programs.

### **EDES 6003 Detection and Diagnosis of Literacy Difficulties**

#### *3 semester hours*

This course is a study of the detection and diagnosis of literacy

difficulties of elementary, middle, and high school students. It includes an introduction and examination of methods and materials best suited for correcting reading deficiencies as well as techniques for promoting better reading, writing and study habits.

**EDES 6004 Looking at the Classroom Culture through a Linguistic Lens**

*3 semester hours*

This course provides opportunities to study teaching as a linguistic process for creating and maintaining classroom culture. The course emphasizes a holistic exploration of the influences of language interactions (examining language attitudes and practices through discourse analysis), language structure (phonology and phonetics, morphology and syntax), language assessment, and language/literacy development as foundations for first and second language and literacy acquisition.

**EDES 6005 Resourcing and Implementing Technology for Effective Reading**

*3 semester hours*

This course is designed to explore the impact that technology has on reading instruction. Through individual and group projects, using a variety of media, topics cover children and adolescent literature, current research, emerging trends, and practical classroom applications. Inquiry into topics such as: educational technology policies, both nationally and locally, the digital divide, gender and ethnic bias, evaluation and appropriate use of educational technologies and assistive technologies.

**EDES 6006 Literacy Curriculum and Design Implementation**

*3 semester hours*

What should students learn and experience in the classroom? Who decides the content and how it should be taught? How will we know that all students have mastered it? From antiquity to the present, human beings have clashed over these fundamental yet highly charged questions regarding the nature of curriculum. Drawing on theory and practice, past and present, this course explores answers to the above questions and looks at the direction of today's education policies and practices, especially with regard to curriculum standards, accountability, and student assessment under the 2015 Every Student Succeeds Act (ESSA).

**EDES 6007 Critical Analysis of Current Literacy Education in Urban Schools**

*3 semester hours*

In this course, candidates will engage in a critical analysis of literacy research that examines current models of the reading process and their influence on the curriculum, as well as instructional and assessment issues in reading language arts. Emphasis will be placed on the understanding of how students from a variety of socio-cultural and linguistic backgrounds learn to read.

**EDES 6008 Motivating All Readers in the Content Areas**

*3 semester hours*

This course examines the teaching of reading in and across subject matter disciplines. It will provide research-based foundational knowledge to help teachers make sound instructional decisions for struggling readers with regards to content-area reading instruction and intervention methods for middle school, high school, and adult readers in urban and under-resourced settings.

**EDES 6009 Evidence-Based Strategies in Reading for Emergent Bilingual Learners**

*3 semester hours*

This course will explore the role language differences plays in learning to read and comprehend English. Since most major urban centers in the US have a large percentage of language minority students, teachers need to be aware of evidence-based strategies

and practices that will promote and encourage learning for all children.

**EDES 6080 Advance Course 1: Special Populations, English Language Learners, Health, and Technology**

*3 semester hours*

This course integrates the advanced study of technology with the study of teaching English Learners and Special Needs students. The course will address pedagogy and equity for all students by advancing the study of, and methods for, delivering appropriate educational services to students with exceptional needs, and the study of teaching English learners which build upon, extend, and deepen candidates' subject matter and pedagogic knowledge based on their preliminary credential programs and the *California Standards for the Teaching Profession (CSTP)*. Candidates will address the areas of information literacy, the digital divide, and using technology to create lifelong learners. Health and safety issues, student wellness and resiliency, as well as classroom emergency response plans, are all addressed in the coursework to help candidates maximize learning and maintain well-managed classrooms.

Special approval required.

**EDES 6081 Advance Course 2: Special Populations, English Language Learners, Health, and Technology**

*3 semester hours*

This course integrates the advanced study of technology and the teaching of English Learners and Special Needs students. The course will address pedagogy and equity for all students by advancing the study of, and methods for, delivering appropriate educational services to student with exceptional needs, and the study of teaching English learners which build upon, extend, and deepen candidates' subject matter and pedagogic knowledge based on their preliminary credential programs and the *California Standards for the Teaching Profession (CSTP)*. Candidates will address the areas of information literacy, the digital divide, and using technology to create lifelong learners. Health and safety issues, student wellness and resiliency, as well as classroom emergency response plans, are all addressed in the coursework to help candidates maximize learning and maintain well-managed classrooms.

Special approval required.

**EDES 6103 Curriculum and Instructional Leadership**

*3 semester hours*

What should students learn and experience in the classroom? Who decides the content and how it should be taught? How will we know that all students have mastered it? From antiquity to the present, human beings have clashed over these fundamental yet highly charged questions regarding the nature of curriculum. Drawing on theory and practice, past and present, this course explores answers to the above questions and looks at the direction of today's education policies and practices, especially with regard to curriculum standards, accountability, and student assessment under No Child Left Behind.

Special approval required.

**EDES 6200 Elementary School Curriculum and Methods**

*3 semester hours*

This course focuses on instructional methods for mathematics, science, and social studies for the culturally diverse elementary classroom. Students will acquire skills in the creation of lesson plans utilizing a variety of instructional and evaluation methods, and classroom teaching. Course will include all state mandated content areas. A field experience component will be required.

Special approval required.

**EDES 6202 Teaching Reading for Today's Learners**

### *3 semester hours*

This course considers linguistic, physiological, psychological, and cultural concerns which address the literary needs of all students, including English Language Learners and students with disabilities. Course content includes evidence-based approaches to language arts/literacy instruction, assessment, differentiated instruction, Response to Intervention (RTI), literacy needs of ELLs and students with mild-moderate disabilities, as well as methods, processes, and techniques for teaching literacy skills in grades K-12. Fieldwork is required.

This course prepares candidates for the RICA.

Special approval required.

### **EDES 6203 Reading and Content Learning in Middle and Secondary Schools**

#### *3 semester hours*

This course is designed to provide opportunities for those seeking a secondary credential to develop an understanding of the nature of reading and how it impacts content area learning. Emphasis is placed on the role of subject-matter teachers in the overall school reading program. The course provides training in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse students. Fieldwork is required. Special approval required.

### **EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting**

#### *3 semester hours*

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content and instruction. Fluency and literacy in Spanish is required.

Special approval required.

Prerequisite: EDES 5003.

### **EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings**

#### *3 semester hours*

Consideration is given to current trends and social issues affecting bilingual programs including program characteristics, instructional approaches, and selection and use of primary language materials. Specific emphasis is placed on literacy/biliteracy in the primary language, with an integrated approach to content and instruction. Fluency and literacy in Mandarin Chinese is required.

Special approval required.

Prerequisite: EDES 5003.

### **EDES 6345 Literacy Fieldwork**

#### *1 TO 3 semester hours*

Supervised fieldwork experiences will focus on the direct application of classroom knowledge and training. Candidates will demonstrate their knowledge and skills in the area of literacy and will include reflective discussions focusing on the lessons observed.

Credit/No Credit grading.

Special approval required.

### **EDES 6350 Linguistics and Reading**

#### *3 semester hours*

This course provides opportunities to study teaching as a linguistic process for creating and maintaining classroom culture. The course emphasizes a holistic exploration of the influences of language interactions (examining language attitudes and practices through discourse analysis), language structure (phonology and phonetics, morphology and syntax), language assessment, and language/literacy development as foundations for first and second language and literacy acquisition.

Special approval required.

### **EDES 6351 Assessment in Reading Performance**

#### *3 semester hours*

Principles of assessment, evaluation, and prognostic procedures in reading. Use of effective formal and informal assessments and evaluation instruments for all students. Communication of assessments results to stakeholders; alignment of assessment with instructional programs.

Special approval required.

### **EDES 6352 Seminar: The Reading Professional**

#### *3 semester hours*

This course is designed to help students gain research skills and knowledge about literacy contexts, theories, practices, and the ways in which the social and cultural dimensions of literacy influence, and are influenced by, educational policies. Students will evaluate historical, educational, and social research to prepare for a final PowerPoint presentation.

Special approval required.

### **EDES 6353 Technology and Reading**

#### *3 semester hours*

This course is designed to explore the impact that technology has on reading instruction. Through individual and group projects, using a variety of media, topics cover children and adolescent literature, current research, emerging trends, and practical classroom applications. Inquiry into topics such as: educational technology policies, both notationally and locally, the digital divide, gender and ethnic bias, evaluation and appropriate use of educational technologies and assistive technologies.

Special approval required.

### **EDES 6354 Reading Development and Instruction**

#### *3 semester hours*

This graduate course considers linguistic, physiological, psychological, and cultural concerns which address the literacy needs of all learners, which include differentiated instruction, Response to Intervention (RTI), and literacy techniques for English Language Learners. Approaches, methods, processes, and techniques for teaching literacy skills in grades P-12 are discussed. This course meets the requirements for the Master's degree in Reading Instruction and is a required course for the Reading and Literacy Added Authorization.

Special approval required.

### **EDES 6355 Introduction to Reading Difficulties**

#### *3 semester hours*

This course is a study of the detection and diagnosis of literacy difficulties of elementary, middle, and high school students. It includes an introduction and examination of methods and materials best suited for correcting reading deficiencies as well as techniques for promoting better reading, writing, and study habits.

Special approval required.

Prerequisite: EDES 6202 or EDES 6354.

Corequisite: EDES 6356.

### **EDES 6356 Diagnosis and Intervention in Reading—Practicum I**

#### *3 semester hours*

This practicum includes an in-depth study of prescriptive teaching techniques. Students learn to assess and plan intervention strategies to help develop literacy skills in children who are struggling with the reading process. Included among the techniques are: specific skill and psychological tests, screening tests of vision and hearing, as well as interpreting and writing case studies.

Special approval required.

Prerequisite: EDES 6202 or EDES 6354.

Corequisite: EDES 6355.

### **EDES 6357 Diagnosis and Intervention in Reading—Practicum II**

*3 semester hours*

This course includes methods for diagnosing and providing appropriate and innovative intervention approaches for meeting the needs of students with severe reading difficulties. Candidates will gain knowledge and experience, practice skills acquired in course work, and demonstrate competency in leadership skills. Special approval required.

Prerequisite: ESES 6355 or EDES 6356.

### **EDES 6358 Research and Trends in Reading Education**

*3 semester hours*

In this course, candidates will engage in a critical analysis of literacy research that examines current models of the reading process and their influence on the curriculum, as well as instructional and assessment issues in reading language arts. Emphasis will be placed on the understanding of how students from a variety of socio-cultural and linguistic backgrounds learn to read.

Special approval required.

Prerequisite: EDES 6355 or EDES 6356.

### **EDES 6359 Field Experience—The Reading Professional**

*3 semester hours*

The purpose of the fieldwork component for the Reading Specialist Credential is two-fold. First, it provides experience in the teaching of reading in grades P-12. Secondly, it provides opportunities for candidates to experience and participate in the variety of duties associated with a leadership position in a school and/or school district.

Special approval required.

Prerequisites: EDES 6357 and EDES 6358.

### **EDES 6995 Comprehensive Examination**

*0 semester hours*

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be written and/or oral examination. Candidates should register for the specific section required for their program.

Fee required.

Credit/No Credit.

Special approval required.

### **EDES 6998 Special Studies**

*1 TO 3 semester hours*

### **EDES 6999 Independent Studies**

*1 TO 3 semester hours*

### **EDES 8000 Health Education**

*1 semester hour*

This course will introduce health concepts, skills, and behaviors important for today's students to make informed choices. Candidates will be able to gather, interpret, evaluate, and use health information and topics in their future activities as teachers. The course consists of four modules: 1) overview of the California health framework and consumer and community health resources; 2) personal health with a focus on nutrition and tobacco, drugs, and alcohol use; 3) health choices that impact communicable and chronic diseases; and 4) the role of environmental health with a focus on injury prevention and safety.

Fee required.

Credit/No Credit grading.

## **Educational Leadership (EDLA)**

### **EDLA 489 Leadership Seminar I**

*1 semester hour*

This course is designed to develop student leaders' understanding of the basic concepts of personal and group leadership development. Participants will define an issue facing student leaders and identify a theoretical framework to address the issue. The class integrates readings, written reflection, in-class exercises, and a group project.

Permission of instructor and concurrent leadership position in a student organization required.

### **EDLA 490 Leadership Seminar II**

*1 semester hour*

This course develops student leaders' understanding of the basic concepts of personal and group leadership development. Participants will apply a theoretical framework to an issue facing student leaders, create an implementation plan, and develop an evaluation process. The class integrates readings, written reflection, in-class exercises, and a group project.

Permission of instructor and concurrent leadership position in a student organization required.

### **EDLA 491 Leadership Seminar III**

*1 semester hour*

A capstone leadership experience for advanced student leaders, this class combines readings, in-class activities, and experiential involvement as a peer educator with research and creation of a comprehensive leadership portfolio.

Permission of instructor and concurrent leadership position in a student organization required.

Prerequisite: EDLA 489 or EDLA 490.

### **EDLA 498 Special Studies**

*1 TO 3 semester hours*

### **EDLA 499 Independent Studies**

*1 TO 3 semester hours*

### **EDLA 6101 Foundations of Charter School Leadership: Vision of Learning for Diverse Students, Families, Staff, and Community**

*3 semester hours*

This course focuses on educators as leaders and change facilitators. Leadership theory, effective communication, effective group facilitation, community relations, will be analyzed through the specific lens of a charter school leader. Methods to articulate a vision consistent with well-developed educational philosophy will be explored. Candidates will participate in learning experiences designed to facilitate the application of theoretical concepts in practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship. Candidates will develop a concept for a new charter school and complete Element I of a standard charter petition that includes Mission and Vision of the school, educational program, learning goals and how those goals inspire and enable self-motivated, competent life-long learners.

Certificate in Charter School Leadership candidates only.

### **EDLA 6102 Charter School Instructional Leadership: Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community**

*3 semester hours*

This course assists candidates to understand the role that learning, leadership, leading for learning, and learning leaders play in the practice of being a reflective practitioner. Candidates will learn how to lead learning both directly and indirectly in their school or organization while addressing the specific challenges and needs of a charter school. This class provides candidates with a variety of

opportunities to consider teaching the challenge of driving instruction through curriculum and professional teaching standards, observations, evaluations and interventions, accountability systems, professional development and data-driven decision making. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship. Candidates will complete crucial elements of their charter petition started in EDLA 6101 with emphasis on the instructional program and curriculum, instructional framework, meeting the needs of numerous sub-groups of students, and teaching methodologies and ongoing professional development (Elements 1, 2, and 3).

Prerequisite: EDLA 6101.

Certificate in Charter School Leadership candidates only.

### **EDLA 6103 Specialized Charter School Leadership Preparation with Petition Writing Lab**

*4 semester hours*

This course will provide an overview of business aspects and management needs for running effective charter schools. Course will emphasize the unique aspects of charters as public schools that possess a substantial amount of autonomy in exchange for high levels of public accountability. Candidates will learn how effective practices in budgeting and finance, operations, human resource development, facilities management, governance, and fundraising contribute to high levels of student achievement in charter schools. Additionally, candidates will participate in a writing lab to complete the charter school petition.

Prerequisites: EDLA 6101 and EDLA 6102.

Certificate in Charter School Leadership candidates only.

### **EDLA 6105 Assessment and Research Methodology**

*3 semester hours*

Essential descriptive statistics; basic concepts of psychological and educational assessment. Overview of individual and group tests and inventories; test construction and evaluation; alternative assessment; and comprehensive testing programs. Preparation in designing and implementing a research study and competence in reviewing and using the professional literature.

### **EDLA 6420 An Invitation to Lead**

*1 semester hour*

Administration candidates will participate in opportunities to establish rapport and community among LMU faculty and their Administration Leadership cohort: Charter, Public non-Charter and Catholic. This course will detail the Administration Leadership Programs, with a focus on the candidates' call to leadership, their school vision, their attributes as a leader, and how "residency/fieldwork experience" will bridge the gap between theory and practice. There will be strong emphasis on cultural and linguistic diversity.

### **EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component**

*4 semester hours*

This course focuses on educators as leaders and change facilitators. Governmental, political, financial, legal, and historical perspectives of education in the United States will be studied. Leadership theory, effective communication, effective group facilitation, community relations, will be analyzed. Methods to articulate a vision consistent with well-developed educational philosophy will be explored. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

Grade of B- or higher required.

ISLA only.

### **EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity**

*3 semester hours*

This course provides candidates with a variety of opportunities to examine their own biases related to student diversity, explore ways in which to uncover the biases of others within the school community, and guide all stakeholders through collaborative dialog about important issues related to their own diverse school community. Administration candidates will develop a repertoire of strategies used to guide all stakeholders in defining standards that promote a culture of high expectations for all students. The course will challenge candidates to design and facilitate professional development opportunities for both parents and teachers. This course specifically addresses access, equity, and educational opportunity issues as they relate to the schooling process for historically underserved and disenfranchised students. The major themes covered in the course are: the role of schooling in a democratic society, socio-cultural perspectives of the schooling process, biculturalism and critical pedagogy, and institutional agents and supportive schools.

Grade of B- or higher required.

ISLA only.

### **EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component**

*4 semester hours*

This course assists candidates to understand the role that learning, leadership, leading for learning, and learning leaders play in the practice of being a reflective practitioner. Candidates will learn how to lead learning both directly and indirectly in their organization. This class provides candidates with a variety of opportunities to consider teaching the challenge of driving instruction through curriculum and professional teaching standards, observations, evaluations and interventions, accountability systems, professional development and data-driven decision making. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

Grade of B- or higher required.

ISLA only.

### **EDLA 6424 Organizational Management for Student Learning**

*3 semester hours*

A survey of strategies for creating a school culture in which children with disabilities are included, based on a variety of frames, including political, economic, and legal, to serve students, families, staff, and community. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

### **EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component**

*4 semester hours*

Administrative candidates study how to plan, organize, implement, manage, facilitate, and evaluate the daily operations of schools. This management approach stresses systems models, needs assessment, management plans, administering contracts, technology use, management information systems, decision making processes, problem solving, decentralization, and accountability in a

diverse cultural setting. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

Grade of B- or higher required.

ISLA only.

### **EDLA 6426 Instructional Technology for School Leaders**

*2 semester hours*

This graduate-level course is intended to provide candidates with the core foundational skills to lead a school with appropriate and effective instructional and administrative technologies. The dynamic nature of technology development and innovation requires strategies to ensure service populations are informed and skilled. The course will examine the theoretical educational models and how they impact instructional technology as well as technology research and decision making, planning for the future, classroom integration, assessment and analytics, professional development, communication, administrative technology, leadership, and school-wide technology adoption.

ISLA only.

### **EDLA 6427 Advocacy from a Legal Perspective**

*3 semester hours*

This hands-on leadership course examines the school leaders, as advocate, as his/her comprehensive duty to ensure school/district compliance with CA Education Code and local, state, and federal mandates so to make certain success for ALL students. Important legal and ethical issues will be explored via a case study approach; enhancing the candidate's analytical and problem-solving skills. The course will represent a microcosm of the opportunities, challenges and issues which school leaders encounter. Additional focus will be placed on compliance with special education and disability rights law, with an emphasis on cultural competency, English language learners, and non-traditional learning environments, i.e., charter schools. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

Grade of B- or higher required.

### **EDLA 6428 Business of Education**

*3 semester hours*

This course focuses on providing education leaders with knowledge of concepts and current practices in the management of business functions in schools. Course will emphasize practical issues related to budgeting and finance, operations, and human resource development. Candidates will learn to filter business management decisions and practices through the lens of learning and achieving equity for students. Candidates will participate in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting. There will be a strong emphasis on cultural and linguistic diversity, special education and the successful development of English Language Learners, and the parent-school relationship.

Grade of B- or higher required.

### **EDLA 6429 Specializing in Charter Schools**

*3 semester hours*

This course will provide an overview of management for running effective charter schools. Course will emphasize the unique aspects of charters as public schools that possess a substantial amount of autonomy in exchange for high levels of public accountability. Candidates will learn how effective practices in budgeting and

finance, operations, human resource development, facilities management, governance, and fundraising contribute to high levels of student achievement in charter schools.

### **EDLA 6430 Mission-Focused Leadership in Catholic Education**

*3 semester hours*

This course will provide new and aspiring administrators with the historical roots of Catholic education as it relates to the mission of the Church in a contemporary context. It will further examine the practices of Religious Education and Catholic Identity that promote mature faith in adults as well as children within and beyond the Catholic school setting. This course will present an analysis of the theological, philosophical, historical, and sociological aspects of American Catholic education, with a focus on policy implications for the contemporary context of the Catholic Church. Topics to be discussed include fostering a Christian climate in the school community, principled-based leadership, catechetical leadership, the role of discipleship, lifelong faith development, and service activities that empower people to become leaders in social justice.

### **EDLA 6431 Organizational Leadership in Catholic Education**

*3 semester hours*

This course is designed to give new and aspiring administrators theory and research in Catholic school leadership, management, organizations, change facilitation, and decision making within the context of the Catholic Church and its educational institutions. Candidates will be able to plan, organize, implement, manage, facilitate and evaluate the daily operation of Catholic schools in ways that achieve organizational goals and lead to the safe, productive operation of schools. This course will specifically focus upon the role and responsibilities associated with governance, strategic planning, human resource administration, school finance, accounting, public relations, marketing, development, admissions, and educational law as it pertains to Catholic schools.

### **EDLA 6432 Instructional Leadership in Catholic Education**

*3 semester hours*

This course will provide the new and aspiring administrator with the necessary knowledge and skills for curriculum development, instruction, and assessment in Catholic elementary and secondary schools. Candidates will articulate a vision for student learning consistent with a well-developed Catholic school philosophy and explore ways to lead individuals and groups toward the accomplishment of common goals and objectives in a collaborative environment. This course will focus on the evaluation and use of technological resources available to the globalized learning community of the present and future.

### **EDLA 6433 Visions of Learning**

*3 semester hours*

This course focuses on Catholic educators as leaders and change facilitators. Emphasis will be on leading the faculty, students, and parents in a spiritual community of faith formed in the teachings of the Catholic Church and the traditions of Ignatian spirituality. Private school law and ethics, governmental intersections, political context, financial impact, legal dimensions of practice, and historical perspectives of all education in the United States will be studied. Leadership theory, effective communication, effective group facilitation, community relations, will be taught and analyzed. Methods to articulate a shared vision consistent with well-developed educational philosophy will be explored within the context of a professional learning community. There will be an emphasis on building intercultural competency, socio-economic and linguistic diversity, Catholic school inclusion, and the parent-school relationship. This course is aligned with the National Standards and Benchmarks for Effective Catholic Elementary and Secondary Schools for use in planning and assessment.

**EDLA 6434 Student Learning and Professional Growth**

*3 semester hours*

This course assists new and aspiring Catholic school administrators in understanding the dynamic relationship between teaching, learning, assessment and leadership. Focus will be placed on individualization of student instruction, evaluation and assessment of instructional practices, skill in design and implementation of instructional sequences, curriculum standards-based instruction for all students, observations, evaluations and interventions, accountability systems, data-based decision making, and professional development. There will be an emphasis on building intercultural competency, socio-economic and linguistic diversity, Catholic school inclusion, and the parent-school relationship. This course is aligned with the National Standards and Benchmarks for Effective Catholic Elementary and Secondary Schools for use in planning and assessment.

**EDLA 6435 Transforming Organizations**

*3 semester hours*

This course assists new and aspiring Catholic school administrators in developing skills in transformational leadership to design, plan, and implement strategic planning processes to support and sustain educational achievement. The implementation of a professional learning community in the Catholic school context will emphasize ongoing and continuous improvement as a cultural expression of ongoing and continuous planning strategies to benefit student learning. Strategic planning for Catholic schools brings all aspects of the educational enterprise together and includes all stakeholders as relevant to all functional areas: including curriculum, human resources, facilities, technology design for education systems. There will be an emphasis on building intercultural competency, socio-economic and linguistic diversity, Catholic school inclusion, and the parent-school relationship. This course is aligned with the National Standards and Benchmarks for Effective Catholic Elementary and Secondary Schools for use in planning and assessment.

**EDLA 6710 Leadership in Higher Education I**

*3 semester hours*

This course serves as an introduction to the Higher Education Program as well as higher education leadership. The course details the Higher Education Program with a focus on the students' call to leadership, their vision of higher education, and their attributes as a leader. Students will be introduced to the habit of reflection and begin to learn the skills of becoming reflective practitioners who will serve as transformative leaders. Students will also be introduced to services and skills necessary for successful graduate-level academic work such as the library, academic resources, APA writing style, and graduate-level writing style. Throughout the course, students will participate in opportunities to establish rapport and community among their cohort, LMU faculty, and various external partners.

Grade of B (3.0) or higher required.

Admission into the Higher Education Administration Program required.

**EDLA 6711 Foundations of Higher Education**

*3 semester hours*

This course provides an overview of the history of higher education and its relationship to American society. There is interplay between academic institutions and the political and institutional structures at all levels. These relationships are analyzed in both historical and critical frameworks. Various elements of the academia will be considered such as: academic freedom, student life, equity and accessibility, etc. Students will gain an understanding of the purposes and missions of American higher education, as well as the importance of key historical issues and landmark events.

Grade of B (3.0) or higher required.

**EDLA 6712 Organization and Administration in Higher Education**

*3 semester hours*

Students will be introduced to the basic organizational structures of higher education institutions, and the role of major functional areas within these institutions. This course will provide students with practical and theoretical understandings of educational organizations to examine how they are organized and governed, while also studying features of various elements in structures and processes that are essential to the functioning of a university such as culture, authority, technology, power, environment, decision loci, and strategic planning.

Grade of B (3.0) or higher required.

**EDLA 6713 Theories of College Student Development**

*3 semester hours*

Theories of Student Development will provide an intensive introduction to the theoretical and research literature on the American college student in order to inform practice and inquiry in higher education administration. A holistic and in-depth analysis of various student development theories (i.e., cognitive, ecological, psychological, spiritual, post-modern, non-traditional) will be covered throughout the course. The impact of college on student development and learning will be highlighted.

Grade of B (3.0) or higher required.

**EDLA 6714 Leadership in Catholic Higher Education**

*2 semester hours*

This course will provide students with an understanding of the role of faith based colleges and universities in American higher education, along with the various philosophical tenets and values that guide their educational mission. Students will also examine how these tenets and values impact the practice of leadership at Catholic and other based institutions.

Grade of B (3.0) or higher required.

**EDLA 6715 Community College Leadership**

*2 semester hours*

This course will provide an overview of the historical development and role of community colleges in American higher education. Students will gain an understanding of leadership issues distinctive of community college leadership while also exploring the student experience at community colleges.

Grade of B (3.0) or higher required.

**EDLA 6720 Fieldwork in Higher Education**

*3 semester hours*

This experiential course integrates the theory to practice model by providing students the opportunity to integrate course material into an actual higher education setting and situation. Students will engage in an intensive fieldwork experience in a functional area of a post-secondary institution, and receive supervision and mentoring by an on-site supervisor. In collaboration with their on-site supervisor, students will be required to identify a major need in their respective placement site and create a project/plan that will address the issue that will comprise a portion of their final comprehensive project. Throughout the semester students will also participate in a seminar to reflect and critically assess their fieldwork experience. They will also work with their peers and the seminar faculty leader on their project.

Credit/No Credit grading.

Prerequisites: EDLA 6710, EDLA 6711, and EDLA 6712, all with a grade of B (3.0) of higher.

**EDLA 6721 Higher Education Law and Public Policy**

*3 semester hours*

This course assists students in becoming knowledgeable about fundamentals of law that directly and indirectly influence the

teaching, learning, and administrative environments of higher education institutions in both the public and private sectors. The policy issues which surround the application of law in college and university settings will also be considered.  
Grade of B (3.0) or higher required.

### **EDLA 6722 Resource Management in Higher Education**

*3 semester hours*

This course will introduce students to issues, practices, and policies involved with the management of various resources within institutions of higher education. The course will cover areas such as: strategic planning; budget creation and management; program planning, implementation, and evaluation, etc. Students will also gain the appropriate knowledge and skills needed for hiring, supervising, and evaluating employees. The course material will prepare students to supervise a program or functional administrative area.

Grade of B (3.0) or better required.

Prerequisites: EDLA 6710 and EDLA 6712, with a grade of B (3.0) or higher in each.

### **EDLA 6723 Leadership in Higher Education II**

*3 semester hours*

This is the final course for students in the higher education administration program providing students the opportunity to synthesize their academic coursework and field experience through critical reflection and analysis, while also instilling and providing them skills to serve as reflective practitioners. Students will explore the importance of reflecting upon higher education issues through the use of moral reasoning in the context of social justice. The course will highlight the responsibility higher education leaders have to integrate reason and values into their daily actions. A portion of this course will also provide students with interviewing skills and the refinement of their final comprehensive project.

Grade of B (3.0) or higher required.

Prerequisites: EDLA 6710, EDLA 6711, EDLA 6712, EDLA 6713, EDLA 6714, EDLA 6715, EDLA 6720, EDLA 6721, all with a grade of B (3.0) or higher.

Corequisites: EDLA 6722 and EDLA 6995.

### **EDLA 6840 Spirituality and Leadership in Catholic School Teaching**

*3 semester hours*

This course will engage students to view their role as spiritual leaders who participate in creating a culture of renewal in U.S. Catholic elementary and high schools. Throughout the course students will deepen their understanding of their vocation as Catholic school teachers, while critically reflecting and analyzing the spiritual and faith practices of their respective schools. Students will be introduced to basic foundations of Catholicism, new paradigms for religious education, and contemporary issues in the Church. They will explore the spirituality of K-12 students, ecclesiological issues flowing from Vatican II, evangelization, and social justice issues in Catholic education.

PLACE only.

### **EDLA 6950 Advanced Research Methods**

*3 semester hours*

An advanced research methods course focusing on: the nature of educational research, statistical methods, qualitative methods, and survey design.

Special approval required.

Prerequisite: EDLA 6105.

### **EDLA 6951 Advanced Research Design**

*1 semester hour*

An advanced research design institute intended for students accepted into the master's thesis option. The course will focus on:

framing the research question, choosing appropriate methodology, reviewing the literature, reliability and validity, and writing the master's thesis proposal. Acceptance in Master's Thesis Option required.

Prerequisite: EDLA 6950.

### **EDLA 6995 Comprehensive Examination**

*0 semester hours*

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be a written and/or oral examination. Candidates should register for the specific section required for their program.

Fee required.

Credit/No Credit grading.

Special approval required.

### **EDLA 6998 Special Studies**

*1 TO 3 semester hours*

### **EDLA 6999 Independent Studies**

*1 TO 3 semester hours*

### **EDLA 7001 Leadership for Social Justice in Education**

*3 semester hours*

This course examines various approaches to conceptualizing, interpreting, and making operational social justice. The course will review the historical development of the concept of social justice in an interdisciplinary manner. Particular attention will be given to: critically competing ethical and religious theories of justice; sociological factors of schools as institutions of injustice and cultures that can promote an ethos to further justice; the relationships of the ethical theory of justice of educational institutions; and the examination of pedagogy for social justice. The goal of the course is to bring together ethics, sociology of education, and concrete pedagogy.

### **EDLA 7002 Moral and Ethical Leadership**

*3 semester hours*

This course examines ethics in education, moral development theory, and leadership theory. Emphasis will be placed on the role of the individual in the development of principles and practices of just and caring leadership. Critical inquiry into the responsibility of leaders for the protection and promotion of democratic schooling and global citizenship is highlighted.

### **EDLA 7004 Organizational Theory and Change**

*3 semester hours*

This course will focus on organizational theory and culture, systemic change, and supervision of programs and personnel. The role of the leader as an agent for transformative change, an informed implementer of technology to reduce the digital divide, and facilitator for community collaboration is examined.

### **EDLA 7005 Educational Change and Innovation**

*3 semester hours*

This course provides an in-depth examination of educational policy making processes, through the lens of education reform movements and the political nature of these issues, utilizing a historical and ideological approach. The course will focus on the history and analysis of national, state, and local policies, processes, standards, and reform movements applied to general and special education. An additional focus of the course will be the analysis of the equity and adequacy issues governing school finance.

### **EDLA 7020 Situated Inquiry in Education**

*3 semester hours*

This introductory course provides educational leaders with an integrated methodological approach to practitioner research through

school and classroom-based research. A survey of quantitative and qualitative methods will be the basis for situated inquiry in which candidates are introduced to field-based, problem-solving research, survey research methodology, program evaluation research, and technology. Candidates will improve skills in the development of research instruments and tools for data collection.

#### **EDLA 7021 Quantitative Research in Education**

*3 semester hours*

This advanced quantitative research course focuses on a variety of quantitative research designs and statistical methods for examining data from diverse educational settings, including survey construction and implementation, correlation and prediction research, and causal-comparative design. This will cover univariate and multivariate methods utilizing desktop statistical software. Prerequisite: EDLA 6105 or equivalent.

#### **EDLA 7022 Qualitative Research in Education**

*3 semester hours*

This advanced research course focuses on a variety of qualitative research methods and designs for diverse educational settings, including ethnography, observations, interviews, and case studies. The research will be focused through the lens of social justice.

#### **EDLA 7023 Doctoral Colloquia**

*2 semester hours*

The doctoral colloquia are designed to support doctoral candidates in completing research, analyzing data, further developing leadership skills, and investigating career opportunities. Special topics will address these issues. Credit/No Credit grading.

#### **EDLA 7040 Context and Current Topics in Public Education**

*3 semester hours*

This seminar explores the historical, philosophical, and structural issues in public education. The seminar will include a discussion and analysis of the current issues defining and challenging public P-12 education.

#### **EDLA 7042 Management of Fiscal/Human Capital**

*3 semester hours*

The recruitment, management, and assessment of fiscal and human resources will be explored through the lens of social justice. This course includes the following: national, state, and local funding and fiscal management; human resource recruitment, retention, and evaluation; equity analysis of resources for diversity; strategies for building effective learning communities; and an analysis of the equity and adequacy issues governing school finance.

#### **EDLA 7043 Legal and Policy Issues in Education**

*3 semester hours*

Candidates examine legal frameworks of national, state, and local government and educational entities. The focus of the course will be on the political and sociological forces affecting general education programs, services for students with exceptional needs, and other categorical programs. Course topics include laws affecting education and the application of legal principles to current policies and practices.

#### **EDLA 7045 Transformational Leadership for Student Achievement**

*3 semester hours*

This course examines components of reflective leadership and the relationship to educational achievement for diverse populations. This course will emphasize a sociocultural perspective which will guide the exploration of leadership related to accountability, instruction and assessment. The theory and practice of transformational

leadership informed by a social justice perspective will be foundational components.

#### **EDLA 7049 Research Seminar**

*2 semester hours*

This course focuses on the practitioner researcher's formulation of research questions, preparation of the design and methodology to be used in the researcher's study of education. The outcome of this course will be the design and methodology chapter of the candidate's dissertation. Credit/No Credit grading.

#### **EDLA 7060 Context and Current Topics in Private Education**

*3 semester hours*

This seminar explores the historical, philosophical, structural, and theological issues in Catholic, private, and charter schools, as well as non-public schools serving students with exceptional needs. The seminar will include a discussion and analysis of the current issues defining and challenging Private K-12 education and the influence of Catholic social teaching in these topics.

#### **EDLA 7940 Preliminary Review Design**

*1 semester hour*

This course is designed to assist candidates as they engage in thoughtful consideration of an area in educational leadership for social justice that is of interest to them. The culmination of this course is the Preliminary Review. Students must successfully complete the Preliminary Review process in order to continue in the doctoral program. Credit/No Credit grading.

#### **EDLA 7950 Dissertation Proposal Design**

*2 semester hours*

A seminar designed to assist candidates in the development and design of the dissertation proposal. Prior to beginning the research phase of the dissertation, candidates will be required to submit a proposal to the Institutional Review Board (IRB) for approval. Institutional Review Board approval required. Credit/No Credit grading.

#### **EDLA 7951 Dissertation Seminar I**

*2 semester hours*

Seminar designed to support doctoral candidates in development research design, conducting literature research, and collecting data. Credit/No Credit grading.

#### **EDLA 7952 Dissertation Seminar II**

*2 semester hours*

Seminar designed to support doctoral candidates in completing research and analyzing data. Credit/No Credit grading.

#### **EDLA 7953 Doctoral Seminar I**

*2 semester hours*

Candidates will enroll in 2 semester hours each semester leading to completion and acceptance of dissertation. Credit/No Credit grading.

#### **EDLA 7954 Doctoral Seminar II**

*2 semester hours*

Candidates will enroll in 2 semester hours each semester until completion and acceptance of dissertation. Credit/No Credit grading.

#### **EDLA 7955 Doctoral Seminar III**

2 semester hours

Candidates will enroll in 2 semester hours each semester until completion and acceptance of dissertation.

Credit/No Credit grading.

### **EDLA 7990 Advancement to Candidacy**

0 semester hours

### **EDLA 7998 Special Studies**

1 TO 3 semester hours

### **EDLA 7999 Independent Studies**

1 to 3 semester hours

## **Educational Support Services (EDSS)**

### **EDSS 427 Creating Effective Classrooms in Diverse Settings**

3 semester hours

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in managing environments for diverse learners that are safe and effective and that facilitate positive self-esteem and self-advocacy. In addition, the candidate will be prepared to demonstrate knowledge of behavioral management strategies, varying communication styles that impact learning and laws, and regulations for promoting behavior that is positive and self-regulatory.

### **EDSS 436 Creating Collaborative Partnerships**

3 semester hours

This course is designed to prepare candidates to be able to collaborate and communicate effectively with individuals with disabilities and their parents, other family members and primary care givers, school administrators, general and special education teachers, specialists, paraprofessionals, and community agency and related service personnel. The candidate will learn how to work in partnership to be able to design, implement, and evaluate integrated services that reflect transitional stages across life span for all learners.

### **EDSS 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs**

3 semester hours

General survey of exceptionalities affecting normal child development. Causation, diagnosis, treatment, programs, and resources are included. Implications of recent legislation for the disabled will be emphasized.

### **EDSS 443 Informal Assessment and Individual Education Program (IEP) Development for Students with Exceptional Needs**

3 semester hours

A survey of strategies for assessing and teaching FEP and LEP students in all areas of exceptionality.

### **EDSS 444 Observation and Participation in General and Special Education Programs**

3 semester hours

Direct contact experience observing and working with FEP and LEP students in all areas of exceptionality. A minimum of 100 clock hours must be spent with three exceptionalities.

Credit/No Credit grading.

### **EDSS 445 Special Education: Advocacy and the Law**

3 semester hours

This course examines federal and California special education law with particular emphasis on the Individuals with Disabilities Education Improvement Act (IDEA 2004) and the Rehabilitation Act of 1973. The first half of the course will involve reading of material

that will give a legal and practical background to the specifics of the law, its purpose, and how it is implemented by school districts. This background will serve as a foundation for the students to effectively advocate (with proper supervision) for their clients during the clinical portion of the class. The overall goal of the course is to give students insight into how to work with families and school personnel and how to ultimately avoid the pitfalls of noncompliance. The second half of the course will be a supervised clinical experience where students will handle a special education case. This will include: interviewing potential clients, analysis of facts, and advocacy at an IEP. Depending on the facts of the case, students may also file a state complaint and prepare a case for mediation and/or for due process hearing.

### **EDSS 452 Psychological and Educational Assessment**

3 semester hours

Basic concepts of psychological testing, measurement, and evaluation applicable to the rationale, construction, evaluation, use, and interpretation of tests, rating scales, etc.; essential statistics. Practice required.

Senior class standing required.

### **EDSS 453 Introduction to the Study of Disability and Special Education**

3 semester hours

This course introduces students to the field of disability studies and special education. The difference between the two fields are carefully examined, discussed and explored. The course introduces key components and theories underlying disability studies and foundational components of the special education system. The course explores disability through a historical, social, linguistic, cultural, economic, and political context. This course also explores how disability is portrayed in society and reviews traditional stereotypes emerging from the disability rights movement. In regards to Special Education, this course will emphasize current laws and procedures pertaining to the appropriate education for children with disabilities and review major relevant issues affecting the field of special education including inclusion, advocacy, collaborating with diverse families and educational professionals, and transition processes.

### **EDSS 454 Major Issues and Foundations of Special Education**

2 semester hours

Candidates will receive an overview of the characteristics of diverse learners with high incidence disabilities with a view towards developing an understanding of these characteristics as they impact learning, behavior, and socialization. The course will also emphasize current laws and procedures regarding the appropriate education of these students and review major issues including Universal Design for Learning (UDL), inclusion, advocacy, assistive technology, Response to Intervention (RTI), early intervention, collaborating with diverse families and educational professionals and transition planning.

Prerequisite: EDSS 440 or EDSS 453.

### **EDSS 455 Development of IEPs for Students with Exceptional Needs**

1 semester hour

This course will provide essential information regarding the development of Individualized Education Programs (IEPs) for students with exceptional needs. Candidates will learn the general components of an IEP and how to develop student present level of performance (PLOP) and goals.

Prerequisite: EDSS 440 or EDSS 453.

### **EDSS 475 Teaching and Assessing Students with Mild/Moderate Disabilities**

*3 semester hours*

Principles and techniques for diagnosing learning and behavioral strengths and weaknesses in children and youth with specific learning disability, mental retardation, other health impairments, or serious emotional disturbance. Additional emphasis is placed on effective techniques and methods in working with culturally and linguistically diverse youth. Development of teaching strategies, goals, and objectives suitable for direct intervention, implementation of individual instructional programs, and evaluation of program approaches and effectiveness.

**EDSS 476 Policies and Issues in Education for Diverse Learners with Disabilities**

*3 semester hours*

Survey of current issues and trends in the psychology and education of students with learning handicaps, e.g. theoretical instructional systems, use of research findings in program implementation, counseling, career guidance, and program evaluation with emphasis on history and practices of bilingual education, including organizational models and instructional strategies.

**EDSS 492 Behavior and Classroom Management Techniques for Teachers**

*3 semester hours*

Explores current, alternative approaches to classroom discipline, management, and organization. Focuses on how teacher behavior, the learning task, and the classroom environment affect student behavior.

**EDSS 498 Special Studies**

*3 semester hours*

**EDSS 499 Independent Studies**

*1 TO 3 semester hours*

**EDSS 5002 Survey of Second Language Acquisition Theories**

*2 semester hours*

Course content includes theoretical perspectives in first and second language learning, language teaching methodologies, assessment, identification, and program placement for Limited English Proficient students with and without disabilities. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education; federal, state, and local legislation; bilingual education models; and the role of parents and paraprofessionals in English language development.

**EDSS 5300 Introduction to Teaching and Learning in General and Special Education**

*2 semester hours*

This course will provide initial instruction in the essential themes, concepts, and skills related to the duties of a special educator before the candidate assumes intern/teaching responsibilities. Admission to program required.

**EDSS 5301 Managing Learning Environments**

*2 semester hours*

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in managing environments for diverse learners that are safe and effective for students. Admission to program required.

**EDSS 5998 Special Studies**

*3 semester hours*

**EDSS 5999 Independent Studies**

*1 TO 3 semester hours*

**EDSS 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs**

*3 semester hours*

An overview of the problems confronting educators of students with exceptional needs with a view to developing an understanding of the psychological and educational implications for instruction and program planning. An overview of major exceptionalities and implications of recent legislation for the disabled ("mainstreaming") will be emphasized.

This course meets the requirements for the 2042 credential.

**EDSS 6101 Psychology and Education of Culturally/Linguistically Diverse Students with Exceptional Students**

*3 semester hours*

An overview of the problems confronting educators of students with exceptional needs, with a view to developing an understanding of the psychological and educational implications for instruction and program planning. An overview of major exceptionalities and implications of recent legislation for the disabled ("mainstreaming") will be emphasized.

**EDSS 6104 Leadership for Instruction, Learning, and Achievement**

*3 semester hours*

Designed for school management and institutional trainers to afford understanding of individualization of instruction, evaluation and assessment of instructional practices, skill in design and implementation of instructional sequences, and elements of effective instruction for all students.

**EDSS 6106 Human Development and Learning**

*3 semester hours*

The study of major psychological theories and their application to the understanding of human behavior and the processes of learning. Appraisal of human biological, psychological, and social development from infancy through adolescence. Emphasis is placed on the impact of culture and diversity on child and adolescent development.

**EDSS 6251 Secondary School Curriculum and Methods for Math and Science**

*3 semester hours*

Objectives, methods, materials, and problems involved in teaching math and science in the secondary schools. Explores methods of long and short range planning, course overviews, unit plans and lesson planning. Presents alternative strategies of instruction and methods of diagnosing needs and evaluating learning. Current approaches to classroom discipline, management, and organization are studied.

**EDSS 6300 Creating Effective Classrooms**

*3 semester hours*

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in managing environments for diverse learners that are safe and effective and that facilitate positive self-esteem and self-advocacy. In addition, the candidate will be prepared to demonstrate knowledge of behavior management strategies, varying communication styles that impact learning and laws and regulations for promoting behavior that is positive and self-regulatory.

**EDSS 6301 Creating Collaborative Partnerships**

*3 semester hours*

This course is designed to prepare candidates to be able to collaborate and communicate effectively with individuals with disabilities and their parents, other family members, and primary care givers, school administrators, general and special education

teachers, specialists, paraprofessionals, and community agency and related service personnel. The candidate will learn how to work in partnership to be able to design, implement, and evaluate integrated services that reflect transitional stages across life span for all learners.

### **EDSS 6302 Assessment of Students with Exceptional Needs**

*3 semester hours*

This course surveys a variety of evidence-based strategies for assessing Fluent English Proficient (FEP) and English Language Learner (ELL) students with mild/moderate disabilities. Course content includes principles and techniques for assessing learning, developing appropriate IEP goals and instructional recommendations based on individual needs. Both formal and informal methods of assessment are reviewed, including Curriculum Based Assessment. Includes lecture and practicum.

### **EDSS 6303 Teaching and Assessing Students with Mild/Moderate Disabilities**

*3 semester hours*

Principles and techniques for diagnosing learning and behavioral strengths and weaknesses in children and youth with learning disability, mental retardation, other health impairments or serious disturbance. Additional emphasis is placed on effective techniques and methods in working with culturally and linguistically diverse youth, development of teaching strategies, goals, and objectives suitable for direct intervention, implementation of individual instructional programs, and evaluation of program approaches and effectiveness.

### **EDSS 6304 Policies and Issues in Education for Diverse Learners with Disabilities**

*3 semester hours*

Survey of current issues and trends in the psychology and education of students with learning handicaps, e.g. "mainstreaming" theoretical instructional systems, use of research findings in programs implementation, counseling, career guidance, and program evaluation, with emphasis on history and practices of bilingual education including organizational models and instructional strategies.

### **EDSS 6310 Professional Induction Planning Seminar**

*0 semester hours*

Candidates for the Professional Level II Education Specialist credential are required to take this course at the beginning of their Level II program. During this individualized seminar, the candidate develops a Professional Induction Plan with an assigned district support provider and a college advisor. Special approval required.

### **EDSS 6311 Advanced Issues in Assessment and Instruction of Students with Special Needs**

*3 semester hours*

In this advanced course, candidates acquire knowledge and skills to appropriately assess and instruct students with Mild/Moderate disabilities. Course content includes selecting and administering a variety of formal and informal assessment procedures in order to be able to teach, adapt and integrate curriculum appropriate to the educational needs of students.

Special approval required.

### **EDSS 6312 Consultation and Collaboration for Students with Special Needs**

*3 semester hours*

This course will provide opportunities for candidates to develop skills in communication, collaboration and consultation with teachers and other school personnel, community professionals, and parents. A specific area of emphasis will be on the communication of relevant

social, academic, and behavioral information in the areas of assessment, curriculum, behavior management, social adjustment, and legal requirements. At the completion of the course, candidates will be prepared to coordinate the process involved in special education placements.

Special approval required.

### **EDSS 6313 Supportive Environments for Students with Behavioral and Emotional Needs**

*3 semester hours*

In this advanced course, candidates develop systems for academic and social skills instruction for students with complex behavioral and emotional needs including attention disorders, depression and suicidal behavior, psychotic behavior anxiety and related disorders, and delinquency of substance abuse. Course content includes advanced study of behavioral supports, social skills instruction, crisis management, and positive learning environments. Collaborative work with other professionals and community agencies is emphasized in the development of comprehensive support programs for these students.

Special approval required.

### **EDSS 6314 Professional Educator Evaluation Seminar**

*1 semester hour*

This seminar is the culminating experience for the Professional Education Specialist credential program. Students reevaluate their professional competency to assess and teach culturally diverse students with learning and behavior problems. They compile a Professional Educator Portfolio, which includes artifacts documenting their professional competence and a plan for their continuing professional growth. The district support provider and the college advisor continue to support the student in this process.

### **EDSS 6317 Research and Leadership in Special Education**

*2 semester hours*

This seminar-style course will assist candidates to further develop and implement research skills in Special Education. Candidates will review seminal and current research. The course will also review research related to implementing change and effective practices for diverse populations with disabilities in the schools. This course will require active online and in-class assignments, discussions and participated. The course is designed to be directed by candidate's work in the schools with students, colleagues and families.

### **EDSS 6318 Supporting Behavior and Social Skills for Students with Exceptional Needs**

*3 semester hours*

This course is designed to prepare candidates to demonstrate knowledge and skills in managing environments for diverse learners that are safe and effective and that facilitate positive self-esteem and self-advocacy. The candidates will be prepared to demonstrate knowledge of behavior analysis and management strategies, varying communication styles that impact learning, and laws and regulations for promoting behavior that is positive and self-regulatory. In addition, this course focuses on characteristic and learning needs of students with emotional disturbance and autism.

### **EDSS 6319 Literacy Instruction for Special Needs Students in Single Subject Classrooms**

*3 semester hours*

This graduate course is designed to develop and understanding of the nature of literacy and how it impacts the content area literacy needs of all students, including English Language Learners and students with disabilities. Course content includes evidence-based approaches to language arts/literacy instruction, assessment, differentiated instruction, Response to Intervention (RtI), literacy needs of ELLs and students with disabilities, as well as methods,

processes, and techniques for teaching content area literacy skills in grades 6-12.

### **EDSS 6320 Development of IEPs for Students with Exceptional Needs**

*1 semester hour*

This training course is designed to provide candidates with essential information regarding the development of Individualized Education Programs for students with disabilities. Candidates will learn the general components of an IEP, and how to develop current student functioning levels and goals.

### **EDSS 6325 Foundation of Special Education**

*2 semester hours*

This course will provide an overview of the characteristics of diverse students with high incidence disabilities with a view towards developing an understanding of the psychological and educational implications of these exceptionalities. This course will also emphasize current laws and procedures regarding the appropriate education of these students and review major relevant issues affecting the field of special education including Universal Design for Learning, inclusion, advocacy, assistive technology, Response to Intervention/early intervention, collaborating with diverse families and educational professionals and transition planning. Fieldwork required.

### **EDSS 6362 Counseling Theories and Techniques**

*3 semester hours*

A survey of major theoretical orientations to the practice of counseling. An overview of basic counseling skills with particular emphasis on communication skills applicable to the counseling relationship. Candidates are introduced to experiences that will give them a greater understanding of self and others. Required prior to formal admission to the Counseling program.

### **EDSS 6365 Research Methodology and Statistics**

*3 semester hours*

An introduction to data gathering methods and models of assessment statistics to guide program direction and evidence-based educational decision making. Overview of different types of tests and inventories, their construction and evaluation. Candidates will also learn how to design and collect different types of data to determine the impact of their counseling interventions. Preparation in explaining educational assessment data and results data to different stakeholders. Basic descriptive statistics, research designs and methods will also be examined to develop skill in a critical approach to examining the research literature in counseling as well as the importance of conducting counseling research.

### **EDSS 6366 Principles, Organization, and Administration of Pupil Personnel and Human Services**

*3 semester hours*

This course emphasizes contemporary trends in school counseling, including application of the ASCA National Model. The role of the school counselor as a leader and change agent and best practices will be examined. Information pertaining to the practice of school counseling and guidelines for the development, implementation, coordination, and evaluation of pupil personnel services in elementary, middle, and high school will be provided. Facilitating collaborative partnerships with school-based personnel and community resources, including referral processes for students and families, will be addressed. Field assignment required.

### **EDSS 6368 Career Counseling and Educational Planning**

*3 semester hours*

An overview of career development theories as they relate to the whole person will be examined, including effectively addressing the needs of specific populations (e.g., women, ethnic minorities,

students with special needs, and economically disadvantaged students). Assessment and counseling techniques and related tools to be used within career counseling and educational planning will be explored. This course will also emphasize contemporary trends in educational and career guidance applied to educational and career planning within the K-12 and higher education settings. Field assignment and lab fee required.

### **EDSS 6372 Consultation and Collaboration in Schools**

*3 semester hours*

This course is designed to support learning and application of knowledge and skill in collaborative consultation with school personnel and families on academic, social, and behavioral factors that impact student achievement and related outcomes. Candidates will also learn and apply concepts related to systemic consultation, with an emphasis on prevention and early intervention. The counselor's leadership role in identifying, organizing, and developing prevention and intervention services is emphasized. Field assignment required.

### **EDSS 6376 Crisis Counseling, Prevention, and Intervention**

*3 semester hours*

This graduate level course is designed to support learning and application of knowledge and skill in 1) counseling; 2) prevention and early intervention in events such as violence, suicide, pregnancy, and others that may lead to individual crises; 3) quality indicators of school and community-based crisis teams.

Prerequisite: EDSS 6362.

### **EDSS 6377 Multicultural Counseling**

*3 semester hours*

Students examine the spectrum of beliefs, values, and behaviors that comprise cultural diversity and on developing strategies that facilitate the counseling process.

Prerequisites: EDSS 6362 and EDSS 6391.

### **EDSS 6378 Group Counseling**

*3 semester hours*

Theories, techniques, and development of human communication processes, both verbal and non-verbal, in group situations. Experience in group participation is provided. Use of communication skills applicable to counseling.

Credit/No Credit grading.

Prerequisites: EDSS 6362, EDSS 6391, and EDSS 6394.

### **EDSS 6379 Social, Emotional, and Behavioral Functioning**

*3 semester hours*

Candidates will become familiar with the spectrum of emotional and behavioral disorders and symptomatology. In this course candidates will learn both DSM-IV-TR diagnostic criteria and educational code criteria that apply to emotional and behavioral problems. Other areas covered in this course include: promoting health and wellness and evidence-based treatments.

Prerequisites: EDSS 6362 and EDSS 6390.

### **EDSS 6382 Ethical and Legal Issues**

*3 semester hours*

This course examines ethics, laws, regulations, and best practices for pupil personnel counseling professionals. Critical issues relevant to child abuse and partner abuse will be addressed. Procedures for resolving ethical and legal dilemmas will be emphasized.

### **EDSS 6384 Practicum in School Psychology**

*3 semester hours*

On-site supervised field work experiences and on-campus demonstrations, practicum and seminars designed to develop the student's competence in performance of School Psychologist functions and working knowledge and beginning competencies of

the School Psychologist. Experiences focus upon the direct application of classroom knowledge and training. Enrollment limited to students accepted and enrolled in the School Psychology Credential Program. (Application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course). Credit/No Credit grading. Special approval required.

**EDSS 6386 Practicum in Culturally Responsive Counseling**  
*3 semester hours*

Through the use of videotaped sessions with volunteer clients, advanced candidates under the supervision of licensed professionals observe and critique their counseling skills with individuals and groups. This class involves peer evaluation and discussion. Cross-cultural counseling experiences are emphasized. Credit/No Credit grading. Special approval required. Prerequisite: EDSS 6394.

**EDSS 6390 Lifespan Development**  
*3 semester hours*

The study of major psychological theories and their application to the understanding of human behavior. Appraisal of human biological, psychological, and social lifespan development from infancy through death. Emphasis is placed on the impact of culture and diversity on lifespan development.

**EDSS 6391 Foundations of Counseling**  
*3 semester hours*

The objectives of this course are for master's students in counseling to gain core foundational knowledge of the counseling field and facilitate the development of a professional counselor identity. The core foundations include the history of counseling, multicultural issues, career and vocational counseling, counseling, process and outcome, ethics, prevention, health promotion, and social justice. In addition, a review of the practice of counseling and program specializations will be offered.

**EDSS 6392 Psychopharmacology**  
*3 semester hours*

The primary objective of this course is to offer a survey of psychopharmacology for the professional counselor. Biological and psychological effects of psychotropic medications will be discussed along with indications and contraindications for psychopharmacological interventions and the relative efficacy of psychopharmacology treatments in comparison to counseling and psychotherapeutic interventions will be addressed.

**EDSS 6393 Assessment, Appraisal, and Diagnosis**  
*3 semester hours*

The objectives of this course include developing a broad understanding of assessment issues and procedures. These issues and procedures include 1) the history of assessment, 2) legal and ethical issues, 3) cultural diversity, 4) the scientist/practitioner approach to clinical judgment, 5) diagnostic interviewing, 6) approaches to test construction, 7) reliability and validity, 8) types of vocational, cognitive, and personality tests, and 9) special education.

**EDSS 6394 Helping Skills**  
*3 semester hours*

The objectives of this course are for graduate students in counseling and education to 1) develop proficiency in beginning counseling skills, 2) prepare for counseling fieldwork experiences, and 3) begin to develop an understanding of the counselor's role in facilitating or inhibiting client change. Multicultural experiences are emphasized. Consent of Coordinator required. Prerequisite: EDSS 6362.

**EDSS 6395 Addictions Counseling: Foundations for Wellness**  
*3 semester hours*

This graduate course is intended to provide graduate Counseling students with core foundational knowledge of addictions counseling including substance abuse, co-occurring disorders, and addiction (e.g., gambling, sex, food, pornography). Major approaches to identification, evaluation, treatment, and prevention of substance abuse and addiction will be explored. Topical consideration will also be given to legal and medical aspects of substance use and addictions, populations at risk, the role of support persons, support systems, and community resources. Addictions and addictions counseling within the contexts of culture, race, ethnicity, gender, and social class will be examined. Prerequisites: EDSS 6362 and EDSS 6391.

**EDSS 6396 Human Sexuality**  
*3 semester hours*

This graduate level course explores historical and contemporary theories and best practices relative to sexuality across the lifespan. The biological, physiological, psychological, and sociocultural factors that influence human sexual responses will be addressed, advanced counseling and psychotherapeutic techniques relative to assessment and treatment will be introduced, and the contemporary socio-political environment relative to certain populations (e.g., LGBTQ, physically challenged, etc.) and the media (e.g., visual, auditory, and written) that frame the expression of sexuality will be discussed. Prerequisites: EDSS 6362 and EDSS 6391.

**EDSS 6397 Trauma Counseling: Theories and Interventions**  
*3 semester hours*

This graduate level course is intended to provide graduate Counseling students with core foundational knowledge of and best practices relative to responding to traumas, catastrophes, and disasters. Specific foci will target theories and models for understanding intrapersonal, interpersonal, and community responses to natural and man-made disasters, war, and genocide. Violence in the community, in the workplace, and in schools will be addressed as will violence across the lifespan, within the context of multiculturalism, and within the context of national and international parameters. The trauma of loss and vulnerability will also be explored. Finally, ways of managing challenges, concerns, and issues relative to counselor self-care, first responders, and ethical practices will be discussed. Prerequisites: EDSS 6362 and EDSS 6391.

**EDSS 6400 Community Psychology: Theories and Practice**  
*3 semester hours*

This graduate level course provides an overview of community psychology theoretical models. Candidates will be exposed to evidence-based approaches to prevention and promotion of social-emotional competencies and resilience across the lifespan within a variety of contexts. This course will offer a community-based learning opportunity emphasizing social justice and health promotion, particularly in underprivileged and/or underserved populations.

**EDSS 6500 Foundations of Ethical, Professional, and Legal Practice in School Psychology**  
*3 semester hours*

This course provides a comprehensive study of the field of School Psychology. Content includes historical antecedents and contemporary educational, legal, and system issues which frame the multiple roles, service models, and methods of the practice of school psychologists. State and national standards that govern the training of school psychologists are highlighted. Field assignments required. School Psychology Program only.

**EDSS 6502 Determinants of Child and Adolescent Learning and Development**

*3 semester hours*

This course introduces candidates to knowledge base regarding major contributors to student learning and development. Educational context and social influences on behaviors are reviewed. Advanced analysis and application of major psychological theories and biological basis will help candidates understand typical and atypical child and adolescent development. Evidence-based individual, school, family, and community interventions are explored.

**EDSS 6504 Statistics, Research Methods, and Program Evaluation**

*3 semester hours*

This graduate level course emphasizes the development of knowledge and skills with regard to interpreting and applying essential descriptive statistics, research methodologies, and basic concepts of psychological and education assessment. The course content consists of an overview of individual and group tests and inventories; test construction and evaluation; alternative assessment; progress monitoring; program evaluation; and comprehensive testing programs. School Psychology Program only.

**EDSS 6506 Seminar in Counseling and Interpersonal Relations**

*3 semester hours*

This course provides an overview of major counseling theories, and provides candidates with basic counseling skills with general and special education students. Candidates will learn general and specific techniques appropriate for use in school settings. Issues related to interpersonal relationships, culturally competent counseling, law and ethics, and evaluation of counseling effectiveness will be addressed.

**EDSS 6508 Student Diversity and Exceptionality**

*3 semester hours*

This course provides an overview of the characteristics of student diversity and exceptionality, including but not limited to individual differences, ability/disability, race, culture, language, socioeconomic status, and gender and the impact on educational access. Candidates learn about the importance of culturally competent practice, with an emphasis on strength-based approaches, evidence-based educational/intervention strategies, and collaboration with diverse families. Field assignments required.

**EDSS 6510 Seminar in Instruction and Learning**

*3 semester hours*

This course provides students with an overview of teacher instruction and the evaluation of student learning using curriculum based measures for reading, writing, and math; observation of student behavior during instruction; teacher interviews; and observation of effective classroom practices. The course also provides an overview of instructional strategies in the areas of reading, writing, and math for students who are at-risk for academic failure.

**EDSS 6512 Group Counseling and Intervention with Children and Adolescents**

*3 semester hours*

This course focuses on the application of group counseling theories to support positive mental health development in children and adolescents. Topics include different types of group counseling, including psychoeducational and social skills groups in the school setting. Issues related to culturally competent group counseling and law and ethics will be addressed. Field assignments required.

**EDSS 6513 Advanced Counseling Seminar I**

*2 semester hours*

This course is the first of a two-semester didactic and counseling supervision experience for school psychology candidates completing their second year practicum. Candidates will learn more in-depth techniques to provide mental health interventions and support the development of social and life skills for children and adolescents, including cognitive behavioral therapy, social emotional learning, and solution-focused counseling. Emphasis will be placed on collaborating with families and developing interventions at the individual, small group, classroom, and school levels to promote positive mental health. Methods of evaluating impact and outcomes will be addressed. Field assignments required. School Psychology Program only.

**EDSS 6514 Family, School, and Community Collaboration**

*3 semester hours*

This course emphasizes the principles and research related to collaborating effectively with diverse families and community partners to positively impact student learning, health, and mental health. Using experiential and ethnographic approaches, candidates learn historical and contemporary perspectives on family systems, strengths, needs, and culture. Candidates also learn evidence-based strategies to design, implement, and evaluate culturally-responsive services to promote family-school-community partnerships. Themes covered may include: inequality in educational policies and practices, overrepresentation of minorities in special education, assessment/intervention bias, immigration and second language learners, and working with non-majority culture and SES groups. Field assignments required.

**EDSS 6515 Advanced Counseling Seminar II**

*2 semester hours*

This course is the second of a two-semester didactic and counseling supervision experience for school psychology candidates completing their second year practicum. Candidates learn more in depth techniques provide mental health interventions and support the development of social and life skills for children and adolescents, including cognitive behavioral therapy, social emotional learning, and solution-focused counseling. Emphasis is placed on collaborating with families and developing interventions at the individual, small group, classroom, and school levels to promote positive mental health. Methods of evaluating impact and outcomes are addressed. Field assignments required. School Psychology Program only.

**EDSS 6516 Seminar in Motivation and Achievement**

*2 semester hours*

This course focuses on psychological theories, concepts, and research related to developing intervention to improve student outcomes, individually and school-wide. Special emphasis is placed on motivational theories and application, school engagement, family influences, and socio-cultural factors on learning.

**EDSS 6518 Assessment and Intervention for Cognitive and Learning Problems I**

*3 semester hours*

This is the first of a two-semester course focusing on psycho-educational assessment, intervention, and data-based decision making. Content includes psychological theory and psychometrics as related to achievement, motivation, school climate, family influences, retention, assessment of learning environments, and socio-cultural impact on learning. Legal and ethical issues related to testing cultural and linguistically diverse students are emphasized, along with proper administration, scoring, interpretation of results, and integration of data from multiple sources. (Course fee required.)

**EDSS 6520 Prevention, Intervention, and Consultation**

*3 semester hours*

This course provides knowledge and application related to effective decision making and problem solving for school psychologists through consultation and collaboration. Content includes the study of methods of collaborative consultation and communication with individuals, families, groups, and systems. Field assignments required.

### **EDSS 6522 Assessment and Intervention for Cognitive and Learning Problems II**

*3 semester hours*

This is the second of a two-semester course focusing on psycho-educational assessment, intervention, and data-based decision making. Content includes psychological theory and psychometrics as related to achievement, motivation, school climate, family influences, retention, assessment of learning environments, and socio-cultural impact on learning. Legal and ethical issues related to testing culturally and linguistically diverse students are emphasized, along with proper administration, scoring, interpretation of results, and integration of data from multiple sources. (Course fee required.)

### **EDSS 6524 Practicum in School Psychology I**

*2 semester hours*

This course is the first of a full year (two-semester) field experience with concurrent University seminar for second-year candidates in the School Psychology program. Candidates gain knowledge and experience, practice skills acquired in course work, and demonstrate beginning competency in a wide range of skills and services typically performed by a school psychologist. School Psychology Program only.

### **EDSS 6525 Practicum in School Psychology II**

*2 semester hours*

This course is the second of a full year (two-semester) field experience with concurrent University seminar for second-year candidates in the School Psychology program. Candidates continue to gain knowledge and experience, practice skills acquired in course work, and demonstrate more advanced competency in a wide range of skills and services typically performed by a school psychologist, in preparation for internship the following year. School Psychology Program only.

### **EDSS 6526 Social Responsibility, Violence Prevention, and Crisis Intervention in Schools**

*3 semester hours*

This course focuses on preventive and responsive services to promote resilience and reduce risk in student populations. Candidates learn about the development, implementation, and evaluation of systemic and individual strategies to address issues such as violence, pregnancy, bullying, and suicide. Candidates also learn about best practices in school-based crisis teams, including prevention, preparation, response, and recovery. The importance of collaborating with families and community agencies to ensure safe and violence-free schools is highlighted.

### **EDSS 6528 Social, Emotional, and Behavioral Assessment**

*3 semester hours*

This course teaches candidates to administer and interpret assessments of students' social and emotional functioning in school. Students use assessment results, in conjunction with other data sources to write comprehensive psychoeducational reports with concise conceptualization of how a student's social and emotional issues impact his/her school functioning. (Course fee required.)

### **EDSS 6530 Treatment of Emotional and Behavioral Disorders in Children and Adolescents**

*3 semester hours*

This course focuses on biological, cultural, developmental, and

social influences on emotional and behavioral disorders common in children and adolescents, including autism, ADHD, conduct disorder, mood disorders, eating disorders, substance abuse, and emotional disturbance. Evidence-based academic and mental health interventions are addressed, and contemporary related issues impacting student development are highlighted, such as psychopharmacology, obesity, online/gaming addiction, cyberbullying, and sexuality/gender identity. Field assignments required.

### **EDSS 6532 Seminar in School Systems and Psychological Services**

*3 semester hours*

This course emphasizes the breadth of school psychology roles, functions, and settings of practice, in preparation for internship. Candidates expand their knowledge of school systems, including general education, special education, and other educational and allied services. Principles and research related to organizational development and systems theory within school settings are included, with a key focus on school-wide, empirically-supported practices and interventions that enhance learning and social-emotional development and promote safe, supportive, and effective learning environments.

### **EDSS 6534 Advanced Assessment and Positive Behavioral Intervention**

*3 semester hours*

This course focuses on understanding, assessing, and developing effective interventions to support student behavior at the individual, classroom, and school-wide levels. Candidates learn to conduct Functional Behavioral Assessments, focusing on antecedents, consequences, and functions of behaviors that impede learning and socialization, and they use the data collected to develop and evaluate positive behavior support plans. Candidates also learn about classroom management appropriate to students' developmental level and effective classroom and school-wide programming to promote pro-social behaviors and increase school engagement. Field assignments required.

### **EDSS 6536 Special Issues and Best Practices in School Psychological Services**

*3 semester hours*

This course reviews advanced issues and practices in the delivery of psychological services in school settings. Content includes serving students with low-incidence disabilities, the use of assistive technology, and assessment and intervention with culturally and linguistically diverse students. As part of this course, a leadership module provides candidates with knowledge about leadership in order to effect change in their practice. Field assignments required.

### **EDSS 6538 Supervised Internship in School Psychology I**

*3 semester hours*

This seminar is the final level of supervision for school psychology interns. Under the supervision of both field-based and university-based psychologists, candidates refine their practice and delivery of psychoeducational services in the school setting with the P-12 student population. School Psychology Program only.

### **EDSS 6540 Supervised Internship in School Psychology II**

*3 semester hours*

This seminar is a continuation from previous semester designed to support school psychology interns. Support in preparation for graduation and entry into the profession of school psychology is emphasized. School Psychology Program only.

**EDSS 6600 Evidence-Based Assessment Practices to Promote Student Learning**

*3 semester hours*

This course will focus on evidence-based assessment practices of students with exceptional needs. It will build candidate competency in determining student progress towards content standards; use of instructional strategies and techniques to support learning; and how to use, interpret, understand, and communicate informal/formal assessment results.

Special Education Program only.

**EDSS 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments**

*3 semester hours*

This course will address critical areas of instructional decision making while focusing on evidence-based language and literacy instruction that builds upon the cultural and linguistic backgrounds of students with learner variability in K-8 environments.

Special Education Program only.

**EDSS 6602 Language and Literacy in Culturally and Linguistically Secondary Settings**

*3 semester hours*

This course will address critical areas of instructional decision making while focusing on evidence-based language and literacy instruction that builds upon the cultural and linguistic backgrounds of students with learner variability in secondary school environments.

**EDSS 6603 Creating and Maintaining Effective Environments in Support of Student Learning**

*3 semester hours*

This course is designed to prepare candidates to be able to demonstrate knowledge and skills in creating and maintaining environments for diverse learners that are safe and effective and that also facilitate positive self-esteem and self-advocacy and maximize instructional time. In addition, the candidate will be prepared to demonstrate knowledge of behavior analysis and management strategies, varying communication styles that impact learning, and laws and regulations for promoting behavior that is positive and self-regulatory.

Special Education Program only.

**EDSS 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies)**

*3 semester hours*

This course is designed to provide a foundation for candidates to effectively plan, implement, and evaluate instructional programs in Math, STEM, and Social Studies that are informed by CA K-12 content standards and frameworks, with focus on assessment and ELD/SDAIE strategies in elementary settings that are responsive to the needs of diverse populations and environments.

Special Education Program only.

**EDSS 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies)**

*3 semester hours*

This course is designed to provide a foundation for candidates to effectively plan, implement, and evaluate instructional programs in Math, STEM, and Social Studies that are informed by CA K-12 content standards and frameworks, with focus on assessment and ELD/SDAIE strategies in secondary settings that are responsive to the needs of diverse populations and environments.

Special Education Program only.

**EDSS 6606 Developing Collaborative Partnerships for Inclusive Schooling**

*3 semester hours*

This course is designed to prepare candidates to be able to

collaborate and communicate effectively with individuals with disabilities and their parents, other family members and primary care givers, school administrators, general and special education teachers, specialists, paraprofessionals, and community agency and related service personnel to promote partnerships and inclusive practices, including co-planning/co-teaching with general educators. The candidate will learn how to work in partnership and be able to design, implement, and evaluate integrated services that reflect transitional stages across life span for all learners.

Special Education Program only.

**EDSS 6607 Developing as a Professional Educator**

*2 semester hours*

This course is designed to provide critical content related to professional, legal, and ethical obligations as an educator of students with exceptionalities. Candidates will use reflection and feedback to formulate and prioritize goals for increasing their subject matter knowledge and teaching effectiveness. They develop appropriate plans for professional growth in subject matter knowledge and pedagogy. This course will be offered online.

Special Education Program only.

**EDSS 6608 Research Methods in Special Education**

*3 semester hours*

This course will provide candidates with knowledge and skills in the interpretation and application of evidence-based practices and research methodology in special education. Topics include methods for conducting survey research, experimental and quasi-experimental research, and qualitative research. Emphasizes analyses of specific issues in special education.

Special Education Program only.

**EDSS 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities**

*3 semester hours*

This course will examine advanced evidence-based strategies for accommodating and adapting instruction for exceptional learners with high incidence disabilities who may be culturally and/or linguistically diverse.

Special Education Program only.

**EDSS 6610 Special Topics in Special Education**

*3 semester hours*

This course will explore current issues related to characteristics, educational methods, and curricula, and questions, problems, concerns, and movements connected to the education of children and youth with learning disabilities, emotional/behavioral disorders, and autism spectrum disorders.

Special Education Program only.

**EDSS 6611 Master's Professional Project**

*3 semester hours*

This course supports an applied research project resulting in a paper that involves original collection or treatment of data and/or results. The Professional Project involves original research and exemplifies a contribution to scholarship. The final Professional Project is a paper of scholarly quality and should address a current area of inquiry.

Special Education Program only.

**EDSS 6612 Master's Thesis**

*3 semester hours*

This course supports an original research project resulting in a substantive paper that involves original collection or treatment of data and/or results. The Thesis involves original research and exemplifies an original contribution to scholarship. The final MA Thesis is a paper of scholarly quality and should address a current area of inquiry related to the field. The Thesis is optional for program

completion, and in addition to, the MA Professional Project. It is designed for candidates who are interested in pursuing advanced training and/or doctoral level programs.  
Special Education Program only.

**EDSS 6820 Education of Students with Exceptional Needs in Catholic Schools**

*3 semester hours*

An overview of the problems confronting educators in Catholic schools regarding students with exceptional needs, with a view to developing an understanding of the educational implications for instruction and program planning. An overview of major exceptionalities and implications of recent legislation will be emphasized.

**EDSS 6821 Informal Assessment and Program Development in Catholic Schools**

*3 semester hours*

A survey of strategies for assessing and teaching students with exceptional needs in Catholic schools. Course content includes principles and techniques for assessing learning and behavioral patterns, development of individual learning programs, development and implementation of instructional strategies based on individual needs, and designing and using pupil performance criteria to evaluate pupil learning and behavior. Includes lecture and practicum.

**EDSS 6822 Creating Successful Inclusion Programs**

*3 semester hours*

This course will stimulate discussion and decision making about the mission of individual Catholic schools in providing an appropriate educational experience for all its students. This course will focus on essential components to be included in an individual school's inclusion plan.

**EDSS 6823 Advanced Practicum in Catholic Inclusive Education**

*3 semester hours*

This course is a practicum during which candidates will support staff at practicum sites in the identification, assessment, and intervention of learning differences. Candidates will participate as case managers and engage in trainings for assessment and intervention instruments.

**EDSS 6940 Fieldwork in Mental Health Counseling I**

*3 semester hours*

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed. Credit/No Credit grading.  
Special approval required.

**EDSS 6942 Fieldwork in Multicultural and Social Justice Counseling I**

*3 semester hours*

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed. Credit/No Credit grading.  
Special approval required.

**EDSS 6943 Fieldwork in Doctoral Preparatory Counseling I**

*3 semester hours*

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed. Credit/No Credit grading.  
Special approval required.

**EDSS 6945 Fieldwork in Mental Health Counseling II**

*3 semester hours*

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed. Credit/No Credit grading.  
Special approval required.

**EDSS 6947 Fieldwork in Multicultural and Social Justice Counseling II**

*3 semester hours*

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed. Credit/No Credit grading.  
Special approval required.

**EDSS 6948 Fieldwork in Doctoral Preparatory Counseling II**

*3 semester hours*

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course and a minimum of nine courses in the counseling sequence completed. Credit/No Credit grading.  
Special approval required.

**EDSS 6955 Master's Thesis I**

*1 semester hour*

This course is intended for students working on a master's thesis. The committee chair provides ongoing support for the master's thesis.  
Credit/No Credit grading.

**EDSS 6956 Master's Thesis II**

*1 semester hour*

A continuation of Master's Thesis I for students who have not completed their master's thesis.  
Credit/No Credit grading.  
Special approval required.

**EDSS 6957 Master's Thesis III**

*1 semester hour*

A continuation of Master's Thesis II for students who have not completed their master's thesis.  
Credit/No Credit grading.

Special approval required.

### **EDSS 6970 Fieldwork in School Counseling I**

*3 semester hours*

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course; the CBEST must have been passed, and a minimum of nine courses in the counseling sequence completed.

Credit/No Credit grading.

Special approval required.

### **EDSS 6972 Fieldwork in Guidance Counseling**

*1 semester hour*

One hundred hours of community-based experience working with targeted populations are required for all candidates in the GCNS program. The experience will be designed to facilitate the application of classroom knowledge in various community settings. The chosen experience should be tailored to each candidate's background and future plans and should also be clearly related to the field of guidance and counseling. A proposal for this experience should be submitted to the Director of Fieldwork for approval. Site-based mentors need to be identified and approved.

Credit/No Credit grading.

Consent of Coordinator required with approval by Fieldwork Liaison.

### **EDSS 6980 Fieldwork in School Counseling II**

*3 semester hours*

Work in this area will be developed around supervised on-site fieldwork experiences and seminar sessions on campus. Supervised fieldwork experiences will focus upon the direct application of classroom knowledge and training. Enrollment limited to advanced candidates. An application for fingerprint clearance must be submitted at least two semesters prior to enrolling in this course; the CBEST must have been passed, and a minimum of nine courses in the counseling sequence completed.

Credit/No Credit grading.

Special approval required.

### **EDSS 6984 Internship Fieldwork Supervision**

*1 semester hour*

A continuation of EDSS 6980, Fieldwork Specialization.

### **EDSS 6990 Fieldwork in School Counseling III**

*3 semester hours*

A continuation of EDSS 6970, Fieldwork in School Counseling I. Prior to enrollment, candidate must have completed EDSS 6980, Fieldwork Specialization. Concurrent enrollment in EDSS 6970, EDSS 6980, and 6990 is not permitted.

Credit/No Credit grading.

Special approval required.

### **EDSS 6995 Comprehensive Examination**

*0 semester hours*

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be a written and/or oral examination. Candidates should register for the specific section required for their program. Fee required.

Credit/No Credit grading.

Special approval required.

### **EDSS 6998 Special Studies**

*1 TO 3 semester hours*

### **EDSS 6999 Independent Studies**

*1 TO 3 semester hours*

## **Specialized Programs in Urban Education (EDUR)**

### **EDUR 400 Sociocultural Analysis of Education**

*3 semester hours*

A study of the sociological and anthropological analysis of contemporary education with emphases on historical and cultural contexts, culturally sensitive pedagogy, cultural and ethnic diversity, social/cultural issues, equity, access to the core curriculum, and demographic trends in schools and society. Emphasis is placed on the preparation of professionals for the teaching profession and their awareness of social, psychological, and cultural forces shaping society today so that they are prepared to work with all learners.

This course is designed for undergraduates in the traditional and/or blended teacher preparation program.

Sophomore or higher standing required.

University Core fulfilled: Integrations: Ethics and Justice; Flags:

Engaged Learning, Oral Skills.

### **EDUR 498 Special Studies**

*1 TO 3 semester hours*

### **EDUR 499 Independent Studies**

*1 TO 3 semester hours*

### **EDUR 5000 Cultural Paradigms of Education**

*3 semester hours*

A study of the sociological and anthropological analysis of contemporary education with emphases on cultural contexts, culturally sensitive pedagogy, cultural and ethnic diversity, social/cultural issues, and demographic trends in schools and society. Emphasis is placed on the preparation of professionals for the teaching profession and their awareness of social, psychological, and cultural forces shaping society today. Fieldwork is required.

### **EDUR 5004 Elementary School Literacy and Language Development**

*2 semester hours*

The theoretical basis of literacy and approaches, methods, and techniques for teaching literacy skills in diverse urban school settings, will be explored. Training is provided in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse students, ELD, and SDAIE. The course will provide students with opportunities to acquire knowledge, skills, and the ability to deliver comprehensible instruction to English Learners and to develop lessons promoting students' access and achievement in relation to state adopted academic content standards. Strategies are grounded in theories of language acquisition and the state standards for English Language Arts.

### **EDUR 5005 Literacy in the Content Areas**

*2 semester hours*

This course is designed to develop an understanding of the nature of literacy and how it impacts content area learning. Training is provided in a variety of instructional methodologies including strategies designed for culturally and linguistically diverse students, ELD and SDAIE. The course will provide students with opportunities to acquire knowledge, skills, and the ability to deliver comprehensible instruction to English Learners and to develop lessons promoting students access and achievement in relation to state adopted academic content standards. Strategies are grounded in theories of language acquisition.

### **EDUR 5010 Theories of Teaching, Learning, and Assessment**

*2 semester hours*

Candidates will be exposed to current theories of teaching, learning, and assessment. Special attention will be given to the practical application of the theories in urban PK-12 school settings.

**EDUR 5012 Culture and Language Learning in Urban Education**

*3 semester hours*

Sociological and anthropological analysis of the role that language and culture play in urban education. Second language acquisition will be explored in depth.

**EDUR 5014 Multiple Subjects in Curriculum and Instruction**

*3 semester hours*

This course covers curriculum and instruction in a multiple subjects classroom. Content includes unit and lesson design in Math, Science, Social Science. Culturally and linguistically diverse student needs will be emphasized.

**EDUR 5016 Teaching Students with Special Needs in Urban Education**

*3 semester hours*

This class will focus on the education of special needs students in urban K-12 classrooms.

**EDUR 5018 Research in Urban Education**

*3 semester hours*

This is the capstone course in the Urban Education program. Students will be expected to complete a research project focusing in urban education.

**EDUR 5020 Research Project in Urban Education**

*1 semester hour*

This course is a continuation of EDUR 5018 (Research in Urban Education). Candidates focus on collecting and analyzing findings of the research project started in EDUR 5018. In addition to regular class meetings, candidates are expected to meet individually with a faculty advisor to refine and revise the final research project. A final research paper, approved by a faculty committee, is required for the course.

Prerequisite: EDUR 5018.

**EDUR 5021 Teaching English Learners**

*2 semester hours*

Course content includes theoretical perspectives in first and second language learning, language teaching methodologies, assessment, identification, and program placement for Limited English Proficient students. Historical, political, legal, and social factors related to second language acquisition are addressed, including the history of bilingual education, federal, state, and local legislation, bilingual education models, and the role of parents and paraprofessionals in English language development.

**EDUR 5022 Transforming Pedagogy**

*1 semester hour*

Transformative Pedagogy is an online seminar that explores transformative pedagogies of education and their significance for urban schools. Through conceptual and practical knowledge development, intern teachers learn how to integrate transformative pedagogies into their own teaching practices. They also develop and critically construct their personal philosophy on teaching. Candidates are also introduced to components of on-line and blended instruction so that they may critically examine how digital technologies impact teaching and learning.

**EDUR 5023 Introduction to Teaching and Learning**

*3 semester hours*

This course is for credential candidates who will be the teacher of record in a public or private school classroom. Candidates complete this course in the semester prior to the full-time teaching assignment. Seminars will focus on effective classroom practice and teaching, reflective problem-solving, introductory practices for Literacy, and an introduction to human development (including learning theories which impact social and emotional development). Candidates are provided with experiences that will help them become prepared to teach while continuing to study for the California teaching credential. Candidates will be expected to develop skills related to classroom management, lesson planning, instructional strategies, and data driven assessment. Candidates must have access to a field placement during the class.

**EDUR 5024 Critical Issues in Education**

*3 semester hours*

A sociological and anthropological analysis of contemporary education emphasizing the historical/cultural context, culturally responsive pedagogy, cultural and ethnic diversity, equity, access to the core curriculum, and intersectionality in schools and society. Candidates discuss factors which impact education including various learning needs and stages of human development as it relates to culture. This class also addresses theoretical perspectives on the language learning experience of English learners. The course emphasizes the preparation of professionals for the teaching profession and their awareness of social, systemic, and cultural forces shaping schooling today so that they are prepared to work with all learners, take a critical, active stance, collaborate with community, and make an impact on educational opportunity gaps.

**EDUR 5025 Introduction to Elementary Methods and Literacy**

*3 semester hours*

This course is designed to provide opportunities for elementary intern teachers to identify, experience, and describe current best practice pedagogy for multiple content areas in elementary classrooms. Because literacy is a foundational component of elementary education, the course is based on a progression of English Language Arts development with the integration of other disciplines including mathematics, social studies, science, the arts, physical education, and technology. Candidates will explore topics including classroom culture and management, inquiry in teaching and learning, differentiation, thematic unit and lesson planning, student engagement, and assessment for/as learning. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Course content is connected to culturally and linguistically diverse students in urban education settings, 21st century teaching and learning, and special population needs so interns can teach in fully inclusive urban classrooms. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

**EDUR 5026 Development of Elementary Methods and Literacy**

*3 semester hours*

This course is a continuation of the Introduction to Elementary Methods course. It is designed to provide opportunities for elementary intern teachers to utilize current best practice pedagogy and create educational opportunities in multiple content areas in elementary classrooms. Because literacy is a foundational component of elementary education, the course is based on a progression of English Language Arts development with the integration of other disciplines including mathematics, social studies, science, the arts, physical education, and technology. Candidates will implement their knowledge of topics including classroom culture and management, inquiry in teaching and learning, differentiation, thematic unit and lesson planning, student engagement, and assessment for/as learning. Advance strategies for inclusion

including RTI, MTSS, and UDL will be developed in this class. Course content is connected to culturally and linguistically diverse students, 21st century teaching and learning, and special population needs so interns can teach in fully inclusive classrooms. Work completed for this course is expected to align with candidates' day-to-day teaching experience.  
Prerequisite: EDUR 5025.

### **EDUR 5027 Introduction to Assessment**

*1 semester hour*

The seminar style course will assist candidates in the area of evidence-based inquiry with the support and advice of their fieldwork and course instructors. This class will focus on effective approaches in assessment and learning in an inquiry-based classroom. It will include inclusive approaches to engage diverse students and will use critical pedagogy as the theoretical foundation. Candidates will utilize the Universal Design for Learning (UDL) framework and work of Rick Wormeli as a foundation to meet the course outcomes. Candidates will be familiar with several key tenets and types of assessment for students learning in an urban setting. Candidates will be familiarized with literacy assessments to develop RICA test preparation knowledge. This course will require active online and in-class assignments, discussions, and participation.

### **EDUR 5028 Advanced Assessment for Teachers**

*1 semester hour*

This advanced assessment seminar style course is a continuation of Introduction to Assessment as it provides evidence-based inquiry with the support and advice of their fieldwork and course instructors. Candidates in this course will critically reflect on the theory and practice of teaching and learning, as well as explore best practices in urban education. The focus of the course will be dedicated to improving teaching practice, with evidence-based inquiry as a cornerstone in the development of each candidate's practice. Candidates will reflect on their teaching experience over the past year culminating in the submission of the REAL e-portfolio. This course will require active online and in-class assignments, discussions, and participation.  
Prerequisite: EDUR 5027.

### **EDUR 5029 Introduction to Secondary Mathematics and Literacy**

*2 semester hours*

Candidates will learn how to design, deliver, and assess mathematics instruction for all students in grades 6-12. This course focuses on creating learning experiences in mathematics that are active, connected, sensory, emotional, and center on problem solving and communication as fundamental to learning mathematics. Candidates learn how to teach mathematical thinking through the eight Common Core Standards for Mathematical Practices within the context of storytelling and the engineering design process. Candidates learn how to engineer high impact instruction through the Mathematics Learning by Design (MLD) five instructional moves (lesson cycle) and a unique grading system that supports assessment as learning for all students, including English Learners (EL) and students with disabilities (SN). Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

### **EDUR 5030 Advanced Secondary Mathematics and Literacy**

*2 semester hours*

Candidates will learn how to coach students in developing the mathematical reasoning and procedural skills needed to design creative solutions to complex problems. The course includes inclusive approaches to engage diverse students and will use the Universal Design for Learning (UDL) framework and the National

Council of Teachers of Mathematics (NCTM) Principles to Actions framework as a foundation to meet the course outcomes. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Further, candidates in this course will critically reflect on the theory and practice of mathematical literacy. The focus of the course will be dedicated to improving mathematical teaching practice, with student evidence analysis as a cornerstone in the development of each candidate's practice. Through this course, candidates will be provided the tools and practice to successfully complete the edTPA and the culminating REAL e-portfolio. This course will require active online and in-class assignments, discussions, and participation.  
Prerequisite: EDUR 5029.

### **EDUR 5031 Introduction to Approaches to Teaching Science and Literacy**

*2 semester hours*

This one semester course introduces candidates to teaching secondary science using an inquiry approach by integrating the three dimensions: Science and Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas (NRC, 2012) with literacy, in an effort to meet the performance expectations outlined in the Next Generation Science Standards (NRC, 2013). The emphasis of the course is "how" to teach science; methods for long and short range planning, unit plan design, and creation of authentic assessments are woven together to support teachers in creating effective learning environments for all learners. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines, and teaches candidates how to organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. This course requires active participation both in-class and online through activities, assignments, discussions, and fieldwork. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

### **EDUR 5032 Contemporary Approaches to Teaching Science and Literacy**

*2 semester hours*

This one semester course provides students with a comprehensive and in-depth analysis of effective approaches to planning, implementing, managing, and assessing effective secondary science instruction for all students. Candidates will utilize the 5E model to plan instruction, link scientific knowledge to instructional pedagogy, integrate literacy instruction, effectively engage students through inquiry and science phenomena, design measurable learning objectives that drive instruction, and create/implement formative and summative assessments. This course embeds inclusive approaches to engage all students through the use of the Universal Design for Learning (UDL) guidelines, and teaches candidates how to organize learning to connect to student culture, prior knowledge, interests, goals, and diverse learning needs. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Candidates in this course will critically reflect on the theory, practice and impact of science literacy. This course requires active participation both in-class and online through activities, assignments, discussions, and fieldwork.  
Prerequisite: EDUR 5031.

### **EDUR 5033 Introduction to Approaches to Teaching Social Science and Literacy**

*2 semester hours*

This course introduces teaching techniques, innovations, and development of teaching and evaluation skills in the area of secondary school social studies. The emphasis of the course is "how" to teach social studies, as well as some theoretical

exploration of the history, purposes, and direction of social studies. Students will learn, practice, and reflect on the technical aspects of the art and science of teaching social studies, including the adaptation of instruction to individual learner differences, and selection and design of instructional materials. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

### **EDUR 5034 Contemporary Approaches to Teaching Social Science and Literacy**

*2 semester hours*

This course provides students with a comprehensive and in depth analysis of effective approaches to planning, implementing, managing, and assessing successful social studies learning experiences for students. This is the second semester of a year-long methods course. This semester we will examine the following areas of social studies education through the lens of historical content: standards and accountability, curriculum/unit/lesson planning and delivery, contemporary inquiry-oriented approaches for teaching social studies, assessment in the social studies and multiculturalism. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.  
Prerequisite: EDUR 5033.

### **EDUR 5035 Introduction to Teaching English Language Arts in a Departmentalized Setting**

*2 semester hours*

This course will include a variety of teaching strategies for teaching ELA in typical departmentalized settings in Middle and Secondary schools. Students in the course will participate in whole class discussions, in and out of class evaluations of contemporary ELA teaching and learning, and the design of materials and approaches for teaching contemporary ELA. The instructor for the course will facilitate these activities and provide formative assessment feedback for each student. Each class will include in-depth discussions and all classes will require the use technology. The class will be facilitated using web-based resources. The instructor will facilitate student work on individual class projects via email communication, online discussion forums, and synchronous video conferencing and in person class meetings. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for students in ELA focusing on reading, writing, speaking, and listening.

### **EDUR 5036 Contemporary Approaches to Teaching English Language Arts in a Departmentalized Setting**

*2 semester hours*

This course builds on knowledge established in the introductory course on teaching ELA in a departmentalized setting. The focus of this class will be on strategies that help students to produce argumentative, information, and narrative texts. Candidates will learn how to select appropriate teaching strategies to develop students' abilities to read and comprehend narrative and information texts. Candidates will also model and assist student to integrate technology and media into language arts when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.  
Prerequisite: EDUR 5035.

### **EDUR 5037 Introduction to Teaching World Languages in a Departmentalized Setting**

*2 semester hours*

This class will address the communicative approach to language instruction. Candidates will learn strategies that will allow them to design and implement instruction that assures all students meet the state adopted standards for World Languages and the English Language Development standards. Candidates learn how to integrate the target culture in their instruction. Major themes include: proficiency-based instruction; the competency-based classroom/curriculum; critical issues in the reception and the production stages of second language acquisition; the nature of language, including basic linguistics. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state adopted academic content standards for World Languages focusing on reading, writing, speaking, and listening.

### **EDUR 5038 Contemporary Approaches to Teaching World Languages in a Departmentalized Setting**

*2 semester hours*

This course builds on knowledge established in the introductory course on teaching World Languages in a departmentalized setting. The focus of this class will be on strategies that help students to produce argumentative, information, and narrative texts in the target language. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist students to integrate technology and media into their language learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.  
Prerequisite: EDUR 5037.

### **EDUR 5039 Introduction to Teaching Physical Education in a Departmentalized Setting**

*2 semester hours*

This course covers Physical Education programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Physical Education, including the Common Core. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for Physical Education.

### **EDUR 5040 Contemporary Approaches to Teaching Physical Education in a Departmentalized Setting**

*2 semester hours*

This course builds on knowledge established in the introductory course on teaching Physical Education in a departmentalized setting. The focus of this class will be on strategies that help students to develop a disposition towards a healthy lifestyle including problem solving barriers to physical activity participating throughout life. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their language learning when conducting research, producing and

publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5039.

### **EDUR 5041 Introduction to Teaching Industrial and Technology Education in a Departmentalized Setting**

*2 semester hours*

This course covers Industrial Technology Education programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California.

Emphasis is placed on the California standards and framework for Industrial Technology Education, including the Common Core.

Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

### **EDUR 5042 Contemporary Approaches to Teaching Industrial and Technology Education in a Departmentalized Setting**

*2 semester hours*

This course builds on knowledge established in the introductory course on teaching Instructional Technology in a departmentalized setting. The focus of this class will be on strategies that help students understand and use the design process as a problem-solving model. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and to develop an understanding of the real world applications of technology with the goal of providing a foundation for IT related career choices. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5041.

### **EDUR 5043 Introduction to Teaching Music in a Departmentalized Setting**

*2 semester hours*

This course covers Music programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Music, including the Common Core. Candidates learn strategies for teaching music theory and analysis including transcription of musical excerpts. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

### **EDUR 5044 Contemporary Approaches to Teaching Music in a Departmentalized Setting**

*2 semester hours*

This course builds on knowledge established in the introductory course on teaching Music in a departmentalized setting. The focus of this class will be on strategies that help students to sight-sing, sight-read, improvise, compose, and arrange music using Western and non-Western works. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their instruction when conducting research, producing and

publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5043.

### **EDUR 5045 Introduction to Teaching Health Science in a Departmentalized Setting**

*2 semester hours*

This course covers Health Science programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to K-12 classrooms; explores methods of long and short range planning, effective use of textbooks to design instruction, unit plans and lesson planning; assessment, and differentiated instruction to support student achievement of the California. Emphasis is placed on the California standards and framework for Health Science, including the Common Core. Topics include coordinated health school systems, positive youth development and resiliency, personal health, and resiliency. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through on-line course experiences, candidates will model and develop digital literacy for instruction.

### **EDUR 5046 Contemporary Approaches to Teaching Health Science in a Departmentalized Setting**

*2 semester hours*

This course builds on knowledge established in the introductory course on teaching Health Sciences in a departmentalized setting. The focus of this class will be on strategies that help students identify behaviors that enhance or compromise personal health and well-being. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist student to integrate technology and media into their learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class.

Prerequisite: EDUR 5045.

### **EDUR 5047 Introduction to Teaching Art in a Departmentalized Setting**

*2 semester hours*

This class will address the communicative approach to language instruction. Candidates will learn strategies that will allow them to design and implement instruction that assures all students meet the state adopted standards for Art and the English Language Development standards. Candidates learn strategies that model and encourage student creativity, flexibility, collaboration and persistence in solving artistic problems. Candidates also learn how to teach students about the cultural contribution of Art. Candidates will also be expected to be able to plan for effective subject matter instruction and use multiple means of representing, expressing, and engaging students. Through online course experiences, candidates will model and develop digital literacy for instruction. Candidates will also be expected to demonstrate through supervised field experiences that they are able to teach the state-adopted academic content standards for Art.

### **EDUR 5048 Contemporary Approaches to Teaching Art in a Departmentalized Setting**

*2 semester hours*

This course builds on knowledge established in the introductory course on teaching Art in a departmentalized setting. The focus of this class will be on strategies that help students to produce various Art pieces including painting, sculpture, textile arts, and multimedia. This class will also focus on assessment strategies for formative and summative assessments. Candidates will also model and assist

student to integrate technology and media into their learning when conducting research, producing and publishing writing, and creating multimedia presentations. Advance strategies for inclusion including RTI, MTSS, and UDL will be developed in this class. Prerequisite: EDUR 5047.

**EDUR 5501 Practicum: Educational Practices in Action in Secondary Math and Science Classrooms**

*3 semester hours*

Candidates learn how to model professional behavior that addresses job responsibilities and the expectations of mathematics or science secondary teachers working in a multilingual, multicultural, and economically diverse community.

**EDUR 5503 Practicum: Differentiated Education in Action in Secondary Math and Science Urban Education**

*3 semester hours*

Candidates learn how to consistently strategically apply math or science teaching practices that involve students as active participants in the assessment process where both become advocates for student learning and achievement needs. Consent of Coordinator required.

**EDUR 5505 Research-Supported Math/Science Practices in Urban Education**

*3 semester hours*

This course helps candidates design and implement a mathematical or scientific learning environment that builds on the strengths that students bring to the teaching/learning process and reverses the achievement gap between subgroups within a school. Consent of Coordinator required.

**EDUR 5580 Teaching Mathematics and Science in Urban Schools**

*3 semester hours*

Candidates learn how to implement instruction that reverses the achievement gap and improve student engagement and achievement in mathematics or science by engaging students in a learning culture that values mathematical and scientific thinking.

**EDUR 5581 Mentorship in Math and Science Education**

*3 semester hours*

This course is designed to build authentic and trusting relationships that value a teacher's paradigm within the context of expected exceptional practice aligned with effective students learning. The use of data to create and move through disequilibrium to strengthen student learning of math or science will be discussed.

**EDUR 5582 Collaboration in Math and Science Education**

*3 semester hours*

Candidates learn how to design, plan, and implement a learning environment based on cooperative planning, constant collaboration, close unity, unrestrained communication, and sincere sharing. Candidates learn how to collaborate on learning, risk-taking, innovation, and change within the context of interdependence. Consent of Coordinator required.

**EDUR 5998 Special Studies**

*1 TO 3 semester hours*

**EDUR 5999 Independent Studies**

*1 TO 3 semester hours*

**EDUR 6100 Anthropological Analysis of Cultural Diversity**

*3 semester hours*

An in-depth study of cultural diversity using methods from

educational sociology and anthropology. The course will examine the major theoretical models advocating responses to cultural diversity and their practical implications for education. Themes/issues covered: contemporary demographics, genetic and cultural deficit theory, cultural mismatch theory, cultural ecological theory, sociocultural theory (neo-Vygotskian) and culturally responsive instruction, multicultural education and intercultural communication, critical pedagogy, and qualitative evaluation.

**EDUR 6102 The Context of Schooling**

*3 semester hours*

This course focuses on the governmental, political, financial, legal, and historical perspectives of education in the United States. Students are given opportunities to integrate course topics and relate policy initiatives to the welfare of all students in responsible and ethical ways. School governance and management of human and fiscal resources in culturally diverse settings are stressed.

**EDUR 6252 Secondary School Curriculum and Methods for Language Arts and Social Studies**

*3 semester hours*

Objectives, methods, materials, and problems involved in teaching language arts and social studies in the secondary schools. Explores methods of long and short range planning, course overviews, unit plans and lesson planning. Presents alternative strategies of instruction and methods of diagnosing needs and evaluating learning. Current approaches to classroom discipline, management, and organization are studied.

**EDUR 6324 Technology in Multilingual Settings**

*3 semester hours*

Offered as an elective, this course emphasizes the use of instructional technologies with multilingual population. Of particular emphasis is the bridging of the Digital Divide, access and equity in technology with diverse populations, and uses of instructional technology within dual language contexts.

**EDUR 6327 Learning and Teaching with Technology**

*3 semester hours*

In this course, constructivism will be explored as a foundation for teaching and learning with technology. The course will explore how technology can be used to promote the notion that students construct knowledge rather than just receive knowledge passively.

**EDUR 6328 Survey of Digital Technologies for Urban Education**

*3 semester hours*

This course explores how different technologies can be used to promote equity in teaching and learning in urban schools. As technology evolves, candidates study how new forms of technology, beyond the personal computer, can be used for teaching and learning. Candidates will create projects using these new technologies.

**EDUR 6329 Assistive Technology**

*3 semester hours*

Students with special needs benefit the most from the use of technology for teaching and learning. In this course, candidates learn the principles of universal design for learning, review federal and state laws regarding the education of students with special needs, and the use of appropriate technology to promote high standards for all students.

**EDUR 6955 Master's Thesis I**

*1 semester hour*

This course is intended for students working on a Master's thesis. The committee chair provides ongoing support for the Master's thesis. Credit/No Credit grading.

**EDUR 6956 Master's Thesis II**

*1 semester hour*

A continuation of Master's Thesis I for students who have not completed their Master's thesis.

Credit/No Credit grading.

Special approval required.

**EDUR 6957 Master's Thesis III**

*1 semester hour*

A continuation of Master's Thesis II for students who have not completed their Master's thesis.

Credit/No Credit grading.

Special approval required.

**EDUR 6960 Introduction to Teaching and Learning**

*3 semester hours*

This course is for candidates who are employed as full-time teachers either in a private/parochial school or with an emergency permit or intern credential in a public school. This prerequisite should be one of the first courses in the combined Master's/teaching credential program sequence. Seminars focus on analysis of effective classroom practices and problem solving. Initial on-site assessment will be made by a university supervisor as to professional competency in all phases of the multiple or single subject credential program. Areas for professional growth and development are identified and addressed individually through portfolio assessment. Candidates must submit a school-site supervisor/mentor contract agreement. Additionally, for private/parochial school teachers, this course requires 30 hours of public school observation/participation and a comprehensive journal. Application for fingerprint clearance must be submitted by private/parochial teachers immediately upon enrollment in this course.

Special approval required.

**EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching**

*3 semester hours*

This course is for candidates who are employed as full-time teachers either in a private/parochial school or with an emergency permit or intern credential in a public school. This should be the last course in the combined Masters/teaching credential program sequence. Supervised field experience, portfolio assessment of personal growth, development, problem solving and documentation of teaching competencies will be completed during this course. Candidates must submit a school site supervisor/mentor contract agreement. Additionally, for private/parochial school teachers, this course requires 30 hours of public school observation/participation and a comprehensive journal. The EDUR 6960/6961 course sequence meets the California State requirement of student teaching for multiple and single subject credential candidates. Only one other course may be taken during the semester of fieldwork supervision.

Special approval required.

Prerequisites: EDUR 6960, all professional education courses in program sequence, including Health Education (EDES 8000), formal documentation of completed subject matter competency, and passage of all appropriate examinations.

**EDUR 6963 Seminar in Advanced Teaching Methodologies**

*3 semester hours*

Candidates build on the material that was learned in the methodology course for the teaching credential program. In this course, candidates are presented with more strategies that promote high standards for all students. The theories behind these strategies are also discussed.

**EDUR 6968 Action Research in Urban Education**

*3 semester hours*

In this course, candidates will learn how to use self-reflection to improve their practice as urban classroom teachers. Using real classroom experiences, candidates will learn how to systematically and collaboratively identify a problem, collect data, and evaluate solutions. Emphasis is placed on journal writing, observation skills, and methods for sharing the action research project. Case studies will be examined, and candidates will create an action research project in an urban education setting.

**EDUR 6995 Comprehensive Examination**

*0 semester hours*

The Comprehensive Examination is usually taken during, or immediately following, the last semester of coursework completion. It may be a written and/or oral examination. Candidates should register for the specific section required for their program.

Fee required.

Credit/No Credit grading.

Special approval required.

**EDUR 6998 Special Studies**

*1 TO 3 semester hours*

**EDUR 6999 Independent Studies**

*0 TO 3 semester hours*

**Electrical Engineering (ELEC)****ELEC 210 Electric Circuit Analysis**

*3 semester hours*

Introduction to the principles of electric circuit analysis, DC, AC, transient and steady-state response of electric circuits; electric power.

Lecture, 3 hours; Laboratory, 2 hours.

Corequisite: ELEC 213.

Prerequisite: MATH 131.

**ELEC 213 Electric Circuit Analysis Lab**

*0 semester hours*

Laboratory experiments on electric circuits. This is a companion laboratory course to the electric circuit analysis course.

Corequisite: ELEC 210.

Prerequisite: MATH 131.

Engineering majors only.

**ELEC 220 Electric Circuit Applications**

*3 semester hours*

Laplace transform applications, network functions, frequency response, analog filters, two-port networks, three phase power, magnetic circuits.

Lecture, 3 hours.

Prerequisites: ELEC 210; MATH 245 or concurrent enrollment.

**ELEC 260 Introduction to Electricity and Applications**

*3 semester hours*

Presentation of a brief history of electricity and electrical devices. Introduction to basic concepts of circuit and system analysis, electronic instruments, devices and modern electric equipment. Demonstrations of concepts and devices are included.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**ELEC 281 Logic Design**

*3 semester hours*

Introduction to computer systems, number systems. Boolean algebra, combinational and sequential logic design, minimization and analysis techniques. Concepts of programmable logic devices.

Lecture, 3 hours.

### **ELEC 298 Special Studies**

*0 TO 3 semester hours*

### **ELEC 299 Independent Studies**

*1 TO 3 semester hours*

### **ELEC 301 Junior Lab I**

*3 semester hours*

Introduction to the use of contemporary lab equipment and techniques of measurement and experimentation; introduction to technical report writing; class is used to provide a laboratory experience related to junior level courses.

Laboratory, 3 hours; Lecture, 1 hour.

Prerequisites: ELEC 220, ELEC 281, and concurrent enrollment in ELEC 353 or permission of the instructor.

### **ELEC 302 Junior Lab II**

*3 semester hours*

Continuation of ELEC 301 with emphasis on design; introduction to use of CAD tools and FPGA based system design.

Laboratory, 4 hours.

Prerequisites: ELEC 301 and ELEC 383; concurrent enrollment in ELEC 354.

### **ELEC 353 Electronics I**

*3 semester hours*

Fundamentals of semiconductor devices and the physics of their operation. Applications of semiconductor devices in electronic circuits and device modeling. Introduction to CAD tools. Design of single stage amplifiers.

Lecture, 3 hours.

Prerequisite: ELEC 220.

### **ELEC 354 Electronics II**

*3 semester hours*

Introduction to engineering design methods utilized in the synthesis of contemporary analog electronic circuits including extensive use of CAD tools. Topics include multitransistor circuits, large signal limitations, feedback techniques, amplifier frequency response, stability and oscillation.

Lecture, 3 hours.

Prerequisite: ELEC 353.

### **ELEC 361 Electromagnetics**

*3 semester hours*

Introduction to Maxwell's equations, wave propagation, transmission line theory, and the solution of static and time varying field problems.

Lecture, 3 hours.

Prerequisites: MATH 355 and PHYS 201.

### **ELEC 371 Linear Systems**

*3 semester hours*

Time and frequency domain analysis of continuous and discrete-time signals and systems. Signal characterization, Laplace transform, Z-transform, Fourier series, Fourier transform, discrete Fourier transform, State variable analysis. Applications to differential and difference equations.

Lecture, 3 hours.

Prerequisite: ELEC 220.

### **ELEC 383 Introduction to Microprocessors**

*3 semester hours*

Basic concepts in design and organization of microprocessors and microcomputers. Assembly language programming design for incorporating peripheral devices in solving application designs. Not open to CMSI majors.

Lecture, 3 hours.

Prerequisite: ELEC 281.

### **ELEC 385 Computer System Design**

*3 semester hours*

Formal description of digital systems. Design of functional subsystems. Organization and design of general purpose digital computers and of special purpose digital systems.

Lecture, 3 hours.

Prerequisites: CMSI 284 and ELEC 281.

### **ELEC 398 Special Studies**

*1 TO 4 semester hours*

### **ELEC 399 Independent Studies**

*1 TO 4 semester hours*

### **ELEC 400 Design Methodology**

*2 semester hours*

An introduction to systems engineering, including a study of design methodology and development of professional project-oriented skills such as communication, team management, creative problem solving, interpersonal management, and leadership skills.

Lecture, 2 hours.

Corequisite: ELEC 401.

### **ELEC 401 Senior Lab I**

*3 semester hours*

Course is intended to provide a laboratory experience related to other senior level courses; emphasis is on design, technical report writing, and oral presentation.

Laboratory, 4 hours.

Prerequisites: ELEC 302, ELEC 354, and ELEC 383.

Corequisite: ELEC 400.

### **ELEC 402 Senior Project**

*3 semester hours*

A study of design methodology and development of professional project-oriented skills including communication, team management, creative problem solving, interpersonal management, and leadership skills. Team project activities are used to apply project-oriented skills to solution of design problems. Periodic design reports and design reviews are presented to, and critiqued by the faculty and the design team.

Lecture, 1 hour; Laboratory, 3 hours.

Prerequisites: ELEC 400 and ELEC 401.

### **ELEC 423 Communications I**

*3 semester hours*

Review of topics in Signals and Systems, Fourier transform and frequency-domain analysis. Introduction to the principles of operation of typical analog and digital communication systems. Extensive discussion on modulation and demodulation.

Lecture, 3 hours.

Prerequisite: ELEC 371.

### **ELEC 424 Communications II**

*3 semester hours*

Fundamentals of probability, random variables, and random processes. Performance analysis of typical communication systems. Introduction to information theory and coding theory.

Lecture, 3 hours.

Prerequisite: ELEC 423.

### **ELEC 453 Digital Integrated Electronics**

*3 semester hours*

Extensive coverage of digital integrated circuit design, including

TTL, NMOS, CMOS and BiCMOS digital logic circuits, Read Only Memory (ROM), and Random Access Memory (RAM).

Lecture, 3 hours.

Prerequisites: ELEC 281 and ELEC 354.

### **ELEC 462 Microwave and Optical Communications**

*3 semester hours*

Applications of electromagnetic theory. Topics include transmission lines, waveguides, impedance transformations and matching, passive devices, scatter parameters and their applications in circuits, antennas and wave propagation, fiber optics and other communication links.

Lecture, 2 hours; Laboratory, 3 hours.

Prerequisite: ELEC 361.

### **ELEC 472 Control Systems**

*3 semester hours*

Analysis and design of feedback systems using root locus, Bode, Nyquist, and state variable techniques; introduction to discrete feedback control system analysis.

Lecture, 3 hours.

Prerequisite: ELEC 371.

### **ELEC 481 Introduction to Computer Networks**

*3 semester hours*

This course provides a basic introduction to computer networking. The topics covered include: types and uses of computer networks, data transmission, protocols and protocol layering, packets, message transactions, layered architecture, and a client-server introduction.

Lecture, 3 hours.

Senior standing and permission of instructor required.

### **ELEC 498 Special Studies**

*1 TO 4 semester hours*

### **ELEC 499 Independent Studies**

*1 TO 4 semester hours*

### **ELEC 521 Introduction to Communication Systems**

*3 semester hours*

The concepts of signal formulation, modulation, transmission and reception, and demodulation of signals in noise will be discussed.

Prerequisites: ELEC 423 and ELEC 532, or equivalents.

### **ELEC 525 Digital Signal Processing**

*3 semester hours*

The representation, analysis, and processing of discrete signals are discussed. Topics include sampling, quantization, Z-transform of signal, discrete Fourier and fast Fourier transforms, analysis and design of digital filters, and spectral estimation of random digital signals.

Prerequisite: ELEC 371.

### **ELEC 532 Probability and Random Processes**

*3 semester hours*

Studies of probability, random variables, stochastic processes, correlation, power spectral density, and linear mean-square estimation with emphasis on their application to electrical engineering are included.

Senior or graduate standing required.

### **ELEC 552 Semiconductor Device Physics**

*3 semester hours*

In-depth coverage of semiconductor device physics, including: principle of quantum mechanics, carrier transport phenomena in semiconductor materials, P-N junctions, metal-semiconductor and semiconductor heterojunctions, and MOS transistors.

Prerequisite: ELEC 353 or equivalent.

### **ELEC 561 IC Fabrication Processes**

*3 semester hours*

Overview of processes in manufacture of integrated circuits. Topics include: single crystal growth, oxide growth, photolithographic processes, ion implantation and impurity diffusion, metal deposition, and passivation and packaging of chips. Use is made of Unix workstations for modeling and simulation.

Prerequisite: ELEC 353 or equivalent.

### **ELEC 562 Digital System Design with VHDL**

*3 semester hours*

Computer aided design of digital VLSI (Very Large Scale Integrated) systems using Very High Speed Integrated Circuits (VHSIC) Hardware Description Language (VHDL).

Prerequisites: ELEC 281 and ELEC 383, or equivalents.

### **ELEC 563 ASIC Design**

*3 semester hours*

Topics include programmable logic devices and gate array architectures, programmability of PLDs and gate arrays, field programmable gate arrays (FPGAs) and applications of FPGAs in digital system design. Course includes laboratory experiments and extensive use of Computer Aided Design tools.

Prerequisites: ELEC 383 and ELEC 562, or permission of instructor.

### **ELEC 567 Introduction to Digital VLSI Design**

*3 semester hours*

Custom and semi-custom design of VLSI circuits using standard cells, design methodologies of advanced complementary metal-oxide-semiconductor (CMOS) circuits, and simulation of designed circuits will be emphasized. At the end of the semester, circuits designed by the students will be sent for fabrication through MOSIS and later tested by the students for functionality.

Prerequisite: ELEC 383 or permission of instructor.

### **ELEC 583 Finite State Machines**

*3 semester hours*

An introduction to the theory and design of finite state automata and sequential machines.

Prerequisite: ELEC 281 or equivalent.

### **ELEC 584 Introduction to Microprocessors II**

*3 semester hours*

Design and applications of 32-bit microprocessors. Topics include: basic concepts, software, architecture, programming, interfacing, and system design.

Prerequisite: ELEC 383 or equivalent.

### **ELEC 585 Computer Organization and Architecture**

*3 semester hours*

System structure of minicomputers and main frame computers. Structured memory based systems; parallel and multiunit processors; introduction to input/output processing.

Prerequisite: ELEC 385 or equivalent.

### **ELEC 598 Special Studies**

*1 TO 4 semester hours*

### **ELEC 599 Independent Studies**

*1 TO 4 semester hours*

### **ELEC 601 Graduate Seminar**

*3 semester hours*

Project-based seminar in which students will be required to select, research, write about, and discuss some aspect of a broad area of

current interest to computer scientists and electrical engineers (e.g. computer networks, digital communication).

Prerequisites: Successful completion of coursework and the endorsement of the faculty advisor. (The seminar can be taken during the final semester of coursework subject to the approval of the faculty advisor.)

### **ELEC 621 Information Theory and Coding**

*3 semester hours*

The concepts of information measures and channel capacity are introduced. The applications of Shannon theory to evaluate the effectiveness of practical communication links is developed. Error correction coding and its application in reliable communications are emphasized in this class.

Prerequisite: ELEC 532.

### **ELEC 624 Digital Communication Theory**

*3 semester hours*

This course provides the foundation of digital communication theory. Topics include representation of bandpass signals, frequency and phase shift keying, M-ary signal, detection in additive Gaussian noise channel, intersymbol interference, and efficient signaling with coding.

Prerequisites: ELEC 521 and ELEC 532.

### **ELEC 626 Satellite Communication Systems**

*3 semester hours*

This course provides an introduction to the practical and theoretical analysis of the performance of satellite communications links. Topics in link design, satellite orbit dynamics, antenna gain and coverage, frequency and time division multiple access, component and subsystem nonlinearity, signal format, and error correction coding will be discussed.

Prerequisites: ELEC 521 and ELEC 532.

### **ELEC 627 Phase-Lock Techniques for Communication and Control**

*3 semester hours*

Phase-lock loop concepts, stability, noise response, acquisition, frequency response and topics of applications in coherent communications such as PLL costas loop, byte synchronization will be discussed.

Prerequisite: ELEC 532.

### **ELEC 628 Spread Spectrum Systems**

*3 semester hours*

The system performance and signal design of spread communication systems will be discussed. Topics addressed are frequency hopping and direct sequence systems and their performance in jamming and CDMA environments.

Prerequisites: ELEC 521, ELEC 532, and ELEC 624 are recommended.

### **ELEC 631 Numerical Methods in Engineering**

*3 semester hours*

A course in numerical techniques of computing. Numerical techniques; errors in computing; generation of functions; roots of polynomials, integration techniques; solution of simultaneous linear equations; ordinary differential equations; partial differential equations.

### **ELEC 632 Optimization Technique in Signal Processing**

*3 semester hours*

An introduction to the theory, analysis, and design of optimal signal processing systems in both discrete and continuous time. Topics include spectral factorization, least-mean-square theory and estimation algorithms, linear signal estimation, Wiener and Kalman filtering, linear prediction, spectral estimation, and matched filtering.

Access to computer with MATLAB, Fortran, Pascal, or other high level language compiler for assignments is required.

Prerequisite: ELEC 532.

### **ELEC 637 Optical Communication Systems**

*3 semester hours*

This course presents the analytical basis for fiber optic and laser communication systems.

Prerequisites: ELEC 521 and ELEC 532.

### **ELEC 651 Communication Electronics**

*3 semester hours*

Theory and design aspects of analog electronic circuits as applied to the generation, amplification, detection, transmission, and modulation of electrical signals will be discussed.

Prerequisite: Undergraduate electronics course.

### **ELEC 662 Analog VLSI Design**

*3 semester hours*

Topics in computer-aided design of analog VLSI systems. Topics include: custom and semi-custom design, design methodologies, and simulation of designed circuits. Circuits designed will be fabricated for testing by student.

Prerequisites: ELEC 354 and ELEC 383 or equivalent.

### **ELEC 663 Digital VLSI Design**

*3 semester hours*

Topics in computer-aided design of digital VLSI systems. Topics include: Custom and semi-custom design, design methodologies of advanced CMOS circuits, and simulation of designed circuits.

Circuits designed will be fabricated for testing by student.

Prerequisites: ELEC 354 and ELEC 383 or equivalent.

### **ELEC 670 Radar Engineering**

*3 semester hours*

Radar fundamentals will be covered including radar applications, frequency allocation, radar space-time coordinates, target and clutter scattering, radar range performance and signal/target detection and location. Also waveform and non-coherent/coherent signal processing design and analysis will be treated for targets embedded in various types of clutter. The course will also address simple antenna and transmitter/ receiver design and performance. A sample radar system design problem will be accomplished.

### **ELEC 682 Arithmetic Processors**

*3 semester hours*

Concepts of number systems, digital numbers algorithms; logic and organization of digital arithmetic processors; conventional arithmetic; algorithm acceleration; floating-point and significance arithmetics; redundant, signed-digit, residue number systems; error detection in digital arithmetic.

Prerequisite: ELEC 585 or equivalent.

### **ELEC 685 Diagnostic Design and Fault-Tolerant Computers**

*3 semester hours*

Theories and techniques for testing digital circuits and systems, design techniques for fault-tolerant digital systems, test generation for combinational and sequence circuits, self-checking and self-testing circuits, gate-level simulation on a fault-model.

Prerequisites: ELEC 584 and ELEC 585.

### **ELEC 686 Microprocessor Applications**

*3 semester hours*

Applications of microprocessors and microprocessor control in the design of digital and hybrid systems, including digital computer systems.

Prerequisite: ELEC 584 or equivalent.

**ELEC 687 Computer Networks**

3 semester hours

Concepts in and design of large-scale distributed networks and local area networks, including topologies, standards, and protocols.

**ELEC 688 Advanced Computer Architecture**

3 semester hours

Design and implementation of reduced instruction set computer architectures. Topics include pipelining, parameter passing, register windows compiling techniques, and comparison with CISC architectures.

Prerequisite: ELEC 585.

**ELEC 689 Advanced Topics in Computer Design**

3 semester hours

Selected topics from microprogramming, performance measurement, and chip-slice architectures.

**ELEC 695 Master's Thesis I**

3 semester hours

Graduate students electing the thesis option must obtain a thesis advisor before departmental consent will be considered and comply with the Frank R. Seaver College of Science and Engineering Master's Thesis Requirements.

Credit/No Credit grading.

Prerequisite: ELEC 601 or concurrent enrollment.

**ELEC 696 Master's Thesis II**

3 semester hours

Students could choose to continue with further research and/or development of their Thesis project for a second semester after successfully finishing ELEC 695. Consents of the Department and the advisor are required.

Credit/No Credit grading.

Prerequisite: ELEC 695.

**ELEC 697 Master's Thesis III**

3 semester hours

Students could choose to continue with further research and/or development of their Thesis project for a third semester after successfully finishing ELEC 695 and ELEC 696. Consents of the Department and the advisor are required.

Credit/No Credit grading.

Prerequisites: ELEC 695 and ELEC 696.

**ELEC 698 Special Studies**

1 TO 3 semester hours

**ELEC 699 Independent Studies**

1 TO 3 semester hours

**English (ENGL)****ENGL 1100 English for Academic Purposes**

4 semester hours

A course designed to give students essential skills in writing and reading.

**ENGL 1115 University Writing Lab**

1 semester hour

A program of individualized tutorial instruction designed to improve writing skills in course work across the curriculum. Emphasis is placed on clarity and style.

Credit/No Credit grading. This course may be repeated twice for degree credit.

**ENGL 1116 Practicum in Tutoring Writing and Liberal Arts**

1 semester hour

Credit/No Credit grading.

**ENGL 1998 Special Studies**

1 TO 4 semester hours

**ENGL 1999 Independent Studies**

1 TO 4 semester hours

**ENGL 2200 Genres: Drama**

4 semester hours

An intensive study of drama through critical and/or creative engagement with the genre.

Open to English majors and minors and Screenwriting majors. University Core fulfilled: Flag: Writing.

**ENGL 2201 Genres: Poetry**

4 semester hours

An intensive study of poetry through critical and/or creative engagement with the genre.

Open to English majors and minors and Screenwriting majors. University Core fulfilled: Flag: Writing.

**ENGL 2202 Genres: Fiction**

4 semester hours

An intensive study of fiction through critical and/or creative engagement with the genre.

Open to English majors and minors and Screenwriting majors. University Core fulfilled: Flag: Writing.

**ENGL 2203 Histories: British Literature I**

4 semester hours

Critical analysis of British literature from the Anglo Saxons to the end of the eighteenth century using literary historical methods, terms, and concepts.

Open to English majors and minors and Screenwriting majors.

**ENGL 2204 Histories: British Literature II**

4 semester hours

Critical analysis of British literature from Romanticism through the Moderns using literary historical methods, terms, and concepts.

Open to English majors and minors and Screenwriting majors.

**ENGL 2205 Creative Writing for Non-Majors**

4 semester hours

A genre-based writing workshop (fiction, poetry, and drama).

Not open to English majors and minors.

University Core fulfilled: Explorations: Creative Experience; Flag: Writing.

**ENGL 2206 Language of Journalism**

4 semester hours

A course in journalistic fundamentals and an introduction to reading, analyzing, and writing news across platforms.

Required of all English minors in Journalism.

University Core fulfilled: Flags: Engaged Learning, Writing.

**ENGL 2207 Introduction to Poetry**

4 semester hours

A course designed to develop an appreciation of poetry through critical analysis and creative writing.

Not open to English majors and minors.

University Core fulfilled: Explorations: Creative Experience; Flag: Writing.

**ENGL 2208 Introduction to Fiction**

4 semester hours

A course designed to develop an appreciation of fiction through

critical analysis and creative writing.  
Not open to English majors and minors.  
University Core fulfilled: Explorations: Creative Experience; Flag: Writing.

**ENGL 2209 Introduction to Drama**

*4 semester hours*

A course designed to develop an appreciation of drama through critical analysis and creative writing.

Not open to English majors and minors.

University Core fulfilled: Explorations: Creative Experience; Flag: Writing.

**ENGL 2222 Creativity through Constraints**

*4 semester hours*

A study of creative and critical texts on constraint-based writing and workshop in writing texts under constraints.

Not open to English majors and minors.

University Core fulfilled: Explorations: Creative Experience; Flag: Writing.

**ENGL 2296 Special Studies in Genres**

*4 semester hours*

**ENGL 2297 Special Studies in Histories**

*4 semester hours*

**ENGL 2998 Special Studies**

*1 TO 4 semester hours*

**ENGL 2999 Independent Studies**

*1 TO 4 semester hours*

**ENGL 3301 Writing for Journalism: Workshop**

*4 semester hours*

An intermediate level writing class and an introduction to journalism.

Covers the basic components of both features and news stories, interview strategies, and legal and ethical concerns.

Fulfills Creative/Artistry requirement.

**ENGL 3302 Writing the Article: Workshop**

*4 semester hours*

Techniques of writing and marketing the magazine article.

Fulfills Creative/Artistry requirement.

**ENGL 3303 Reviewing the Arts**

*4 semester hours*

A course in writing reviews. Topics may include art, books, film, music, theatre, TV, or video games. Class may involve field trips to theatre, film, or other performances or exhibits.

Fulfills Creative/Artistry requirement.

**ENGL 3304 Writing for Advertising**

*4 semester hours*

Writing strategies for advertising.

Fulfills Creative/Artistry requirement.

**ENGL 3316 Modern Drama**

*4 semester hours*

International and American drama from 1870-1963.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 3320 Shakespeare's World, the World's Shakespeare**

*4 semester hours*

A seminar exploring Shakespearean poetry and drama in historical and cultural contexts, and cultural productions writing back to the

Shakespearean canon from marginalized and/or globalized perspectives.

Fulfills Author(s) and Comparative requirements.

Prerequisite: ENGL 2203.

**ENGL 3321 Shakespeare: The Major Plays**

*4 semester hours*

A survey course of Shakespeare's "major plays." It is a course that intends to cover all the dramatic genres Shakespeare wrote in and at the same time highlight those works which are considered Shakespeare's most important.

Fulfills Author(s) or Critical/Theoretical requirement.

Junior or senior standing or permission of the Chairperson required.

**ENGL 3322 Studies in Shakespeare**

*4 semester hours*

An in-depth study of Shakespeare's writings.

This course is repeatable for degree credit up to two times provided new course material (literature) is covered and a new subtitle has been designated.

Fulfills Author(s) or Critical/Theoretical requirement.

Junior or senior standing or permission of the Chairperson required.

**ENGL 3323 Shakespeare and Politics**

*4 semester hours*

An exploration of the politics of drama and the workings of power and authority in Shakespeare's plays.

Fulfills Author(s) or Critical/Theoretical requirement.

Junior or senior standing or permission of the Chairperson required.

**ENGL 3324 Jack Kerouac and the Beats**

*4 semester hours*

An examination of the major Beat writers with a concentration on Jack Kerouac and his novels about his peers.

Fulfills Author(s) or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 3325 Contemporary Poetry**

*4 semester hours*

British and American poetry from Wallace Stevens to the present.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 3326 Contemporary Drama**

*4 semester hours*

International and American drama from 1964 to the present.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 3327 Experiments in Genre in 17th Century English Drama**

*4 semester hours*

A study of dramatic forms in 17th c. England, including tragicomedy and closet drama, and their political implications during a period of social, religious, and political change.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 3328 Oscar Wilde**

*4 semester hours*

Considers the literary career of Oscar Wilde in its various contexts in order to discern the importance of Wilde's work in the literary canon.

Junior or senior standing required.

Fulfills Author(s) or Critical/Theoretical requirement.

University Core fulfilled: Flag: Information Literacy.

**ENGL 3332 The Short Story**

*4 semester hours*

A study of the short story as a literary form; close reading of representative short stories by American, British, and continental writers.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3333 Early American Short Story**

*4 semester hours*

A survey of short stories from the nineteenth century to the early twentieth century; close reading of representative short stories and study of the short story as a genre.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3338 Detecting the Divine**

*4 semester hours*

A study of how the mystery genre in literature provides a paradigm for investigating the mystery of the divine more generally.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3339 Rhetoric, Literature, and Religion**

*4 semester hours*

A course exploring the rhetoric of literary and religious texts.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3341 Studies in World Literature**

*4 semester hours*

A study of literature(s) written outside the United States and Britain.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3342 Images of Women in Nineteenth-Century England**

*4 semester hours*

Study of how the women's rights movement influenced images of women in 19th-century English literature.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Flag: Information Literacy.

### **ENGL 3343 Twentieth-Century Women's Writing**

*4 semester hours*

A study of literary and critical texts written by women in the 20th century.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3344 African American Literature**

*4 semester hours*

(See AFAM 3621.)

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3345 Studies in Multi-Ethnic Literature**

*4 semester hours*

The comparative study of literatures within the American experience.

This course is repeatable for degree credit up to two times provided new course material (literature) is covered and a new subtitle has been designated.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3346 Children's Literature**

*4 semester hours*

A study of children's literature and the critical discussions it raises across literary and educational studies.

Open to Liberal Studies majors who are juniors or seniors.

### **ENGL 3347 Fairy Tales**

*4 semester hours*

A comparative survey of the literary fairy tale tradition through diverse critical and theoretical approaches: folkloricist, structuralist, psychoanalytical, sociological, new historicist, feminist, and gender studies.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

Open to English majors only.

### **ENGL 3348 Caribbean Literature**

*4 semester hours*

A study of Anglophone Caribbean literature that examines, from a postcolonial perspective, a number of aesthetic matters (e.g., West Indian coming of age novels vs. the European Bildungsroman) and social issues (e.g., the use of patois vs. "standard" English in Caribbean poetry).

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3349 Longing and Belonging: The Literatures of Israel**

*4 semester hours*

This course investigates modern representations in literature and film of longing for and belonging in the land of Israel.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3350 Chicana/o-Latina/o Literature**

*4 semester hours*

Examines Chicana/o-Latina/o literature, its criticism as well as its various artistic genres, introducing students to its aesthetic and social value/s (see CLST 3332).

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **ENGL 3351 Classical Mythology**

*4 semester hours*

Study of the basic myths and myth patterns of the Greeks and Romans, and the mythological heritage in Western Literature (see CLAR 3210).

Fulfills Critical/Theoretical requirement.

Junior or senior standing requirement.

### **ENGL 3352 Portraits of the Artist**

*4 semester hours*

Fictional, poetic, and dramatic portraits of the developing artist.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3353 Chicana/o Consciousness**

*4 semester hours*

Surveys through literary analysis and critical theory a Chicana/o form of awareness, with particular attention to the intersection in Latina/o intellectual history of the aesthetic, the ethical, and the political (see CLST 4406).

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

### **ENGL 3354 Prison Literature**

*4 semester hours*

Surveys literature written by political prisoners to examine its artistry as well as its attempt to intervene in a culture of incarceration.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 3361 Reading Methods**

4 semester hours

A survey of various methods of reading literary texts.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 3362 Reading Cultural Studies**

4 semester hours

Examines the concept of culture in literary analysis, introducing students to different methods of reading and the analysis of power in various social categories such as race and gender, religion, and nationalism.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 3371 American Literature I**

4 semester hours

A survey of American literature from colonial times to 1865.

Fulfills Critical/Theoretical requirement.

Junior or senior standing or permission of the Chairperson required.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ENGL 3372 American Literature II**

4 semester hours

A survey of American literature from 1865 to the present.

Fulfills Critical/Theoretical requirement.

Junior or senior standing or permission of the Chairperson required.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ENGL 3373 RoadRead**

4 semester hours

This multi-genre course explores the literature of Los Angeles and California. Involves field trips. Lab fee.

Fulfills Critical/Theoretical requirement.

Open to English majors and minors who are juniors or seniors.

Prerequisites: ENGL 2201 and either ENGL 2200 or ENGL 2202.

**ENGL 3374 RoadWrite**

4 semester hours

This multi-genre writing course explores the literature of Los Angeles and California. Involves field trips. Lab fee. Fulfills Creative/Artistry requirement.

Fulfills Creative/Artistry requirement.

Open to English majors and minors who are juniors or seniors.

Prerequisites: ENGL 2201 and either ENGL 2200 or ENGL 2202.

**ENGL 3375 StreetRead**

4 semester hours

Students will respond critically to literature in the classroom and run reading groups in the community.

Fulfills Critical/Theoretical requirement.

University Core fulfilled: Flag: Writing.

Open to English majors and minors who are juniors or seniors.

Prerequisites: ENGL 2201 and either ENGL 2200 or ENGL 2202.

**ENGL 3376 StreetWrite**

4 semester hours

Student writers will workshop their own writing and run field workshops in the community.

Fulfills Creative/Artistry requirement.

Open to English majors and minors who are juniors or seniors.

Prerequisites: ENGL 2201 and either ENGL 2200 or ENGL 2202.

**ENGL 3381 Journalism and New Media**

4 semester hours

This course will look at the emergent forms of new media by examining websites, blogs, and podcasts and reading the works of media thinkers. Students will use various digital tools, such as

podcasts, Flip cameras, slideshows, etc., in their weekly blog postings and papers/presentations.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

Prerequisite: ENGL 2206 or ENGL 3301.

**ENGL 3998 Special Studies**

1 TO 4 semester hours

Junior or senior standing required.

**ENGL 3999 Independent Studies**

1 TO 4 semester hours

Junior or senior standing required.

**ENGL 4402 Writing Internship in Media**

4 semester hours

Students enrolled in this course work 10-12 hours per week with an off-campus media firm.

Permission of the instructor required. Students must submit a portfolio of their writing to the instructor four weeks prior to registration for the course.

Junior or senior standing required.

**ENGL 4403 Non-Fiction Workshop**

4 semester hours

A writer's workshop with practice in analyzing and creating non-fiction prose.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4405 Literary Non-Fiction Workshop**

4 semester hours

An advanced course in non-fiction prose, with practice in both creating and analyzing non-fiction.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4406 Journalism: Interview: Workshop**

4 semester hours

A course in interview strategies for journalists.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4407 Investigative Reporting**

4 semester hours

A course that examines and teaches the deep-dive reporting and writing techniques of investigative journalism.

Fulfills Creative/Artistry requirement.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4408 Journalism: Editing Workshop**

4 semester hours

A course in editing techniques for journalists.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4409 Reporter in the Story**

4 semester hours

Students bridge memoir and reportage to produce works of first-person long-form journalism, examining the ethical implications and creative possibilities of the writer as a character in a reported story.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4411 Fiction Writing Workshop: Narrative and Style**

*4 semester hours*

Exercises, experiments, and creative construction in classic narrative fiction styles.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

Prerequisite: ENGL 2202.

**ENGL 4412 Poetry Writing Workshop: Imagination**

*4 semester hours*

Writing poetry with an emphasis on image and the lyric imagination.

Junior or senior standing required.

Fulfills Creative/Artistry requirement.

Prerequisite: ENGL 2201.

**ENGL 4413 Play Writing Workshop: One-Acts**

*4 semester hours*

Writing monologues, ten-minute, and one-act scripts for the stage.

Junior or senior standing required.

Fulfills Creative/Artistry requirement.

Prerequisite: ENGL 2200.

**ENGL 4421 Fiction Writing Workshop: Dialogue and Scene**

*4 semester hours*

Exercises in literary dialogue, scene setting, and scene execution.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

Prerequisite: ENGL 2202.

**ENGL 4422 Poetry Writing Workshop: Forms**

*4 semester hours*

Writing poetry in traditional and non-traditional forms.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

Prerequisite: ENGL 2201.

**ENGL 4424 Play Writing Workshop: Full-Lengths**

*4 semester hours*

Writing full-length scripts for the stage.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

Prerequisite: ENGL 2200.

**ENGL 4431 Fiction Writing Workshop: The Components of the Short Story**

*4 semester hours*

Exercises and experiments in putting together the parts of a short story.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

Prerequisite: ENGL 2202.

**ENGL 4432 Poetry Writing Workshop: Voice**

*4 semester hours*

Writing poetry persona poems and/or dramatic monologues.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

Prerequisite: ENGL 2201.

**ENGL 4433 Play Writing Workshop: Adaptation**

*4 semester hours*

Adapting fiction, non-fiction, and other genres for the stage.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

Prerequisite: ENGL 2200.

**ENGL 4460 Hard News to Blogs: Post-1800 Journalism**

*4 semester hours*

A study of diverse journalists from 1800 to the present, emphasizing

how their work reflects the concerns of their age and their contributions to the tradition of journalism that continues today. Students will develop their own journalistic writing in response to this tradition.

Fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

Junior or senior standing required.

**ENGL 4463 The Art of the Essay**

*4 semester hours*

A study of the form of the essay, with emphasis on the historical tradition of essay writing. Students will develop their own essays in response to this tradition.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4464 Publishing a Journal**

*4 semester hours*

This is an advanced journalism course designed to train the student in the practical elements involved in publishing an international journal of literary nonfiction.

Fulfills Creative/Artistry requirement.

Consent of instructor required.

Junior or senior standing required.

**ENGL 4465 Arts and Culture Journalism**

*4 semester hours*

An introduction to arts and culture journalism, involving writing various forms of arts and culture criticism and reported features, including theater, film, art, and food reviews, reported features, and others.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4466 Journalism: The Age of Content**

*4 semester hours*

This journalism course will take an in-depth, critical look at the emergent forms of new media by examining websites, blogs, videos, fan fiction, and podcasts and reading the works of media scholars.

This is an upper-level writing course that requires familiarity with basic digital tools.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4467 Journalism and Law**

*4 semester hours*

Students will learn about the legal rights and responsibilities of journalists. The course will also focus on reporting on legal issues, including using legal sources, identifying newsworthy cases, and conducting courtroom reporting.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4468 Journalism: Capstone**

*4 semester hours*

Students will complete their Journalism minor by producing a multi-platform journalism project.

Open to senior Journalism minors by permission of instructor.

**Required of all Journalism minors.**

**ENGL 4469 Practicum in Journalism I**

*4 semester hours*

This course gives students practical journalism experience working on the staff of the *Los Angeles Loyolan*, the *Tower*, ROAR, or Marymount Institute Press. Particularly appropriate for editors.

Consent of instructor required.

Fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

**ENGL 4470 Practicum in Journalism II**

4 semester hours

This course is for advanced journalism students who have served as editors at the *Loyolan*, the *Tower*, ROAR, or Marymount Institute Press for at least one semester. Students will mentor a junior staffer. Consent of instructor required.

Fulfills Creative/Artistry requirement.

University Core fulfilled: Flag: Writing.

**ENGL 4471 Sports Journalism**

4 semester hours

A course covering all aspects of sports reporting, writing, and editing.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4472 Broadcast Journalism**

4 semester hours

A course focused on the craft of researching and writing a feature story for radio and multimedia broadcast.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4473 Mobile Media Journalism**

4 semester hours

Students will study digital storytelling theory before collaborating to produce their own magazine for mobile devices.

Fulfills Creative/Artistry requirement.

Junior or senior standing required.

**ENGL 4481 Time in 20th/21st Century Fiction and Film**

4 semester hours

A writing and theory course that explores the shift from modernist to postmodernist ideas of time.

Fulfills Creative/Artistry or Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ENGL 4998 Special Studies**

1 TO 4 semester hours

Junior or senior standing required.

**ENGL 4999 Independent Studies**

1 TO 4 semester hours

Junior or senior standing required.

**ENGL 5502 The Arthurian Romance**

4 semester hours

A study of Arthurian legend from Geoffrey of Monmouth to Sir Thomas Malory.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5503 English Literature of the Middle Ages**

4 semester hours

English literature, from the Normans to the Tudors.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5504 Chaucer**

4 semester hours

The works of Chaucer, particularly *The Canterbury Tales*.

Fulfills Author(s) or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5507 The Idea of the Vernacular**

4 semester hours

Using a variety of modern and medieval theoretical models the

course interrogates the rise of English as a literary medium in the fourteenth and fifteenth centuries, when writing in English was edgy and sometimes dangerous, by examining manuscripts and early printed books as the physical manifestations of this radicalizing literary culture.

Fulfills Critical/Theoretical and Author(s) requirements.

Junior or senior standing required.

**ENGL 5513 Milton**

4 semester hours

The poetry and selected prose of John Milton.

Fulfills Author(s) or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5521 British Literature: 1660-1800**

4 semester hours

Studies in British literature of the Restoration and Eighteenth Century, exclusive of the novel.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5522 Eighteenth-Century English Novel**

4 semester hours

The development of the English novel in its first century.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5530 Studies in Romanticism**

4 semester hours

Explore the key works, concepts, genres, and writers associated with Romanticism.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5532 The Nineteenth-Century English Novel**

4 semester hours

The development of the English novel from Austen to Hardy.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5533 Victorian Literature**

4 semester hours

Explores the key works, concepts, genres, and writers associated with Victorianism.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Flag: Information Literacy.

**ENGL 5534 Literature of the Holocaust**

4 semester hours

A study of the literature of the Holocaust including fiction, poetry, drama, and film.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Flag: Engaged Learning.

**ENGL 5541 British Fiction: 1900-1950**

4 semester hours

A study of British novels and short fiction from 1900 to 1950.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5542 British Literature: 1950 to the Present**

*4 semester hours*

A study of British novels, short fiction, and poems from 1950 to the present.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5543 British Poetry: 1900-1950**

*4 semester hours*

A study of the poetry of Yeats, Eliot, Auden, Thomas, and other modernists.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5544 Modern Irish Literature**

*4 semester hours*

A survey of Irish literature from 1900 to World War II.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5545 Contemporary Irish Literature**

*4 semester hours*

A study of Irish literature from the end of World War II to the present.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5546 Irish Renaissance**

*4 semester hours*

A study of the period from the 1890s through the 1920s in Ireland focusing on the effort of Irish writers (and others) to preserve the rich legacy of Irish culture and carry it forward into the modern age.

Fulfills Comparative requirement.

Junior or senior standing required.

**ENGL 5547 Irish Short Story**

*4 semester hours*

A study of the short story in Ireland during the twentieth century.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Flag: Writing.

**ENGL 5548 Irish Women Writers**

*4 semester hours*

This course will examine women's issues in Ireland from 1800 to the present, from the perspective of Irish women novelists, playwrights, and poets.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Flag: Information Literacy.

**ENGL 5549 The Dark Stuff: Horror in Irish Literature**

*4 semester hours*

The Dark Stuff will explore the rich traditions of the Gothic and the literary ghost story in Irish literature.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5552 American Renaissance**

*4 semester hours*

The study of American Transcendentalists and other writers from the American Renaissance period of the 19th century.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5553 American Realism and Naturalism**

*4 semester hours*

The study of such representative American fiction writers as Twain, James, and Crane.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5554 Modern American Fiction**

*4 semester hours*

The study of such representative novelists as Hemingway, Faulkner, Anderson, and Fitzgerald.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5555 American Fiction Since 1950**

*4 semester hours*

A study of American novels and short fiction from 1950 to the present.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5556 Modern American Poetry**

*4 semester hours*

The study of representative American poets from Whitman to the mid-twentieth century.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5557 Nineteenth-Century American Women Writers**

*4 semester hours*

A study of American women writers; close reading of representative texts from different genres by a range of diverse writers.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5558 Caribbean Literature**

*4 semester hours*

The study of representative writers from the English-speaking Caribbean, such as George Lamming, Jean Rhys, Sam Selvon, and Jamaica Kincaid.

Fulfills Comparative or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5559 Survey of Literary Criticism**

*4 semester hours*

The principles and practice of literary criticism from the Ancient Greeks to World War II.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5560 Power: American Literature, Theory, Society**

*4 semester hours*

Examines language, literature, and power in American culture and society through postcolonial, feminist, and cultural studies.

Fulfills Critical/Theoretical requirement.

Junior or senior standing required.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**ENGL 5562 Contemporary Rhetorical Theory**

*4 semester hours*

Textual analysis and production based on contemporary rhetorical theory.

Fulfills Creative/Artistry or Critical/Theoretical requirement.

Junior or senior standing required.

**ENGL 5563 Creative Writing Seminar**

*4 semester hours*

An intensive writing class in fiction, poetry, drama, creative non-fiction, or some combination of these genres.

This course is repeatable for degree credit up to two times, provided new course material is covered and a new subtitle has been designated.

Fulfills Creative/Artistry requirement.  
Junior or senior standing required.  
Prerequisite: One 4400-level creative writing course in the appropriate genre.

**ENGL 5565 Theory of Teaching Writing and Literature**

*4 semester hours*

A course for current and future teachers of composition designed to facilitate the application of theory to pedagogy.  
Fulfills Creative/Artistry or Critical/Theoretical requirement.  
Junior or senior standing required.

**ENGL 5566 Metaphor: Theory and Practice**

*4 semester hours*

A course investigating metaphor theoretically and in the students' own writing.  
Fulfills Creative/Artistry or Critical/Theoretical requirement.  
Junior or senior standing required.

**ENGL 5567 Style in Writing**

*4 semester hours*

A course investigating metaphor theoretically and in the students' own writing.  
Fulfills Creative/Artistry or Critical/Theoretical requirement.  
Junior or senior standing required.

**ENGL 5568 A Course About Nothing**

*4 semester hours*

Examines the paradoxical signifier "nothing" across disciplines including cosmology, theology, philosophy, art, and literature.  
Fulfills Critical/Theoretical requirement.  
Junior or senior standing required.  
University Core fulfilled: Integrations: Interdisciplinary Connections.

**ENGL 5569 Linguistics**

*4 semester hours*

An introduction to issues in linguistics, such as phonology, morphology, syntax, and sociolinguistics.  
Fulfills Critical/Theoretical requirement.  
Junior or senior standing required.

**ENGL 5571 Writing the Novella: Workshop**

*4 semester hours*

Practice in writing extended narrative forms.  
Fulfills Creative/Artistry requirement.  
Junior or senior standing required.  
Prerequisite: ENGL 4411, ENGL 4421, or ENGL 4431.

**ENGL 5573 Writing Literary Dialogue**

*4 semester hours*

A series of exercises and scenarios accentuating the rhythm, lyricism, and implicit movement of character-driven dialogue.  
Fulfills Creative/Artistry requirement.  
Junior or senior standing required.

**ENGL 5574 Rhetoric and Media**

*4 semester hours*

A study of persuasion and rhetorical strategies used by the media.  
Fulfills Creative/Artistry or Critical/Theoretical requirement.  
Junior or senior standing required.

**ENGL 5575 The Art of Rhetoric**

*4 semester hours*

A survey of rhetoric from the classical to the modern period.  
Fulfills Critical/Theoretical requirement.  
Junior or senior standing required.

**ENGL 5582 Poetry of Witness**

*4 semester hours*

A writing workshop in poetry involving the study of international political poems, or poems of witness.  
Fulfills Comparative and Creative/Artistry requirements.  
Junior or senior standing required.

**ENGL 5583 Poetry of Night**

*4 semester hours*

The poetry of silence, night, and dream: a sampling of deeply interior and surreal works feeds the generation of a body of related poems, via intensive reading, writing, and workshop.  
Fulfills Creative/Artistry requirement.  
Junior or senior standing required.

**ENGL 5584 The Black Aesthetic**

*4 semester hours*

Study of theories of African American aesthetics.  
Fulfills Critical/Theoretical requirement.  
Junior or senior standing required.

**ENGL 5590 The Feminist Critique: Journalism, the Arts, and Gender**

*4 semester hours*

A study of arts criticism by women writers.  
Fulfills Creative/Artistry requirement.  
Junior or senior standing required.

**ENGL 5591 Literary Journalism**

*4 semester hours*

Examines the tradition of literary journalism, the telling of true stories through fictional techniques, with emphasis on helping students produce a publishable body of work in this genre.  
Fulfills Creative/Artistry requirement.  
Junior or senior standing required.

**ENGL 5592 Pazz and Jop: Music Criticism**

*4 semester hours*

By studying the works of critics throughout pop music history, students will learn to think critically about musical terms and genres and express their observations and opinions in various forms.  
Fulfills Creative/Artistry requirement.  
Junior or senior standing required.

**ENGL 5595 Capstone Seminar**

*4 semester hours*

A seminar in which students are supervised in developing a portfolio of work in their area of specialization.  
Fulfills Specialization course requirement.  
Senior standing required.

**ENGL 5602 The Arthurian Romance**

*3 semester hours*

A study of Arthurian legend from Geoffrey of Monmouth to Sir Thomas Malory.  
M.A. candidate standing required.

**ENGL 5603 English Literature of the Middle Ages**

*3 semester hours*

English literature, from the Normans to the Tudors.  
M.A. candidate standing required.

**ENGL 5604 Chaucer**

*3 semester hours*

The works of Chaucer, particularly *The Canterbury Tales*.  
M.A. candidate standing required.

**ENGL 5607 The Idea of the Vernacular**

*3 semester hours*

Using a variety of modern and medieval theoretical models the course interrogates the rise of English as a literary medium in the fourteenth and fifteenth centuries, when writing in English was edgy and sometimes dangerous, by examining manuscripts and early printed books as the physical manifestations of this radicalizing literary culture.

M.A. candidate standing required.

**ENGL 5613 Milton**

*3 semester hours*

The poetry and selected prose of John Milton.

M.A. candidate standing required.

**ENGL 5621 British Literature: 1660-1800**

*3 semester hours*

Studies in British literature of the Restoration and Eighteenth Century, exclusive of the novel.

M.A. candidate standing required.

**ENGL 5622 Eighteenth-Century English Novel**

*3 semester hours*

The development of the English novel in its first century.

M.A. candidate standing required.

**ENGL 5630 Studies in Romanticism**

*3 semester hours*

Explore the key works, concepts, genres, and writers associated with Romanticism.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

M.A. candidate standing required.

**ENGL 5632 The Nineteenth-Century English Novel**

*3 semester hours*

The development of the English novel from Austen to Hardy.

M.A. candidate standing required.

**ENGL 5633 Victorian Literature**

*3 semester hours*

Explores the key works, concepts, genres, and writers associated with Victorianism.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

M.A. candidate standing required.

**ENGL 5634 Literature of the Holocaust**

*3 semester hours*

A study of the literature of the Holocaust including fiction, poetry, drama, and film.

M.A. candidate standing required.

**ENGL 5641 British Fiction: 1900-1950**

*3 semester hours*

A study of British novels and short fiction from 1900 to 1950.

M.A. candidate standing required.

**ENGL 5642 British Literature: 1950 to the Present**

*3 semester hours*

A study of British novels, short fiction, and poems from 1950 to the present.

M.A. candidate standing required.

**ENGL 5643 British Poetry: 1900-1950**

*3 semester hours*

A study of the poetry of Yeats, Eliot, Auden, Thomas, and other modernists.

M.A. candidate standing required.

**ENGL 5644 Modern Irish Literature**

*3 semester hours*

A survey of Irish literature from 1900 to World War II.

M.A. candidate standing required.

**ENGL 5645 Contemporary Irish Literature**

*3 semester hours*

A study of Irish literature from the end of World War II to the present.

M.A. candidate standing required.

**ENGL 5646 Irish Renaissance**

*3 semester hours*

A study of the period from the 1890s through the 1920s in Ireland focusing on the effort of Irish writers (and others) to preserve the rich legacy of Irish culture and carry it forward into the modern age.

M.A. candidate standing required.

**ENGL 5647 Irish Short Story**

*3 semester hours*

A study of the short story in Ireland during the twentieth century.

M.A. candidate standing required.

**ENGL 5648 Irish Women Writers**

*3 semester hours*

This course will examine women's issues in Ireland from 1800 to the present, from the perspective of Irish women novelists, playwrights, and poets.

M.A. candidate standing required.

**ENGL 5649 The Dark Stuff: Horror in Irish Literature**

*3 semester hours*

The Dark Stuff will explore the rich traditions of the Gothic and the literary ghost story in Irish literature.

M.A. candidate standing required.

**ENGL 5652 American Renaissance**

*3 semester hours*

The study of American Transcendentalists and other writers from the American Renaissance period of the 19th century.

M.A. candidate standing required.

**ENGL 5653 American Realism and Naturalism**

*3 semester hours*

The study of such representative American fiction writers as Twain, James, and Crane.

M.A. candidate standing required.

**ENGL 5654 Modern American Fiction**

*3 semester hours*

The study of such representative novelists as Hemingway, Faulkner, Anderson, and Fitzgerald.

M.A. candidate standing required.

**ENGL 5655 American Fiction Since 1950**

*3 semester hours*

A study of American novels and short fiction from 1950 to the present.

M.A. candidate standing required.

**ENGL 5656 Modern American Poetry**

*3 semester hours*

The study of representative American poets from Whitman to the mid-twentieth century.

M.A. candidate standing required.

**ENGL 5657 Nineteenth-Century American Women Writers**

*3 semester hours*

A study of American women writers; close reading of representative texts from different genres by a range of diverse writers.

M.A. candidate standing required.

**ENGL 5658 Caribbean Literature**

*3 semester hours*

The study of representative writers from the English-speaking Caribbean, such as George Lamming, Jean Rhys, Sam Salvon, and Jamaica Kincaid.

M.A. candidate standing required.

**ENGL 5659 Survey of Literary Criticism**

*3 semester hours*

The principles and practice of literary criticism from the Ancient Greeks to World War II.

M.A. candidate standing required.

**ENGL 5660 Power: American Literature, Theory, Society**

*3 semester hours*

Examines language, literature, and power in American culture and society through postcolonial, feminist, and cultural studies.

M.A. candidate standing.

**ENGL 5662 Contemporary Rhetorical Theory**

*3 semester hours*

Textual analysis and production based on contemporary rhetorical theory.

M.A. candidate standing required.

**ENGL 5663 Creative Writing Seminar**

*3 semester hours*

An intensive writing class in fiction, poetry, drama, creative non-fiction, or some combination of these genres.

This course is repeatable for degree credit up to two times, provided new course material is covered and a new subtitle has been designated.

M.A. candidate standing required.

**ENGL 5665 Theory of Teaching Writing and Literature**

*3 semester hours*

A course for current and future teachers of composition designed to facilitate the application of theory to pedagogy.

M.A. candidate standing required.

**ENGL 5666 Metaphor: Theory and Practice**

*3 semester hours*

A course investigating metaphor theoretically and in the students' own writing.

M.A. candidate standing required.

**ENGL 5667 Style in Writing**

*3 semester hours*

An examination of prose styles and theories of style to help students develop their own writing styles.

M.A. candidate standing required.

**ENGL 5669 Linguistics**

*3 semester hours*

An introduction to issues in linguistics, such as phonology, morphology, syntax, and sociolinguistics.

M.A. candidate standing required.

**ENGL 5671 Writing the Novella: Workshop**

*3 semester hours*

Practice in writing extended narrative forms.

M.A. candidate standing required.

**ENGL 5673 Writing Literary Dialogue**

*3 semester hours*

A series of exercises and scenarios accentuating the rhythm, lyricism, and implicit movement of character-driven dialogue.

M.A. candidate standing required.

**ENGL 5674 Rhetoric and Media**

*3 semester hours*

A study of persuasion and rhetorical strategies used by the media.

M.A. candidate standing required.

**ENGL 5675 The Art of Rhetoric**

*3 semester hours*

A survey of rhetoric from the classical to the modern period.

M.A. candidate standing required.

**ENGL 5682 Poetry of Witness**

*3 semester hours*

A writing workshop in poetry involving the study of international political poems, or poems of witness.

M.A. candidate standing required.

**ENGL 5683 Poetry of Night**

*3 semester hours*

The poetry of silence, night, and dream: a sampling of deeply interior and surreal works feeds the generation of a body of related poems, via intensive reading, writing, and workshop.

M.A. candidate standing required.

**ENGL 5684 The Black Aesthetic**

*3 semester hours*

Study of theories of African American aesthetics.

M.A. candidate standing required.

**ENGL 5690 The Feminist Critique: Journalism, the Arts, and Gender**

*3 semester hours*

A study of arts criticism by women writers.

M.A. candidate standing required.

**ENGL 5691 Literary Journalism**

*3 semester hours*

Examines the tradition of literary journalism, the telling of true stories through fictional techniques, with emphasis on helping students produce a publishable body of work in this genre.

M.A. candidate standing required.

**ENGL 5692 Pazz and Jop: Music Criticism**

*3 semester hours*

By studying the works of critics throughout pop music history, students will learn to think critically about musical terms and genres and express their observations and opinions in various forms.

M.A. candidate standing required.

**ENGL 5998 Special Studies**

*1 TO 4 semester hours*

Junior, senior, or M.A. candidate standing required.

**ENGL 5999 Independent Studies**

*1 TO 4 semester hours*

Junior, senior, or M.A. candidate standing required.

**ENGL 6600 Critical Methodology**

3 semester hours

Prolegomena to Graduate Studies in English (must be completed in the first semester).

### **ENGL 6601 Seminar in a Literary Period**

3 semester hours

Intensive study of a formative era in the history of English Literatures.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

### **ENGL 6602 Seminar in a Genre**

3 semester hours

Exploration of one of the types or categories into which literary works are conventionally grouped.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

### **ENGL 6603 Seminar in a Major Writer**

3 semester hours

Intensive study of an influential writer.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

### **ENGL 6604 Seminar Literary Theory**

3 semester hours

Exploration of theoretical approaches to literature and its production.

### **ENGL 6605 Contemporary Critical Theory**

3 semester hours

Exploration of theoretical approaches to art, thought, and culture (must be completed in the first year).

### **ENGL 6606 Seminar in Rhetoric**

3 semester hours

Intensive study of the arts of persuasion.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

### **ENGL 6607 Seminar in Composition Theory**

3 semester hours

Exploration of theoretical approaches to the disciplines of Rhetoric and Composition.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

### **ENGL 6608 Reading and Writing the Other**

3 semester hours

A hybrid reading and writing seminar that explores otherness and difference as an aesthetic, political, theoretical, and subjective experience.

### **ENGL 6610 Seminar in Creative Writing**

3 semester hours

Intensive practicum in Creative Writing.

This course is repeatable for degree credit up to two times provided new course material is covered and a new subtitle has been designated.

### **ENGL 6694 Capstone Portfolio**

0 semester hours

The capstone portfolio is a culminating project that requires students

to work under the supervision of an advisor to create a critical or creative portfolio that highlights his/her research or creative interests.

Students should register in their final semester of coursework.

Credit/No Credit grading.

### **ENGL 6998 Special Studies**

1 TO 3 semester hours

### **ENGL 6999 Independent Studies**

0 TO 3 semester hours

## **Engineering (ENGR)**

### **ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design**

3 semester hours

This course is designed to introduce basic concepts relevant to engineering and to promote interest in the profession. The course seeks to establish a solid foundation of technical, creative, team work, and communication skills for engineers through effective problem solving, analysis, and design techniques. Practical computer applications are integrated as tools to solve engineering problems through the use of spreadsheets and other software. The course introduces the use of manual and computer graphics in engineering design. Students are also exposed to the different engineering disciplines through a variety of speakers active in the profession.

Lecture, 3 hours.

Corequisite: MATH 120.

### **ENGR 160 Algorithms and Applications**

3 semester hours

The development of algorithms for the computer solution of engineering problems and the implementation of the algorithms using MATLAB.

Lecture, 3 hours.

### **ENGR 198 Special Studies**

1 TO 3 semester hours

### **ENGR 199 Independent Studies**

1 TO 3 semester hours

### **ENGR 200 Statics**

3 semester hours

Resultants of force systems, free-body diagrams, equations of equilibrium and their applications, analysis of trusses, centroids and moments of inertia, shear and moment diagrams.

Lecture, 3 hours.

Prerequisites: MATH 132 or concurrent enrollment, PHYS 101.

### **ENGR 278 The Science of the Automobile**

3 semester hours

An introduction to today's automotive technology, and the science that supports it, using a systems approach to automotive design. Automotive design, function, and features are discussed, along with the manufacturing process involved in automotive construction and the effect of globalization on the automotive industry.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **ENGR 298 Special Studies**

1 TO 3 semester hours

### **ENGR 299 Independent Studies**

1 TO 3 semester hours

**ENGR 300 Fundamentals of Engineering (FE) Exam**

0 semester hours

A review of topics in mathematics, science, and engineering in preparation for the Fundamentals of Engineering (FE) Examination. Students must register for and take the Fundamentals of Engineering (FE) Examination. Junior standing required.

**ENGR 398 Special Studies**

1 TO 3 semester hours

**ENGR 399 Independent Studies**

1 TO 3 semester hours

**ENGR 400 Senior Seminar**

0 semester hours

Presentations emphasizing ethics; economics; societal, political, and global issues; lifelong learning; and contemporary engineering issues.

Lecture, 1 hour.

Senior standing required.

**ENGR 498 Special Studies**

1 TO 3 semester hours

**ENGR 499 Independent Studies**

1 TO 3 semester hours

**Entrepreneurship (ENTR)****ENTR 3310 Introduction to Entrepreneurship**

3 semester hours

This course is designed to introduce students to entrepreneurship as an integral part of our economy at the local, regional, national, and global level. Students will learn about the processes involved in taking entrepreneurial ideas from conception to new venture launch, with emphasis placed on the creativity, critical thinking skills, and flexibility essential to recognizing business opportunities and assessing those opportunities' feasibility in uncertain, dynamic markets. At a more detailed level, students will be exposed (through readings and experiential exercises) to issues of creativity and innovation, feasibility analysis, "proof of concept" development, and new venture leadership.

Junior standing required.

Prerequisites: BADM 1010, BADM 1020, all with a minimum grade of C (2.0).

**ENTR 3330 Social Entrepreneurship**

3 semester hours

In this course, students are introduced to the field of social entrepreneurship—the process of using an entrepreneurial mindset and business skills to create innovative approaches to societal problems. We explore the social entrepreneurship landscape and examine the latest innovations in business models, legal forms, financing alternatives, and management strategies. Students are expected to identify their passions and work on relevant business ideas or field projects that will equip them with hands-on experience. Junior standing required.

Prerequisites: BADM 1010 and BADM 1020, both with a minimum grade of C (2.0), and ENTR 3310.

**ENTR 3350 New Venture Creation**

3 semester hours

This course is designed to provide students with a hands-on opportunity to learn how a new venture opportunity is developed. In the process of completing a business plan, students will 1) learn to think critically about business concepts, and 2) complete primary

and secondary research about fundamental strategic, operational, financial, marketing, and HR issues.

Prerequisite: ENTR 3310.

**ENTR 3380 Small Business Management**

3 semester hours

This integrative course allows students to combine skills learned in all business disciplines. The focus is on the identification and analysis of operating problems confronting the small business manager.

Junior standing required.

Prerequisites: BADM 1010 and BADM 1020, both with a minimum grade of C (2.0), and ENTR 3310.

**ENTR 3397 Internship**

1 semester hour

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

**ENTR 3398 Special Studies**

1 TO 3 semester hours

**ENTR 4310 Entrepreneurial Finance**

3 semester hours

In this course, students are introduced to the financial aspects of small businesses and entrepreneurial ventures. The key topics include evaluating new business ideas and ventures, reading and understanding financial statements of rapidly growing companies, and developing financing strategies. We also discuss various debt and equity alternatives of financing, the different valuation techniques, and key tactics and approaches to negotiating term sheets.

(See FNCE 4410.)

Prerequisites: ENTR 3310; FNCE 3400 or FNCE 3410.

**ENTR 4320 Real Estate Finance, Investment, and Entrepreneurship**

3 semester hours

This course introduces students to gathering relevant data (both primary and secondary data) to build financial models for analyzing, interpreting, and making decisions on evaluation of alternative real estate investment opportunities with alternative financial structures. Hands-on entrepreneurial learning makes use of cases, gathering primary data, financial modeling, and estimating the most an investor should pay for a specific property. More specifically, this course includes determining a property's "investment value," financing strategy, risk analysis, taxation, market area supply and demand analysis by property type (e.g., single-family homes, apartments, office, retail, warehouses, and other industrial properties), alternative investment ownership (e.g., sole proprietorships, REITs, Limited Partnerships, LLCs, etc.), as well as evaluating alternative financing instruments in both primary and secondary markets.

(See FNCE 4420.)

Prerequisites: ENTR 3310; FNCE 3400 or FNCE 3410.

**ENTR 4340 International Entrepreneurship**

3 semester hours

This course focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments. The course includes a feasibility study of an international small business venture start up, case study, and experiential learning. (See INBA 4840.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, ENTR 3310, and INBA 3810.

### **ENTR 4370 Product and Business Design**

*3 semester hours*

This course, a joint venture between LMU and OTIS College of Design, provides an overview of the key concepts, frameworks, and issues in product design and development. Students are expected learn to work effectively in an interdisciplinary team to construct a business concept, design a new product, and complete a prototype. Prerequisite: ENTR 3310.

### **ENTR 4381 Managing New Ventures**

*3 semester hours*

This course is designed to provide students with theoretical and practical knowledge about new and young businesses. Print and live cases will be used to facilitate in-depth exploration of the typical start-up, operating, and growth challenges facing entrepreneurial companies. Guest speakers (founders of or investors in new ventures) will share their entrepreneurial journeys. Students will participate in a team project where they meet with the founder(s) of a local entrepreneurial venture, identify key challenges facing that venture, and develop an in-depth plan to address those challenges. Prerequisite: ENTR 3310.

### **ENTR 4398 Special Studies**

*1 TO 3 semester hours*

### **ENTR 4399 Independent Studies**

*1 TO 3 semester hours*

Requires approval of the Associate Dean.

## **Environmental Science (ENVS)**

### **ENVS 101 Introduction to Environmental Science**

*3 semester hours*

Introduction to the study of environmental science. Examination of issues and problems associated with the environment including examples from air, water, and soil pollution and some remediation strategies.

Lecture, 3 hours.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **ENVS 210 Surveying and Mapping**

*3 semester hours*

Study of basic surveying instruments and related computations for topographic surveys, horizontal and vertical curves, and the design of highways. The course will include computer aided design and geographic information systems (applications of AutoCAD to civil engineering design and fundamentals of GIS using ArcView).

Lecture: 2 hours; Laboratory, 4 hours.

Prerequisite: MATH 123.

University Core fulfilled: Flag: Information Literacy.

### **ENVS 250 Earth Science**

*3 semester hours*

An introductory exploration of how the Earth works. Focus is placed on connecting the Earth systems-the solid Earth, atmosphere, oceans, and biosphere-through the cycling of chemical elements and energy. The course will also discuss significant anthropogenic impacts to the natural Earth system.

Lecture, 3 hours.

Prerequisites: CHEM 110 and CHEM 112.

### **ENVS 263 Surfing and the Ocean Realm**

*3 semester hours*

Various basic principles of oceanography, meteorology, and marine

biology are explored as applied to the art of surfing. Topics include the genesis, propagation, and dynamics of waves; marine weather systems and surf prediction; marine organisms; and marine pollution issues of concern to surfers.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **ENVS 275 The Automobile and the Environment**

*3 semester hours*

The course is designed for non-science majors. Students will be exposed to a broad range of impacts on the, atmosphere, the land, and the water resources of the earth. Both environmental and economic impacts will be studied, along with the influence of globalization. Automotive manufacturing processes and materials, including the mining and manufacturing of iron and steel will be integrated into the overall impact of the automobile on the environment. Automotive metallurgy, plastics, polymers and glass will also be reviewed. Recycling and its reduction on negative impacts will be reviewed within the study of the manufacturing processes. An important emphasis of the course will be the study of fossil fuels and their impact on the environment, global crude oil reserves, coal, natural gas, and alternative fuels such as geothermal, wind and solar will be researched, alternative fueled vehicles, compressed natural gas (CNG) and liquefied natural gas, (LNG) along with hydrogen fuels will be included in our study of the effort to reduce greenhouse gases and global warming (climate change).

### **ENVS 276 Atmospheric Science**

*3 semester hours*

The study of general phenomena of weather; including storms, atmospheric disturbances, and possible effects of pollution. This course involves weather forecasting using real-time meteorological data.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **ENVS 279 Principles of Environmental Sustainability**

*3 semester hours*

This course explores the reality that the most difficult and enduring challenges are not merely technical but also social and institutional. An introduction to the basic science behind key environmental issues is provided along with tools for analyzing the social and institutional underpinnings of environmental conflict, and strategies to move towards sustainability.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **ENVS 300 Engineering Geology**

*3 semester hours*

Atmospheric, aqueous, and igneous agencies; river and marine deposits, glaciers, earth movements, volcanoes, earthquakes. Emphasis placed on factors affecting engineering projects; field trips.

Lecture, 3 hours.

### **ENVS 301 Environmental Science**

*3 semester hours*

Study of environmental science problems stressing an interdisciplinary approach. Analysis of problem and formulation of

remediation strategies considering appropriate principles from biology, chemistry, physics, earth science, and engineering.

Lecture, 3 hours.

Prerequisites: BIOL 101, BIOL 102; CHEM 110, CHEM 112; or ENVS 101.

### **ENVS 302 Environmental Science Lab I**

*1 semester hour*

Use of standard tests in environmental science to determine chemical and biological species of interest in air, water, and soil systems.

Laboratory, 4 hours.

Prerequisites: MATH 104; ENVS 301 or concurrent enrollment.

### **ENVS 310 Oceanography**

*3 semester hours*

The basic concepts of physical and biological oceanography will be presented.

Lecture, 3 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; CHEM 110, CHEM 111, CHEM 112, CHEM 113.

### **ENVS 318 Principles of Ecology**

*3 semester hours*

(See BIOL 318.)

### **ENVS 330 Environmental Chemistry**

*3 semester hours*

A study of environmental chemistry. Topics include stratospheric chemistry, the chemistry of ground-level air and air pollution, toxic organic chemicals, the chemistry of natural waters, soil chemistry and heavy metals, energy production and the environment.

Lecture, 3 hours.

Prerequisites: CHEM 112 and CHEM 113.

### **ENVS 332 Environmental Science Lab II**

*1 semester hour*

Use of standard methods of analysis to determine pollutants found in air, water, and soil systems. Emphasis will be on the use of instrumental methods and techniques.

Laboratory, 4 hours.

Prerequisites: BIOL 101, BIOL 102; CHEM 110, CHEM 112; MATH 104.

### **ENVS 356 Sustainable Practices**

*3 semester hours*

(See CHEM 356.)

### **ENVS 357 Environmental Chemistry I**

*3 semester hours*

A study of chemical processes in the environment. Topics include stratospheric ozone depletion, the greenhouse effect, climate change, air pollution, and non-renewable sources of energy.

Prerequisites: CHEM 110 and CHEM 112.

### **ENVS 358 Environmental Chemistry II**

*3 semester hours*

A study of chemical processes in the environment. Topics include renewable sources of energy, water chemistry, water purification, sewage treatment, pesticides, solid waste, soils and sediments.

Prerequisites: CHEM 110 and CHEM 112.

### **ENVS 359 Environmental Chemistry Lab**

*1 semester hour*

Analysis to determine pollutants found in air, water, soil systems; emphasis on the use of instrumental methods and techniques.

Prerequisites: CHEM 110, CHEM 111, CHEM 112, and CHEM 113.  
Corequisite: CHEM 357 or CHEM 358.

### **ENVS 398 Special Studies**

*1 TO 3 semester hours*

### **ENVS 399 Independent Studies**

*1 TO 4 semester hours*

### **ENVS 401 Senior Seminar/Project**

*3 semester hours*

Research work on a project within the field of environmental science including presentation of a seminar over work.

Consent of instructor required.

### **ENVS 420 Environmental Systems Lab**

*3 semester hours*

Chemical and microbiological tests and demonstrations for environmental systems.

Laboratory, 3 hours.

Prerequisite: CIVL 320 or ENVS 358.

### **ENVS 490 Environmental Science Teaching**

*0 TO 2 semester hours*

Guided teaching of undergraduate laboratories.

May be repeated for credit.

Consent of instructor required.

### **ENVS 491 Environmental Science Capstone I**

*2 semester hours*

Work on a research project within the field of Environmental Science. Focus will be on conducting a literature review, developing an experimental procedure, and collection of data for the project.

Majors only or consent of Director required.

### **ENVS 492 Environmental Science Capstone II**

*2 semester hours*

Work on a research project within the field of environmental science. Focus will be on determining results and discussion of results, preparation for presentation, and write up of paper for submission for the project.

Majors only or consent of Director required.

Prerequisite: ENVS 491.

### **ENVS 493 Environmental Science Internship**

*1 TO 4 semester hours*

Work experience in the field of environmental science in a research, industry, or municipal setting.

### **ENVS 498 Special Studies**

*1 TO 4 semester hours*

### **ENVS 499 Independent Studies**

*1 TO 4 semester hours*

### **ENVS 500 Geology**

*3 semester hours*

Atmospheric, aqueous, and igneous agencies; river and marine deposits, glacier, earth movement, volcanoes, earthquakes.

Emphasis placed on factors affecting engineering projects; field trips.

### **ENVS 504 Climate Change, Impacts, and Sustainability**

*3 semester hours*

Overview of Earth's climate system and exploration of the science, impacts, and politics of global climate change. Specific topics include the greenhouse effects; El Nino; atmospheric and oceanic circulation; observations and projections; impacts on water resources and agriculture; politics; alternative energy; sustainability; and mitigation. Special emphasis is placed on California and the western United States.

**ENVS 513 Solid Waste Engineering**

2 semester hours

An application of current technology in the control, disposal, and recovery of value from solid wastes.

Lecture, 3 hours.

**ENVS 515 Environmental Impact Reports**

3 semester hours

An engineering perspective of managing projects through the California Environmental Quality Act (CEQA) process.

Lecture, 3 hours.

**ENVS 518 Applied Oceanography**

3 semester hours

A study of the physical, chemical, and biological characteristics of the oceans which must be considered in the design of wastewater outfalls, marine structures, etc.

Lecture, 3 hours.

**ENVS 525 Inland Waters**

3 semester hours

The structure of and movement of water in lakes, rivers, and estuaries; cyclical and progressive changes of the physical, chemical, and biological composition of aquatic systems are discussed along with an explanation of lake remediation techniques.

Lecture, 3 hours.

Prerequisites: ENVS 533 or ENVS 633 and ENVS 544 or ENVS 644.

**ENVS 531 Principles of Water Quality Management**

3 semester hours

Review of the basic parameters used to describe water quality. Fundamentals of aquatic interaction in natural systems and fate of pollutants in the natural environments. Basic water and wastewater treatment systems.

Prerequisites: Introductory calculus, basic physics, and chemistry.

**ENVS 533 Aquatic Chemistry**

3 semester hours

Equilibrium chemistry concepts including gas- and solid-liquid equilibria applied to aquatic systems. Emphasis on calculation methods for solving for chemical speciation in natural and treated aquatic systems.

Lecture, 3 hours.

Senior standing required.

CHEM, CIVL, or ENVS majors only.

**ENVS 544 Applied Microbiology**

3 semester hours

Emphasis on physical and biochemical aspects of bacterial metabolism and behavior as applied to environmental engineering; kinetics and energetics of microbial growth.

Lecture, 3 hours.

Prerequisites: CIVL 400 and ENVS 533.

**ENVS 550 Watershed Function and Protection**

3 semester hours

Discussion of watershed structure, function, pollution, management and protection. Topics include ecosystem services provided by various types of watersheds, impacts from various pollutants and poor land uses, and mitigation measures through various regulatory measures and best management practices (BMPs). Several weekend field trips are required, and a class project will be assigned involving some aspect of watershed protection strategy.

Junior or senior standing required.

**ENVS 593 Environmental Science Internship Workshop**

1 TO 4 semester hours

Advanced work experience in the field of environmental science in a research, industry, or municipal setting.

**ENVS 598 Special Studies**

1 TO 4 semester hours

**ENVS 599 Independent Studies**

1 TO 4 semester hours

**ENVS 600 Ecology of Resilient Cities**

3 semester hours

An investigation into the biophysical and social ecology of urban environments. Considering human legacies of land use and land cover change, the course explores the core elements of sustainable urban communities.

Lecture, 3 hours.

Enrollment in Urban Ecology Track or consent of instructor and program director required.

**ENVS 601 Behavioral Ecology and Management of Urban Wildlife**

3 semester hours

An examination of how wildlife populations interact with the urban environments and the humans that populate them. This course has a strong focus on data and methodology and considers the role of urban habitats as sources and sinks for native and invasive species.

Lecture, 3 hours.

Enrollment in Urban Ecology Track or consent of instructor and program director required.

**ENVS 602 Land Use, Legacies, and Transformation in Urban Ecosystems**

3 semester hours

Enrollment in Urban Ecology Track or consent of instructor and program director required.

**ENVS 603 Advanced Topics in Urban Ecology**

3 semester hours

Taught as a seminar, this course provides a forum for investigating cutting edge ideas in urban ecosystem function and change. Taught from the original literature, and with the help of visiting scholars, the themes of the course will vary from year to year.

**ENVS 604 Climate Change, Impact, and Sustainability**

3 semester hours

Overview of Earth's climate system and exploration of the science, impacts, and politics of global climate change. Specific topics include the greenhouse effect; El Nino; atmospheric and oceanic circulations; observations and projections; impacts on water resources and agriculture; politics; alternative energy; sustainability; and mitigation. Special emphasis is placed on California and the western United States.

**ENVS 613 Solid Wastes Engineering**

3 semester hours

Application of current technology to municipal solid waste collection, separation and recovery, haul and transport, and municipal landfill design including gas collection and handling.

**ENVS 615 Environmental Impact Reports**

3 semester hours

An engineering perspective of managing water and wastewater projects through the California Environment Quality Act (CEQA) process.

**ENVS 618 Applied Oceanography**

*3 semester hours*

A study of the physical, chemical, and biological characteristics of the oceans which must be considered in the design of wastewater outfalls, marine structures, etc.

Adequate mathematics/science background required.

### **ENVS 625 Inland Waters**

*3 semester hours*

The structure and movement of water in lakes, rivers, and estuaries; cyclical and progressive changes of the physical, chemical, and biological composition of aquatic systems are discussed along with an explanation of lake remediation techniques.

Prerequisites: ENVS 533 or ENVS 633 and ENVS 644.

### **ENVS 631 Principles of Water Quality Management**

*3 semester hours*

Review of the basic parameters used to describe water quality.

Fundamentals of aquatic interaction in natural systems and fate of pollutants in the natural environments. Basic water and wastewater treatment systems.

Graduate standing in Frank R. Seaver College of Science and Engineering degree program required.

### **ENVS 633 Aquatic Chemistry**

*3 semester hours*

Equilibrium chemistry concepts including gas- and solid-liquid equilibria applied to aquatic systems. Emphasis on calculation methods for solving for chemical speciation in natural and treated aquatic systems.

Graduate standing in Frank R. Seaver College of Science and Engineering degree program required.

### **ENVS 635 Chemical Fate and Transport**

*3 semester hours*

Introduction to physical, chemical, and biological processes governing the movement and fate of chemicals in surface water and the subsurface. Practical quantitative problems solved based on chemical transport and reactions in the environment.

Prerequisite: ENVS 633 or permission of the instructor.

### **ENVS 644 Applied Microbiology**

*3 semester hours*

Emphasis on physical and biochemical aspects of bacterial metabolism and behavior as applied to environmental engineering; kinetics and energetics of microbial growth.

Prerequisites: ENVS 531 or ENVS 631 and ENVS 533 or ENVS 633.

### **ENVS 645 Environmental Engineering and Science Laboratory**

*3 semester hours*

The application of standard tests to determine the chemical and biological quality characteristics in wastewater, water, and aquatic systems.

Prerequisites: ENVS 531 or ENVS 631, ENVS 533 or ENVS 633, and ENVS 544 or ENVS 644.

### **ENVS 650 Watershed Function and Protection**

*3 semester hours*

Discussion of watershed structure, function, pollution, management and protection. Topics include ecosystem services provided by various types of watersheds, impacts from various pollutants and poor land uses, and mitigation measures through various regulatory measures and best management practices (BMPs). Several weekend field trips are required, and a class project will be assigned involving some aspect of watershed protection strategy.

### **ENVS 695 Master Thesis**

*3 semester hours*

### **ENVS 698 Special Studies**

*1 TO 4 semester hours*

### **ENVS 699 Independent Studies**

*1 TO 4 semester hours*

### **European Studies (EURO)**

#### **EURO 1181 European Language and Culture I**

*4 semester hours*

Introduction to a specific European language. Designed for complete beginners. No placement test necessary upon on-site arrival.

Only available to LMU Study Abroad Program students.

Repeatable up to four times, as long as each is a different language (FREN, GRMN, ITAL, SPAN).

#### **EURO 1182 European Language and Culture II**

*4 semester hours*

Designed for false beginners—i.e., students who either took a language a long time ago and do not remember it, or students who were exposed to the language, but not in a formal way—in a specific European language. Students will take a placement test upon on-site arrival to be assigned to the appropriate level.

Only available to LMU Study Abroad Program students.

Repeatable up to four times, as long as each is a different language (FREN, GRMN, ITAL, SPAN).

#### **EURO 1998 Special Studies**

*1 TO 4 semester hours*

#### **EURO 1999 Independent Studies**

*1 TO 4 semester hours*

#### **EURO 2283 European Language and Culture III**

*4 semester hours*

Designed for students with intermediate proficiency in a specific European language. Students will take a placement test upon on-site arrival to be assigned to the appropriate level.

Only available to LMU Study Abroad Program students.

Repeatable up to four times, as long as each is a different language (FREN, GRMN, ITAL, SPAN).

#### **EURO 2284 European Language Culture IV**

*4 semester hours*

Designed for students with intermediate to advanced proficiency in a specific European language. Students will take a placement test upon on-site arrival to be assigned to the appropriate level.

Only available to LMU Study Abroad Program students.

Repeatable up to four times, as long as each is a different language (FREN, GRMN, ITAL, SPAN).

#### **EURO 2998 Special Studies**

*1 TO 4 semester hours*

#### **EURO 2999 Independent Studies**

*1 TO 4 semester hours*

#### **EURO 3020 Late Antique and Medieval Western Christianity**

*4 semester hours*

(See THST 3020.)

#### **EURO 3021 The History of Christianity from the Middle Ages to the Present**

*4 semester hours*

(See THST 3021.)

#### **EURO 3210 Classical and Near Eastern Myths**

4 semester hours  
(See CLAR 3210.)

**EURO 3221 Greek Orthodox Tradition**

4 semester hours  
(See THST 3221.)

**EURO 3252 Orthodox Christian Spirituality**

4 semester hours  
(See THST 3252.)

**EURO 3303 Art and Architecture of Ancient Greece**

3 semester hours  
(See ARHS 3102 and CLAR 3230.)

**EURO 3304 Arts of Ancient Rome**

3 semester hours  
(See ARHS 3104 and CLAR 3240.)

**EURO 3510 Ancient Philosophy**

4 semester hours  
(See PHIL 3510.)

**EURO 3520 Medieval Philosophy**

4 semester hours  
(See PHIL 3520.)

**EURO 3530 Modern Philosophy I**

4 semester hours  
(See PHIL 3530.)

**EURO 3540 Modern Philosophy II**

4 semester hours  
(See PHIL 3540.)

**EURO 3998 Special Studies**

1 TO 4 semester hours

**EURO 3999 Independent Studies**

1 TO 4 semester hours

**EURO 4241 Paris Métisse: Multiculturalism in Paris**

4 semester hours

The course's objective is to understand the concept of "métissage" in contemporary Parisian society through contact with the modern arts—poetic, pictorial, and musical—through an analysis of various texts and through personal interviews with exiles.

(This course can fulfill some of the requirements for the major in European Studies.)

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

University Core fulfilled: Flag: Engaged Learning.

**EURO 4331 Paris through Film**

4 semester hours

(See FREN 4331.)

University Core fulfilled: Flag: Engaged Learning.

**EURO 4541 Poetics of Modern Landscape**

4 semester hours

A comparative study of the poetics of modern landscape as reflected in contemporary French/European literature and the arts.

(This course can fulfill some of the requirements for the major in European Studies.)

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

**EURO 4700 Major Thinkers**

4 semester hours  
(See PHIL 4700.)

**EURO 4998 Special Studies**

1 TO 4 semester hours

**EURO 4999 Independent Studies**

1 TO 4 semester hours

**EURO 5000 Capstone Project**

1 semester hour

The capstone project consists of a portfolio that meets the objectives of the European Studies major.

Credit/No Credit grading.

Senior standing required.

**Environmental Studies (EVST)**

**EVST 1000 Introduction to Environmental Studies**

4 semester hours

The course is an overview of issues in environmental studies from the perspective of the humanities and social sciences. Topics may include philosophical, theological, historical, economic, and/or political analyses of environmental issues.

**EVST 1998 Special Studies**

1 TO 4 semester hours

**EVST 1999 Independent Studies**

1 TO 4 semester hours

**EVST 2998 Special Studies**

1 TO 4 semester hours

**EVST 2999 Independent Studies**

1 TO 4 semester hours

**EVST 3998 Special Studies**

1 TO 4 semester hours

**EVST 3999 Independent Studies**

1 TO 4 semester hours

**EVST 4001 Environmental Studies Capstone Seminar**

4 semester hours

A capstone seminar in which student groups will bring to bear the multidisciplinary and interdisciplinary perspectives they have developed in the minor by analyzing a local Environmental Impact Report (EIR) or similar local development issue.

EVST seniors only or by consent of Director.

University Core fulfilled: Flag: Engaged Learning.

**EVST 4998 Special Studies**

1 TO 4 semester hours

**EVST 4999 Independent Studies**

1 TO 4 semester hours

**Filipino (FLPN)**

**FLPN 2101 Filipino 1**

4 semester hours

This course is designed for students who have little or no knowledge of the language. Students will learn how to construct the basic sentence patterns in Filipino/Tagalog, and to use the actor focus verbs UM, MAG, MA and the object focus verb -IN as well as the different sets of pronouns and their proper use: nominative, dative, and genitive.

## **FLPN 2102 Filipino 2**

*4 semester hours*

This course is a continuation of Filipino 1. The course will also cover the Object Focus Verbs -IN, I-, -AN, and the abilitative focus verbs MAKA- and MAKAPAG- and the causative verb MAGPA-. There will be extensive role play and multimedia materials to assist students in learning the language.

## **FLPN 2103 Filipino 3**

*4 semester hours*

This course is designed to strengthen listening, speaking, reading, and writing skills and to improve communicative competence by teaching the social rules along with the linguistic rules. Students will be introduced to more complex sentence structures and the other verb focuses: locative, instrumental, and directional.

## **FLPN 2104 Filipino 4**

*4 semester hours*

This course is a continuation of Filipino 3. Students will have extensive practice in narration (pagsasalaysay); description of people, places, objects, feelings (paglalarawan); defining and explaining a procedure (paglalahad); and argumentation (pangangatwiran). More complex grammatical structures and readings will be used to further the students' proficiency in the language.

## **First Year Seminar (FFYS)**

### **FFYS 1000 First Year Seminar**

*3 OR 4 semester hours*

The Core experience begins with a First Year Seminar (FYS) that introduces students to the spirit of academic excellence and intellectual rigor at LMU. Aimed at improving students' written and oral communication skills, the FYS invites students to engage critically and reflectively with scholarly discourse in a variety of formats: written, oral, and visual. The topic for each section of FYS is chosen and developed by its instructor within one of seven broad themes including 1) Faith and Reason, 2) Ethics and Justice, 3) Virtue and Justice, 4) Culture, Art, and Society, 5) Power and Privilege, 6) Globalization, and 7) Science, Nature, and Society.

## **Finance (FNCE)**

### **FNCE 1001 Planning for a Career in Finance**

*0 semester hours*

This course consists of four workshops to help students understand the nature of finance jobs and how to find one.  
Credit/No Credit grading.

### **FNCE 3400 Fundamentals of Corporate Finance**

*4 semester hours*

This course introduces students to fundamental financial decisions made by various types of organizations. The principal objective of the course is for students to develop an understanding of the basic tools of financial analysis. The topics of discounted cash flow valuation, long-term investment decisions, capital structure, and risk and required return will be emphasized. Students will analyze financial problems of business enterprises and investment issues related to maximizing shareholder value.

Students must enroll in FNCE 1001 at the same time or prior to enrolling in FNCE 3400.

Prerequisites: ACCT 2110, ACCT 2120 (either completed or taking concurrently); ECON 1050 (or ECON 1100 and ECON 1200), ECON 2300 or ECON 2350 or MATH 104; MATH 112, MATH 120, all with a minimum grade of C (2.0).

### **FNCE 3410 Fundamentals of Finance**

*3 semester hours*

Topics include structure and financial problems of business enterprises; methods and instruments available for promoting, financing, recapitalizing, and reorganizing business enterprises; and social control of security issues and exchanges. In addition, time value of money, risk and return trade-offs, security valuation, and working capital management will be studied.

Prerequisites: ACCT 2120; BADM 1010, BADM 1020; ECON 1050 (or ECON 1100 and ECON 1200), ECON 2300 or ECON 2350 or MATH 104; MATH 112 or MATH 131, all with a minimum grade of C (2.0).

### **FNCE 3420 Investments**

*4 semester hours*

The course will examine the sources and demand for investment capital, investment policy, and procedures for the analysis of security evaluation. Students will become competent in stock and bond valuation, capital asset pricing, options, portfolio computation, performance evaluation, and foreign exchange. Students will become familiar with investment statistics, primary and secondary markets, tax consequences, retirement planning, market efficiency, macroeconomics, and financial statement analysis.

Prerequisites: ACCT 2110 and ACCT 2120, both with a grade of C (2.0) or better; FNCE 3400 or FNCE 3410.

### **FNCE 3430 Financial Policy**

*3 semester hours*

This course focuses on corporate finance decision making using finance cases to analyze financial policies and problems of business enterprises as well as investment issues related to maximizing corporate value. Students will develop advanced skills in corporate value/shareholder wealth maximization including learning tools and concepts employed in analyzing and managing financial risk. Students obtain hands-on experience in the conduct of financial policy analysis through completion of a mergers and acquisitions project. Skills learned are especially applicable to employment in firms in all industries including investment banking.

Prerequisite: FNCE 3400 or FNCE 3410.

### **FNCE 3440 Mergers and Acquisitions**

*4 semester hours*

This course will introduce students to the merger and acquisition process and alternative restructuring strategies including business alliances, divestitures, spin-offs, split-offs, carve-outs, and bankruptcy. The student will learn to develop acquisition plans as part of an investment banking team charged with implementing a firm's business strategy. The team will be responsible for valuing the target firm, negotiating and structuring the deal, and for resolving common tax, payment, accounting, and legal issues arising during transactions.

Prerequisite: FNCE 3477.

### **FNCE 3456 Entertainment Finance**

*4 semester hours*

The overarching theme of this course is to study the different financial structures and challenges in each entertainment segment. Entertainment companies use a vast array of techniques to raise capital, budget their capital, and return cash to shareholders and other stakeholders, many of which will be explored. Students will also be exposed to the underlying business model of each segment to understand the financial and operational constraints under which these firms operate. The ultimate goal of the course is to prepare students for their first job in entertainment finance.

Prerequisite: FNCE 3477.

### **FNCE 3477 Valuation and Financial Modeling**

*4 semester hours*

This course will cover the theory and practice of financial statements

analysis and valuation. Students will learn how to use theory and data to solve challenging business problems with incomplete information. Students will become comfortable with using financial modeling as a tool to help them perform financial analysis and make decisions.

Prerequisite: FNCE 3400 or FNCE 3410.

### **FNCE 3497 Internship**

*1 semester hour*

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

### **FNCE 4410 Entrepreneurial Finance**

*3 semester hours*

In this course, students are introduced to the financial aspects of small businesses and entrepreneurial ventures. The key topics include evaluating new business ideas and ventures, reading and understanding financial statements of rapidly growing companies, and developing financing strategies. We also discuss various debt and equity alternatives of financing, the different valuation techniques, and key tactics and approaches to negotiating term sheets.

(See ENTR 4310.)

Prerequisite: FNCE 3410.

### **FNCE 4420 Real Estate Finance, Investment, and Entrepreneurship**

*4 semester hours*

This course introduces students to gathering relevant data (both primary and secondary data) to build financial models for analyzing, interpreting, and making decisions on evaluation of alternative real estate investment opportunities with alternative financial structures. Hands-on entrepreneurial learning makes use of cases, gathering primary data, financial modeling, and estimating the most an investor should pay for a specific property. More specifically, this course includes determining a property's "investment value," financing strategy, risk analysis, taxation, market area supply and demand analysis by property type (e.g., single-family homes, apartments, office, retail, warehouses, and other industrial properties), alternative investment ownership (e.g., sole proprietorships, REITs, Limited Partnerships, LLCs, etc.), as well as evaluating alternative financing instruments in both primary and secondary markets.

(See ENTR 4320.)

Prerequisite: FNCE 3477.

### **FNCE 4430 Capital Markets**

*4 semester hours*

This course studies the history and need for different financial markets and institutions. The course introduces students to the basics of financial markets and institutions. The key topics include the role of financial markets and institutions, the structure of the financial system, the history and role of the Federal Reserve, and the structure of various financial markets (equity, money, bond, mortgage). The financial institutions component studies the role that different institutions play within each financial market. A recurring theme throughout the course is the concept of information asymmetry, which we will apply to understand salient features of the financial landscape.

Prerequisite: FNCE 3400 or FNCE 3410.

### **FNCE 4440 Financial Modeling for Decision Support**

*3 semester hours*

This course introduces spreadsheet modeling, programming skills, and advanced quantitative analysis tools to support financial

decision-making. Hands-on experience in the development of financial forecasting, simulation, and optimization models for applications in valuation, cash budgeting, and portfolio structuring will be provided.

(See AIMS 4740.)

Prerequisites: AIMS 3770; FNCE 3400 or FNCE 3410.

### **FNCE 4470 Multinationals and the Third World**

*3 semester hours*

This course examines business activity by multinationals corporations in Third World countries focusing on conventional theory and practices of multinational enterprise, user-friendly shareholder wealth maximization, multinational finance, and corporate ethics. Issues of analysis include technology transfer, institutional arrangements, entry strategy and entry options, host country bargaining power, shareholder wealth maximization, workplace protection, financing decisions, direct foreign investment, and business ethics.

(See INBA 4870.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, FNCE 3400 or FNCE 3410, and INBA 3810.

### **FNCE 4480 International Finance**

*3 semester hours*

This course introduces students to international business finance and the workings of international financial markets. The principal objective of the course is for students to develop an understanding of the basic tools of financial decision making in an international environment. Key topics of study include exchange rate determination, relationships between inflation, interest rates, and exchange rates, risk management, multinational capital budgeting, and international portfolio theory.

(See INBA 4880.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, FNCE 3400 or FNCE 3410, INBA 3810.

### **FNCE 4491 Student Investment Fund: Security Analysis**

*4 semester hours*

This course is Part I of the Student Investment Fund (SIF) Program. In this one-year program, the students gain hands-on experience in managing the Student Investment Fund by learning the theory and practice of securities investment and portfolio management within an academic context, enhanced by the frequent interaction with individuals and institutions engaged in the money management industry. While the focus of Part I is stock valuation using absolute and relative valuation models, this course will also familiarize the students with topics covered in a typical investment course such as financial markets and financial instruments as well as investment concepts and theory, including risk and return, diversification, Capital Asset Pricing Model, etc.

Prerequisite: FNCE 3400 or FNCE 3410.

### **FNCE 4492 Student Investment Fund: Portfolio Management**

*4 semester hours*

This course is Part II of the Student Investment Fund (SIF) Program. In this one-year three-course program, the students gain hands-on experience in managing the Student Investment Fund by learning the theory and practice of securities investment and portfolio management within an academic context, enhanced by the frequent interaction with individuals and institutions engaged in the money management industry. While the students continue to apply what they have learned in Part I of the program to stock analysis and investment, the main focus of this part of the program is the application of portfolio theory to portfolio formation and performance measurement. The course culminates with the production and presentation of the SIF Annual Report at the end of the semester. Additionally, the students will also learn investment topics that are

not covered in Part I, including analysis and management of bonds and an overview of derivative securities.

Prerequisite: FNCE 4491.

**FNCE 4493 Student Investment Fund: Investment Research Lab**  
*2 semester hours*

This course is Part III of the Student Investment Fund (SIF) Program. In this one-year program, the students gain hands-on experience in managing the Student Investment Fund by learning the theory and practice of securities investment and portfolio management within an academic context, enhanced by the frequent interaction with individuals and institutions engaged in the money management industry. The focus of this course is experiential learning via the application of the theories covered in both Parts I and II of the program to the analysis and investments of stocks and management of the SIF portfolio, utilizing the databases and software available.

Prerequisite: FNCE 4491.

**FNCE 4498 Special Studies**

*1 TO 4 semester hours*

**FNCE 4499 Independent Studies**

*1 TO 4 semester hours*

Requires approval of the Associate Dean.

**Foreign Literature in English Translation (FNLT)**

**FNLT 1998 Special Studies**

*1 TO 4 semester hours*

**FNLT 1999 Independent Studies**

*1 TO 4 semester hours*

**FNLT 2500 World Literature**

*4 semester hours*

A study of selected texts from international literature.

**FNLT 2998 Special Studies**

*1 TO 4 semester hours*

**FNLT 2999 Independent Studies**

*1 TO 4 semester hours*

**FNLT 3500 Introduction to Modern Greek Literature**

*4 semester hours*

(See MDGK 3341.)

**FNLT 3998 Special Studies**

*1 TO 4 semester hours*

**FNLT 3999 Independent Studies**

*1 TO 4 semester hours*

**FNLT 4200 Comparative Cultures**

*4 semester hours*

Interdisciplinary and comparative approaches in the study of cultures. Students study the process through which different nations or communities understand and express their cultural identities and diversities. They examine the ways in which cultural identities become politically dominant at different historical moments, and how, more generally, cultures contaminate and influence each other. Junior or senior standing required.

University Core fulfilled: Integrations: Interdisciplinary Connections (for specific content courses); Flags: Writing, Oral Skills (for specific content courses).

**FNLT 4241 Paris Métisse: Multiculturalism in Paris**

*4 semester hours*

The course's objective is to understand the concept of "métissage" in contemporary Parisian society through contact with the modern arts—poetic, pictorial, and musical—through an analysis of various texts and through personal interviews with exiles.

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

University Core fulfilled: Flag: Engaged Learning.

**FNLT 4331 Paris through Film**

*4 semester hours*

An examination of filmic narratives about/in Paris by representative international directors from the 1950s up to the present through a study of filmic themes, genres, trends, movements, and gender issues. Students analyze how selected filmic narratives in/about Paris manage to represent "Frenchness" in the global context. Class discussions are in English; however, students do all small group discussions, written work, and exams in French.

This class is only offered in the LMU Summer Study Abroad Program in Paris, France.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or by consent of instructor.

University Core fulfilled: Flag: Engaged Learning.

**FNLT 4998 Special Studies**

*1 TO 4 semester hours*

**FNLT 4999 Independent Studies**

*1 TO 4 semester hours*

**French (FREN)**

**FREN 1998 Special Studies**

*1 TO 4 semester hours*

**FREN 1999 Independent Studies**

*1 TO 4 semester hours*

**FREN 2101 French 1**

*4 semester hours*

A course intended for students who have not taken French before.

Based on a communicative approach, the course emphasizes reading, writing, and oral proficiency in basic French. Materials covered include an introduction to all articles, pronouns, regular and irregular verbs in past and present tenses and in indicative and imperative modes, adjectives, prepositions, and basic vocabulary.

**FREN 2102 French 2**

*4 semester hours*

A continuation of FREN 2101. New materials covered include an introduction to pronominal verbs, verbs in the future tense and in the subjunctive and conditional modes, adjectives, pronouns, adverbs, and many idiomatic vocabulary and verbal expressions.

Prerequisite: FREN 2101 or by LMU Placement Exam.

**FREN 2103 French 3**

*4 semester hours*

After reviewing FREN 2101 and FREN 2102, an introduction to more complex linguistic patterns presented in a French/Francophone cultural and comparative context. Includes practice in speaking, listening, reading, and writing through discussion of short texts, written exercises and short compositions, and work with multimedia resources.

Prerequisite: FREN 2102 or LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

**FREN 2998 Special Studies**

*1 TO 4 semester hours*

**FREN 2999 Independent Studies**

1 TO 4 semester hours

**FREN 3104 Mastery of French**

4 semester hours

Developing complex linguistic patterns introduced in FREN 2103.

Includes more practice in speaking, listening, reading, and writing through discussion of various texts and multimedia resources, written exercises, and longer compositions. Students are also initiated to French literature, drama, and poetry through the apprenticeship of French pronunciation.

Prerequisite: FREN 2103 or by LMU Placement Exam or consent of instructor.

University Core fulfilled: Flag: Oral Skills.

**FREN 3240 History of Ideas**

4 semester hours

A survey of literary themes and of the evolution of the social, political, and philosophical ideas in France, expressed in a variety of forms through the works of major writers, from the inception of French literature to the present.

Prerequisite: FREN 3104 or by LMU Placement Exam or consent of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**FREN 3450 Stylistics and Translation**

4 semester hours

A study of different modes of writing and of the major grammatical, stylistic, and vocabulary challenges when translating from English into French and vice versa. Practice with a broad range of literary, professional, and journalistic texts.

Prerequisite: FREN 3104 or by LMU Placement Exam or consent of instructor.

University Core fulfilled: Flag: Engaged Learning.

**FREN 3850 Writing Workshop in French**

4 semester hours

A course designed to improve written expository prose in French.

Practice of various forms of writing, such as extensive, intensive, and team writing, through the approach of global simulations.

Prerequisite: FREN 3104 or by LMU Placement Exam or consent of instructor.

University Core fulfilled: Explorations: Creative Experience; Flag: Writing.

**FREN 3998 Special Studies**

1 TO 4 semester hours

Prerequisite: FREN 3104 or by LMU Placement Exam or consent of instructor.

**FREN 3999 Independent Studies**

1 TO 4 semester hours

Prerequisite: FREN 3104 or by LMU Placement Exam or consent of instructor.

**FREN 4231 Identity Crisis in Contemporary France**

4 semester hours

An analysis of France's identity crisis in light of recent debates on twentieth-century French history and national identity. The troubled legacies of key events in modern French history, such as the Great War and its destructive effects on postwar French society; Vichy and French participation in the Holocaust; the Algerian War and decolonization; and the crimes of Communism worldwide are examined through the debates and controversies they have generated in France since the 1990s.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4232 Philosophy and Aesthetics of Labor in France**

4 semester hours

This course explores the individual and social dimension of labor through its representation in literature from Rousseau's Social Contract to the present. Along with the concept of work the following factors are examined: the ethical structure, power dynamics, and the symbolic construction of a place and a presence in the world, which gives meaning to individual and community existence.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4233 Culture of Laughter**

4 semester hours

From the Middle Ages to the present, the course explores the different comic forms of humor and tries to understand what makes French people laugh. To what degree is the comic used to mask something else? The course explores the expected and unexpected context in which humor can be used.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4241 Paris Métisse: Multiculturalism in Paris**

4 semester hours

The course's objective is to understand the concept of "métissage" in contemporary Parisian society through contact with the modern arts—poetic, pictorial, and musical—through an analysis of various texts and through personal interviews with exiles.

(This course can fulfill some of the requirements for the major in French.)

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

University Core fulfilled: Flag: Engaged Learning.

**FREN 4250 Workshop in Professional French**

4 semester hours

A course designed for students who wish to reinforce and perfect their knowledge of French while being introduced to relevant, daily communication in the professional world. Topics vary by professional fields, such as French for business, tourism, the sciences, the legal field, administration, fashion, or catering and gastronomy. Students practice common oral and written professional interaction in the selected field through functional simulations.

May be repeated as specific content changes.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4330 Fictions of Culture, Film, and Other Media**

4 semester hours

A course designed to introduce students to French culture through films and other media.

May be repeated as specific content changes.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4331 Paris through Film**

4 semester hours

An examination of filmic narratives about/in Paris by representative international directors from the 1950s up to the present day through a study of filmic themes, genres, trends, movements, and gender issues. Students analyze how selected filmic narratives in/about Paris manage to represent "Frenchness" in the global context. The class discussions are in English; however, students do all small group discussions, written work, and exams in French.

This class is only offered in the LMU Summer Study Abroad Program in Paris, France.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

University Core fulfilled: Flag: Engaged Learning.

**FREN 4332 Francophone Film**

*4 semester hours*

A study of representative films from the French-speaking world outside of France.

May be repeated as specific content changes.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4530 Women in French**

*4 semester hours*

An examination of the topics and/or issues raised in women's texts in French.

May be repeated as specific content changes.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4531 Science Fiction and Fantasy Scenarios**

*4 semester hours*

This course explores visions of the future by representative science fiction and fantasy texts in French, from the founding father of science fiction, Jules Verne, to contemporary French/francophone authors and filmmakers.

May be repeated as specific content changes.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4532 Francophone Literature**

*4 semester hours*

A study of representative writers from the French speaking world outside of France.

May be repeated as specific content changes.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4551 Theater Workshop in French**

*4 semester hours*

A course designed to offer an original combination of linguistic and dramatic training in French. Students are introduced to acting techniques and discover the richness of the French dramatic repertoire. They perform their work in the course: a collection of selected scenes from classical and modern French theater.

May be repeated as specific content changes.

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Oral Skills.

**FREN 4990 Senior Capstone Project**

*2 semester hours*

Exit portfolio (for majors only).

Credit/No Credit grading.

Seniors only.

**FREN 4998 Special Studies**

*1 TO 4 semester hours*

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**FREN 4999 Independent Studies**

*1 TO 4 semester hours*

Prerequisite: One (1) FREN 3000-level course other than FREN 3104, or consent of instructor.

**Film and Television Arts (FTVA)**

**FTVA 198 Special Studies**

*0 TO 3 semester hours*

**FTVA 199 Independent Studies**

*0 TO 3 semester hours*

**FTVA 298 Special Studies**

*0 TO 3 semester hours*

**FTVA 299 Independent Studies**

*0 TO 3 semester hours*

**FTVA 398 Special Studies**

*0 TO 3 semester hours*

**FTVA 399 Independent Studies**

*0 TO 3 semester hours*

**FTVA 490 Entertainment Internship**

*0 semester hours*

This course offers a supervised internship within the entertainment industry administered through the Entertainment Internship Program.

May be repeated three times.

Credit/No Credit grading.

**FTVA 491 Entertainment Career Internship**

*1 TO 3 semester hours*

This course offers a supervised internship within the entertainment industry administered by the Entertainment Internship Program. It provides the necessary resources and tools for students to maximize their career seeking skills within the entertainment industry through internship advisement, resume and cover letter support, and reflection on the internship experience.

May be repeated three times for degree credit.

Credit/No Credit grading.

**FTVA 498 Special Studies**

*0 TO 3 semester hours*

**FTVA 499 Independent Studies**

*0 TO 3 semester hours*

**FTVA 555 Incubator Lab**

*0 TO 3 semester hours*

**FTVA 590 Entertainment Internship**

*0 semester hours*

This course offers a supervised internship within the entertainment industry administered through the Entertainment Internship Program.

May be repeated three times.

Credit/No Credit grading.

**FTVA 598 Special Studies**

*0 TO 3 semester hours*

**FTVA 599 Independent Studies**

*0 TO 3 semester hours*

**FTVA 688 Intern Practicum**

*0 TO 3 semester hours*

Internship in some phase of film, television, or communications industry.

Prerequisite: Completion of 18 semester hours of graduate courses.

May be repeated three times.

Credit/No Credit grading.

**FTVA 698 Special Studies**

*0 TO 3 semester hours*

**FTVA 699 Independent Studies**

0 TO 3 semester hours

**Film and Television Studies (FTVS)****FTVS 200 Survey of Mass Media**

3 semester hours

Examination of the structure, function, and effects of the mass media.

**FTVS 210 Art of Cinema**

3 semester hours

An introduction to the elements of film language and aesthetics as well as an examination of film as a powerful cultural artifact.

Screenings, readings, and lecture/discussion.

Lab fee.

University Core fulfilled: Flag: Writing.

**FTVS 212 Art of Television**

3 semester hours

An introduction to the aesthetic and cultural elements of television. Screenings, readings, and lecture/discussion.

Lab fee.

University Core fulfilled: Flag: Writing.

**FTVS 313 History of American Film**

3 semester hours

A critical and historical survey of American film. Screenings, lectures, and discussions.

Lab fee.

**FTVS 314 History of International Film**

3 semester hours

A critical and historical survey of international film. Screenings, lectures, and discussions.

Lab fee.

University Core fulfilled: Flag: Writing.

**FTVS 315 History of the Documentary**

3 semester hours

A critical and historical survey of the documentary film and video. Screenings, lectures, and discussions.

Lab fee.

**FTVS 398 Special Studies**

1 TO 4 semester hours

**FTVS 399 Independent Studies**

0 TO 3 semester hours

**FTVS 410 Motion Picture Analysis**

3 semester hours

Critical analysis of representative current movies joined, whenever possible, by class encounters with the filmmakers themselves.

Lab fee.

Prerequisite: FTVS 210 or FTVS 212.

**FTVS 412 Film Authors**

3 semester hours

An in-depth study of films of a specific film author (director, writer, etc.). Screenings, lectures, and discussions.

Lab fee.

May be repeated only when a different author is studied.

**FTVS 416 Jewish Images in Film and Television**

3 semester hours

Examination of the ways that Jewish people, their culture, and faith

have been represented and have represented themselves in film and TV. Screenings, lecture, discussion.

Lab fee.

**FTVS 417 History of Broadcasting**

3 semester hours

An introduction to the history and structures of the broadcasting industry. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 418 Close Textual Analysis**

3 semester hours

An in-depth analysis of various film and TV texts.

Lab fee.

**FTVS 419 Special Topics: Theory**

3 semester hours

The examination and application of specific theoretical topics (e.g., feminism, post-modernism, modernism, race and ethnic studies, post-colonial studies, etc.) to film and TV texts. Screenings, readings, lectures/discussion.

Lab fee.

**FTVS 420 European Cinema**

3 semester hours

A critical and historical survey of European cinema. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 421 Asian Cinema**

3 semester hours

A critical and historical survey of Asian cinema. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 422 African Cinema**

3 semester hours

A critical and historical survey of African cinema. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 423 Latin American Cinema**

3 semester hours

A critical and historical survey of Latin American cinema.

Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 425 International TV**

3 semester hours

A critical and historical survey of international TV. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 429 Special Topics: National Cinema**

3 semester hours

An in-depth study of the films of one nation. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 430 The Western Film**

3 semester hours

A critical and historical survey of the Western film. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 431 Film Melodrama**

*3 semester hours*

A critical and historical survey of film melodrama as a specific genre or approach to genre. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 432 The Musical Film**

*3 semester hours*

A critical and historical survey of musical film. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 433 The Horror Film**

*3 semester hours*

A critical and historical survey of the horror film. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 434 Film Comedy**

*3 semester hours*

A critical and historical survey of the film comedy. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 435 Film Noir**

*3 semester hours*

A critical and historical survey of film noir. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 436 Science Fiction Film**

*3 semester hours*

A critical and historical survey of science fiction film. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 439 Special Topics: Film Genre**

*3 semester hours*

An in-depth study of a specific film genre, other than those regularly offered (e.g., suspense thriller). Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 440 TV Sitcoms**

*3 semester hours*

A critical and historical survey of TV sitcoms. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 441 TV Crime Shows**

*3 semester hours*

A critical and historical survey of TV crime shows. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 442 TV Westerns**

*3 semester hours*

A critical and historical survey of TV Westerns. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 443 Soap Operas**

*3 semester hours*

A critical and historical survey of TV soap operas. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 444 Reality TV**

*3 semester hours*

A critical and historical survey of reality TV. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 445 Science Fiction TV**

*3 semester hours*

A critical and historical survey of science fiction TV. Screenings, readings, lecture/discussion.

Lab fee.

University Core fulfilled: Flag: Writing.

**FTVS 446 Japanese Anime**

*3 semester hours*

A critical and historical survey of Japanese anime. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 447 African American Images on TV**

*3 semester hours*

A critical and historical survey of African American images on TV. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 449 Special Topics: TV Genre**

*3 semester hours*

An in-depth study of a specific TV genre not regularly offered (e.g., news, docudrama, etc.). Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 473 Women in Film**

*3 semester hours*

A critical and historical survey of representations of women in film as well as an examination of works of woman directors in an international context. Screenings, readings, lecture/discussion.

Lab fee.

**FTVS 498 Special Studies**

*1 TO 4 semester hours*

**FTVS 499 Independent Studies**

*0 TO 3 semester hours*

**FTVS 511 Television History**

*3 semester hours*

This seminar traces the history of television from the last days of radio, through the Golden Age of TV, to today's cable and Internet. Graduate SFTV majors only.

**FTVS 512 Seminar in Television Genres**

*3 semester hours*

The role of television as a popular art is explored through theoretical understandings of television genres including drama, situation comedy, news talk shows, sports, children's shows, daytime serials, one-hour dramas, etc.

Lab fee.

**FTVS 513 Seminar in American Film**

*3 semester hours*

An examination of the history and development of American film from the silent era to the present. Screenings, lectures, and discussions.

Lab fee.

**FTVS 514 Seminar in International Film**

*3 semester hours*

An examination of the history and development of international film

from the silent era to the present. Screenings, lectures, and discussions.

Lab fee.

**FTVS 515 Seminar on the Documentary**

*3 semester hours*

Advanced critical and analytical study of the evolution of documentary film/television. Screenings, lectures, and discussions.

Lab fee.

**FTVS 517 Seminar in TV Programming**

*3 semester hours*

Advanced critical and analytical study of broadcast programming in the United States and abroad. Screenings, lectures, and discussions.

Lab Fee.

**FTVS 518 Analysis of Video Games**

*3 semester hours*

An examination of the history, development, aesthetics, and power of video games, including their relationship to other media texts, including movies and television. Screenings, lectures, and discussions.

Lab fee.

**FTVS 598 Special Studies**

*1 TO 4 semester hours*

**FTVS 599 Independent Studies**

*0 TO 3 semester hours*

**FTVS 610 Film/TV Topical Seminar**

*3 semester hours*

Seminar in current issues in cinema and television; focus changes per offering.

Lab fee.

**FTVS 611 Seminar in Film Genre**

*3 semester hours*

Advanced study in a film genre. Screenings, film, and lectures.

Lab fee.

**FTVS 612 Seminar in Film Authors**

*3 semester hours*

Advanced study of films of specific filmmakers. Screenings, lectures, and discussions.

Lab fee.

**FTVS 613 Seminar in National Film**

*3 semester hours*

Advanced study of films of a specific nationality. Screenings, lectures, and discussion.

Lab fee.

**FTVS 614 Seminar in Television and Video**

*3 semester hours*

Topical seminar focusing on critical analysis of topical media genres. Screenings, lectures, and discussions.

Lab fee.

**FTVS 698 Special Studies**

*1 TO 3 semester hours*

**FTVS 699 Independent Studies**

*0 TO 3 semester hours*

**Geography (GEOG)**

**GEOG 1000 Human Geography**

*4 semester hours*

An introduction to general world patterns of major cultural elements and processes and their influence on relationships between human societies and their environment. Cultural and environmental differences between developed and less developed nations and their regional implications in the modern world are emphasized.

**GEOG 1998 Special Studies**

*1 TO 4 semester hours*

**GEOG 1999 Independent Studies**

*1 TO 4 semester hours*

**GEOG 2000 World Geography**

*4 semester hours*

An introduction to the world's major geographic realms with an analysis of their cultural, demographic, and political characteristics; their varying levels of economic development and global integration; and their diverse physical settings, especially as they relate to an understanding of contemporary global issues and environmental problems.

**GEOG 2998 Special Studies**

*1 TO 4 semester hours*

**GEOG 2999 Independent Studies**

*1 TO 4 semester hours*

**GEOG 3010 Metropolitan Los Angeles**

*4 semester hours*

(See URBN 3010.)

**GEOG 3060 Modern Mexico**

*4 semester hours*

A survey of the distinctive social, cultural, economic, and political elements of modern Mexico. The environmental and historical basis of the country's recent development is examined.

**GEOG 3998 Special Studies**

*1 TO 4 semester hours*

**GEOG 3999 Independent Studies**

*1 TO 4 semester hours*

**GEOG 4998 Special Studies**

*1 TO 4 semester hours*

**GEOG 4999 Independent Studies**

*1 TO 4 semester hours*

**German (GRMN)**

**GRMN 1998 Special Studies**

*1 TO 4 semester hours*

**GRMN 1999 Independent Studies**

*1 TO 4 semester hours*

**GRMN 2101 German 1**

*4 semester hours*

A course intended for students with little or no prior knowledge of German. Based on the communicative approach, the course emphasizes oral proficiency in basic German as well as reading and writing. The following topics are covered: an introduction to the nominative and accusative cases with their corresponding articles and pronouns, regular and irregular verbs in the present and present

perfect tense, word order, basic vocabulary, and the development of cross-cultural awareness.

### **GRMN 2102 German 2**

*4 semester hours*

A continuation of GRMN 2101. Apart from the continued emphasis on oral competence, cross-cultural awareness, as well as reading and writing, new grammar topics are covered including an introduction to the dative case with its corresponding articles and pronouns, prepositions carrying the accusative and/or dative case, the past tense, relative clauses, adjective endings, and subjunctive and passive voice.

Prerequisite: GRMN 2101 or by LMU Placement Exam.

### **GRMN 2103 German 3**

*4 semester hours*

The first part of an intermediate course designed to review elementary grammar, and to develop further oral competence, with a strong emphasis on cultural competence, reading, and writing. Texts that emphasize culture provide the springboard for the promotion of vocabulary acquisition, comprehension, and the active use of oral and written German.

Prerequisite: GRMN 2102 or by LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

### **GRMN 2104 German 4**

*4 semester hours*

The second part of an intermediate course designed to review elementary grammar, and to develop further oral competence, with a stronger emphasis on cultural competence, reading, and writing. Texts that emphasize culture provide the springboard for the promotion of vocabulary acquisition, comprehension, and the active use of oral and written German.

Prerequisite: GRMN 2103 or by LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

### **GRMN 2603 Conversational German 3**

*1 TO 3 semester hours*

A course designed to promote oral and aural proficiency and practical competence in intermediate German.

Prerequisite: GRMN 2103 or concurrent enrollment or by LMU Placement Exam.

### **GRMN 2998 Special Studies**

*1 TO 4 semester hours*

### **GRMN 2999 Independent Studies**

*1 TO 4 semester hours*

### **GRMN 3105 Mastery of German**

*4 semester hours*

A finishing course emphasizing oral proficiency, as well as more advanced grammar aspects, reading, and writing.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

University Core fulfilled: Flags: Oral Skills, Writing.

### **GRMN 3230 German Culture and Civilization**

*4 semester hours*

A survey of key aspects of German history, society, politics, and arts from the time of the Germanic tribes more than 2,000 years ago to present-day Germany.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 3231 The Germans: Great Moments Past and Present**

*4 semester hours*

A seminar on decisive moments in German history from 800 to 2007 having to do with particular historical events, persons, inventions, discoveries, and more.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 3340 German Cinema**

*4 semester hours*

A seminar on the historical development of German cinema from German Expressionism to the present.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 3520 Survey of German Literature: From Beginning to Present**

*4 semester hours*

An introduction to German literature from its beginning to the 20th century by means of representative texts in all genres.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 3716 Business German**

*4 semester hours*

An advanced German course introducing the specialized language of everyday business dealings.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 3998 Special Studies**

*1 TO 4 semester hours*

### **GRMN 3999 Independent Studies**

*1 TO 4 semester hours*

### **GRMN 4551 German Drama**

*4 semester hours*

An introduction to representative German plays since the 19th century. It includes classics from Büchner to Brecht and beyond.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 4552 German Folklore**

*4 semester hours*

An introduction to the fairy tales of the Brothers Grimm and the multi-faceted fairy tale research.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 4553 The German Novella**

*4 semester hours*

A close reading of representative German novellas since the 19th century. It primarily covers novellas in the Romantic and Realist tradition.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 4760 Internship Portfolio**

*1 semester hour*

Professional German language skills are demonstrated by means of a portfolio which is compiled based on an internship in LMU's New Europe Program in Bonn, Germany.

Prerequisite: GRMN 2104 or by LMU Placement Exam.

### **GRMN 4998 Special Studies**

*1 TO 4 semester hours*

### **GRMN 4999 Independent Studies**

*1 TO 4 semester hours*

## **Health and Human Sciences (HHSC)**

### **HHSC 150 Human Anatomy and Physiology**

*3 semester hours*

The development, structure, and function of the human body with emphasis on integration and homeostasis.

Lecture, 3 hours.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

**HHSC 155 Human Anatomy and Physiology I**

*3 semester hours*

Comprehensive coverage of anatomy and physiology designed to meet graduate prerequisites for the pre-health professions students. Topics include cell biology; histology; integumentary, skeletal, muscular, and nervous systems.

Lecture, 3 hours.

Majors only.

Corequisite: HHSC 156.

**HHSC 156 Human Anatomy and Physiology I Lab**

*1 semester hour*

Companion lab course to HHSC 155.

Laboratory, 4 hours.

Corequisite: HHSC 155.

**HHSC 160 Principles of Athletic Training**

*3 semester hours*

Provides knowledge in prevention, care and treatment practices relating to activities and the physical conditioning of the physically active. Serves as an introduction to pathology, signs and symptoms recognition, and management procedures of common injuries.

Lecture, 3 hours.

**HHSC 170 Personal Health**

*3 semester hours*

This course will introduce students to the basics of human health, including physical and psychological well-being, spiritual health, environmental health, nutrition, and exercise. Other health topics will be included. An activity component is required.

Lecture, 3 hours.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

**HHSC 190 Medical Terminology and Seminar**

*3 semester hours*

Introduction to medical terminology. Exploration of areas of study and career opportunities within health careers.

HHSC majors only.

Lecture and online, 3 hours.

**HHSC 230 Nutrition**

*3 semester hours*

The study of nutrients and their functions, recommended nutrient intakes, and dietary adequacy while focusing on how to apply this knowledge personally. Emphasis on nutritional roles in health status and chronic disease. Exploration of how behavior change plays a role in nutrition and a healthy lifestyle.

Lecture, 3 hours.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics; Flag: Information Literacy.

**HHSC 255 Human Anatomy and Physiology II**

*3 semester hours*

Comprehensive coverage of anatomy and physiology designed to meet graduate prerequisites for the pre-health professions students. Topics include endocrine, blood, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems. The course promotes comprehensive understanding of the structure and function of the human body with an emphasis on organ system integration and homeostasis.

Lecture, 3 hours.

Majors only.

Prerequisite: HHSC 155.

Corequisite: HHSC 256.

**HHSC 256 Human Anatomy and Physiology II Lab**

*1 semester hour*

Companion lab course to HHSC 255. Comprehensive coverage of anatomy and physiology designed to meet graduate prerequisites for the pre-health professions students. Topics include endocrine, blood, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems. Laboratory instruction includes prepared tissue slides, life-sized organ and organ system models, and dissection of preserved specimens. Introductory experiences are included towards the acquisition and interpretation of personal physiological data including blood pressure, spirometry, blood typing, hematocrit, and electrocardiography. Students will also complete a comprehensive class presentation on a physiological process in completing University Core flag requirements for oral skills.

Laboratory, 4 hours.

Prerequisite: HHSC 156.

Corequisite: HHSC 255.

University Core fulfilled: Flag: Oral Skills.

**HHSC 278 Science, Nutrition, and Health**

*3 semester hours*

The study of nutrients and their functions, recommended nutrient intakes, and dietary adequacy while focusing on how to apply this knowledge personally. Emphasis on nutritional roles in health status and chronic disease. Exploration of how behavior change plays a role in nutrition and a healthy lifestyle.

Non-HHSC majors only.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics; Flag: Information Literacy.

**HHSC 301 Athletic Training Practicum I**

*1 semester hour*

Supervised experience in an athletic training environment. Additional study required with an emphasis on taping/bracing and athletic injury management. The affiliated clinical rotation occurs in the LMU Athletic Training Room.

Formal acceptance in the ATEP required.

Prerequisite: HHSC 160.

**HHSC 302 Athletic Training Practicum II**

*2 semester hours*

Supervised experience in an athletic training environment. Additional study required with an emphasis on upper extremity evaluation. The affiliated clinical rotation occurs at any of the following sites: LMU, local high school, or junior college athletic training facility.

Formal acceptance into the ATEP required.

Prerequisites: HHSC 301 and HHSC 361.

**HHSC 303 Athletic Training Practicum III**

*2 semester hours*

Supervised experience in an athletic training environment. Additional study required, with an emphasis on lower extremity evaluation. The affiliated clinical rotation occurs at any of the following sites: LMU, local high school, or junior college athletic training facility.

Formal acceptance into the ATEP required.

Prerequisites: HHSC 302 and HHSC 361.

**HHSC 304 Athletic Training Practicum IV**

*2 semester hours*

Supervised experience in an athletic training environment. Additional study required, with an emphasis on therapeutic modalities. The affiliated clinical rotation occurs at a local physical therapy clinic.

Formal acceptance into the ATEP required.

Prerequisites: HHSC 303 and HHSC 460.

**HHSC 310 Test and Measurements**

*3 semester hours*

Study of measurement techniques and instruments, descriptive and

inferential statistics and evaluation procedures in human performance. Assessment of cognitive, physical, and motor domains through test construction, administration, and interpretation are the central content areas of the course. An original research proposal including statistical design is required.  
Lecture, 3 hours.

### **HHSC 311 Test and Measurement Lab**

*1 semester hour*

### **HHSC 320 Obesity and Behavior**

*3 semester hours*

This course will examine how body composition, endocrinology, genetics, neuroscience, and inflammation contribute to the development of obesity-related chronic disease. Special emphasis on the burden of chronic disease in medically underserved communities, as well as disparities in nutritional options and opportunities for physical activity. This course will integrate disease prevention and health promotion to foster culturally and environmentally appropriate application of theory in public health.  
Prerequisites: BIOL 101; HHSC 230 or HHSC 278.

### **HHSC 321 Obesity and Behavior Lab**

*1 semester hour*

Companion lab course to HHSC 320. Laboratory and fieldwork experiences to provide training in characterizing the burden of obesity-related diseases within a target population. Special emphasis on body composition and biomarkers.  
Corequisite: HHSC 320.

### **HHSC 322 Public Health**

*3 semester hours*

This course will emphasize the role of built, social, and political environments as determinants of public health in geographic communities and among communities of workers. Provides an overview of population dynamics (growth/decline, distribution, fertility, morbidity, migration, maternal and child health). Includes occupational and community-level assessment of medical risks, pollution, sanitation, disability, injury, and death. Will also address primary occupational hazards and the potential for direct and indirect impact on the health of surrounding communities.

### **HHSC 330 Medical Nutrition Therapy**

*3 semester hours*

This course requires application of nutritional principles for use in preventing or treating various pathological conditions. Common dysfunction of the cardiovascular, respiratory, renal, gastrointestinal, endocrine systems and more will be covered in relationship to dietary prevention and intervention using the Nutrition Care Process.  
Lecture, 3 hours.

Prerequisites: HHSC 255, HHSC 256, and HHSC 230 or HHSC 278.

### **HHSC 331 Medical Nutrition Therapy Laboratory**

*1 semester hour*

Methods of nutritional assessment will be learned while utilizing the Nutrition Care Process for developing diagnoses. Students will conduct biochemical tests commonly used by dietitians to evaluate nutritional status. This course requires hands-on application of nutritional principles for use in preventing or treating various medical conditions. Pathologies of the cardiovascular, hematological, endocrine systems and more will be covered in relationship to dietary assessment and status.

Prerequisites: HHSC 255, HHSC 256, and HHSC 230 or HHSC 278.  
Corequisite: HHSC 330.

### **HHSC 334 Sports Medicine Teaching Workshop**

*3 semester hours*

The course focuses on taking the knowledge that students have

gained in their major and implementing it in a community-based learning setting at Westchester Enriched Sciences Magnet High School.

### **HHSC 335 Global Nutrition**

*3 semester hours*

Nutritional science will be covered in relation to global perspectives, culture, religion, and environmental issues. Physiological explanation to under nutrition and strategies to overcome them will be examined. Nutrition-related chronic diseases in various nations will be investigated. Discussion will include the influence of culture and religion on dietary practices and nutrient intake. Study will include topics of world hunger, food safety, genetically modified foods, and organic/sustainable farming practices. The agricultural approach to farming and its influence on the environment, our food supply, and ultimately our health will be studied.

Prerequisite: HHSC 230 or HHSC 278.

Corequisite: HHSC 336.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

Majors only.

### **HHSC 336 Nutrition Service Learning Lab**

*1 semester hour*

Advanced analysis of nutritional science topics including food safety, accessibility to healthy food, diet analysis, and food quality, especially in its relationship to health and chronic disease. Matters of hunger and poverty will be discussed in this community-based learning course which requires organized service, guided reflection, and critical analysis.

Corequisite: HHSC 335.

### **HHSC 342 Peer Health Education**

*3 semester hours*

This course is designed to challenge and expand the students' beliefs and perceptions about health and wellness through active discussion and exercises in introspection. Students will receive current information on the most pressing and relevant issues related to the college population including general wellness, public health issues (current and future), nutrition/exercise, sexual health and identity, body image/eating disorders, stress management, sexual assault, and substance abuse (alcohol and drugs). Students will research and present on a health related topic to enhance their presentation and communication skills.

Lecture, 3 hours.

### **HHSC 344 Global and Community Health**

*3 semester hours*

This course will address all different kinds of health issues in the local community and around the globe. Global and Community Health will address issues on LMU's campus, in Los Angeles, in the United States, and in other regions of the world. These aspects of health include physical, intellectual, social, spiritual, and emotional. The primary topics will be health promotion, disease prevention, health systems, consumer health issues, communicable diseases, and chronic health problems. Each of these issues will be addressed from the perspective of each of the communities previously stated. Critical thinking will be a major component of this course, and ethical and environmental considerations will also be addressed. The topics will be timely and applicable to current health concerns around the globe. There will also be a focus on health promotion and how best to address the health concerns in the variety of communities discussed.

### **HHSC 350 Exercise for Special Populations**

*3 semester hours*

This course is designed for the future allied health professionals who would like to further their knowledge in the area of appropriate

physical activity management for individuals with disabilities and chronic diseases. The course will cover, but is not limited to, the following topics: ADA and CA public school law, disability etiquette, etiology, epidemiology and pathophysiology of various chronic diseases and disabilities, role of physical activity in lives of persons with disabilities/chronic diseases. The course will include a community based learning component.

### **HHSC 360 Upper Extremity Evaluation**

*3 semester hours*

In-depth instruction on anatomy and functional abilities of the upper extremity. Emphasis on the assessment techniques for recognizing and evaluating athletic-related injuries. Additional concentration on the cervical region and postural issues of the spine will be addressed.

Lecture, 3 hours.

Prerequisites: HHSC 255 and HHSC 256 or concurrent enrollment.

### **HHSC 361 Lower Extremity Evaluation**

*3 semester hours*

In-depth instruction on anatomy and functional abilities of the lower extremity. Emphasis on the assessment techniques for recognizing and evaluating athletic-related injuries. Additional concentration on the thoracic, lumbar, and sacral regions of the spine and gait analysis will be addressed.

Lecture, 3 hours.

Prerequisites: HHSC 255 and HHSC 256 or concurrent enrollment; HHSC 360.

### **HHSC 375 Science Principles of Strength and Conditioning**

*3 semester hours*

Scientific Principles of Strength and Conditioning is intended to introduce the science and physiology behind strength training and conditioning. Oftentimes the strength and conditioning issues are misunderstood due to common popular myths. Sound scientific principles will be used to dispel such ideas. A variety of strength training and conditioning topics will be covered in order to prepare a student who is interested in becoming a Certified Strength and Conditioning Specialist (CSCS) or a Certified Personal Trainer (CPT) through the National Strength and Conditioning Association (NSCA).

Lecture, 3 hours.

Prerequisites: HHSC 255 and HHSC 256.

### **HHSC 376 Strength Physiology Assessment Laboratory**

*1 semester hour*

This course is meant to provide students with experiences in exercise technique, assessment, and instruction methodology. Students will gain the requisite applied skills and experiences necessary to become recognized by the National Strength and Conditioning Association (NSCA) as a Certified Strength and Conditioning Specialist (CSCS).

Corequisite: HHSC 375.

### **HHSC 380 Kinesiology**

*3 semester hours*

Study of the human body in motion. Topics include the application of principles of mechanics to anatomical systems; neuromuscular basis of movement; analysis of skills used in exercise science and by the physically active.

Lecture, 3 hours.

Prerequisites: HHSC 255 and HHSC 256.

### **HHSC 381 Kinesiology Lab**

*1 semester hour*

Study of the human body in motion. Topics include the application of principles of mechanics to anatomical systems; neuromuscular basis

of movement; analysis of skills used in exercise science and by the physically active.

Prerequisites: HHSC 255 and HHSC 256.

Corequisite: HHSC 380.

### **HHSC 385 Motor Development**

*3 semester hours*

A study of motor, physical, and neuromuscular development from prenatal periods to mature age.

Lecture, 3 hours.

### **HHSC 398 Special Studies**

*1 TO 4 semester hours*

### **HHSC 401 Athletic Training Internship I**

*2 semester hours*

Supervised experience in an athletic training environment. Additional study required, with an emphasis on therapeutic rehabilitation. The affiliated clinical rotation occurs at any of the following sites: LMU, local high school, college, or junior college athletic training facility. Formal acceptance into the ATEP required.

Prerequisites: HHSC 304 and HHSC 461.

### **HHSC 402 Athletic Training Internship II**

*2 semester hours*

Supervised experience in an athletic training environment. Additional study required, with an emphasis on pharmacology and general medical conditions. The affiliated clinical rotation occurs at any of the following sites: LMU, local high school, or junior college athletic training facility.

Formal acceptance into the ATEP required.

Prerequisite: HHSC 401.

### **HHSC 403 Senior Seminar in Athletic Training**

*1 semester hour*

Preparation for the National Athletic Trainers' Association Board of Certification Exam. Attention will be focused on a review of the NATA Athletic Training Educational Competencies. Pharmacological issues as they pertain to athletic performance will be addressed.

Prerequisite: HHSC 401.

Corequisite: HHSC 402.

### **HHSC 412 Administration in Sports Medicine**

*3 semester hours*

Addresses organization and administration of athletic training programs both in athletic training rooms and clinical sites. Areas such as building a facility, legal issues, staffing, budgeting, insurance, computer use, record keeping, emergency care planning, and public relations will be discussed.

Lecture, 3 hours.

### **HHSC 413 Medical Bioethics**

*3 semester hours*

Bioethics is a field of study directed to the interdisciplinary ethical analysis of the moral dimensions of health professional practice; this includes an analysis of moral character and vision, judgment, decision making, clinical practices, health policies, etc. Toward this end, the goals of this course are: 1) to introduce the wide range of ethical issues in health care; 2) to familiarize students with the bioethical literature that addresses these issues; 3) to develop the basic skills of analysis, interpretation, moral communication, and argument used in bioethics, especially as it affects nurses and physicians, functioning separately and jointly, and 4) to facilitate the application of those habits of thought that integrate bioethics into the intellectual and moral life of physicians and nurses.

Lecture, 3 hours.

### **HHSC 420 Chronic Disease and Injury Epidemiology**

3 semester hours

Epidemiology is the study of health, illness, and associated factors as the population level. Overview of the history of the discipline, association and causality, and exploration of cross-sectional and case-control research will be completed in order to understand the epidemiological basis for preventative medicine. Emphasis on study design, data and specimen collection, and data analysis.

Lecture, 3 Hours

Prerequisite: MATH 204.

Corequisite: HHSC 421.

### **HHSC 421 Chronic Disease and Injury Epidemiology Lab**

1 semester hour

Companion lab course to HHSC 420. This course will provide computer-based instruction in how to manage and analyze epidemiological and public health data.

### **HHSC 430 Advanced Nutrition**

3 semester hours

Chemical and physiological studies of carbohydrate, protein, and lipid metabolism. Application to the normal nutrition of human beings with special focus on optimal health, disease prevention, and athletic performance. Special focus on commonly problematic vitamin and minerals and critical analysis of current "hot topics" in nutrition media and research. Evaluation and interpretation of nutritional research methodology of recent peer-reviewed publications.

Prerequisite: HHSC 230 or HHSC 278.

University Core fulfilled: Flag: Writing.

### **HHSC 434 Pathology**

3 semester hours

This course is intended to introduce students to general medical topics and skills that relate to areas of study, including athletic training, physical therapy, occupational therapy, and other healthcare professions. Topics covered in this course will include clinical decision-making, major diseases of the body systems and differential diagnosis. Medical management will also be discussed for the various conditions and illnesses, allowing for athletic trainers/healthcare providers to gain awareness into their role into the treatment/management of the systemic disease and recognize how the treatment may impact participation in physical activity.

Lecture, 3 hours.

Prerequisites: HHSC 255 and HHSC 256.

### **HHSC 440 Medical Microbiology**

3 semester hours

An overview of the biology of microorganisms, including protists, fungi, bacteria, and viruses with special emphasis on the ecology and features of disease-causing microorganisms; control of microorganism and antibiotics; development and function of the Immune System; Vaccination, Autoimmune diseases, and Hypersensitivities; principals of infectious disease and epidemiology; the pathogenesis and clinical features of a number of infectious diseases, including emerging, re-emerging, tropical and common infectious diseases will be covered.

Lecture, 3 hours.

Prerequisite of BIOL 201.

Corequisite: HHSC 441.

### **HHSC 441 Medical Microbiology Laboratory**

1 semester hour

Basic techniques for the handling and culture of bacteria; sterile technique, sample collection, and isolation of bacteria; staining and microscopy, characterization and identification of unknown bacteria; quantification of bacteria and evaluation of antimicrobial agents; diagnostic testing.

Corequisite: HHSC 440.

### **HHSC 460 Therapeutic Modalities in Sports Medicine**

3 semester hours

Provides information regarding the physics and physiological effects of athletic training modalities. Gain understanding of the inflammatory process and pain management in relation to athletic injuries. Includes the physiological reactions, contraindications, and indications to such modalities as heat, cold, electricity, ultrasound, water, and massage. Instruction on proper use and application of specific modalities.

Lecture, 3 hours.

Prerequisites: HHSC 255 and HHSC 256.

Corequisite: HHSC 466.

### **HHSC 461 Therapeutic Rehabilitation in Sports Medicine**

3 semester hours

Instruction on how to design, implement, and supervise rehabilitation programs for sports-related injuries and conditions. Theoretical and clinical bases for the use of therapeutic exercises, basic biomechanics, indications, contraindications, and proper application of exercises in therapeutic rehabilitation.

Lecture, 3 hours.

Prerequisites: HHSC 255, HHSC 256, and HHSC 360.

### **HHSC 466 Therapeutic Modalities in Sports Medicine Lab**

1 semester hour

This is the laboratory component to accompany HHSC 460 Therapeutic Modalities in Sports Medicine. This class will focus on the practical aspect of modalities. These modalities include: heat and cold, ultrasound, electrotherapy, laser, and compression, among others.

Corequisite: HHSC 460.

### **HHSC 475 Exercise Physiology**

3 semester hours

In-depth exploration of the acute and chronic changes to physiology that occur with exercise. Focus on the cardiovascular, respiratory, muscular, and endocrinology systems including the study of metabolism and fuel sources.

Lecture, 3 hours.

Prerequisites: HHSC 255 and HHSC 256.

Corequisite: HHSC 476.

### **HHSC 476 Exercise Physiology Lab**

1 semester hour

Measurement of the physiological mechanisms responsible for adaptations to acute and chronic exercise. Develop fitness assessment techniques and their applications to health and exercise performance. Gain hands-on experience with equipment/instrumentation.

Laboratory, 3 hours.

Corequisite: HHSC 475.

University Core fulfilled: Flag: Writing.

### **HHSC 480 Biomechanics**

3 semester hours

An analytical approach to the mechanics of human motion. Kinetics and kinematics of human movement as it pertains to bone, joint cartilage, and connective tissue will be discussed. Consideration towards the forces at major points of the human body and their relations to musculoskeletal injuries.

Lecture, 3 hours.

Prerequisite: HHSC 155.

### **HHSC 481 Biomechanics Laboratory**

1 semester hour

This course will apply and measure mechanical concepts in relation to the human body and human movement. Topics in this course include kinematic and kinetic concepts, linear and angular motion,

and applying Newton's Laws to human movement. In particular, the course draws from principles of anatomy, physiology, and mechanics to measure the variables of human movement.

Laboratory, 1 hour.

Majors only.

Corequisite: HHSC 480.

### **HHSC 485 Motor Learning**

*3 semester hours*

A study of factors involved in the learning and performance of motor skills.

Lecture, 3 hours.

### **HHSC 490 Health and Human Sciences Teaching**

*0 TO 1 semester hour*

Guided teaching of undergraduate laboratories.

May be repeated for credit.

Consent of instructor required.

Credit/No Credit grading.

### **HHSC 495 Allied Health Internship**

*1 semester hour*

Clinical, hands-on, and/or observational experience for 60 hours in an allied health setting such as: hospital, clinic, or health facility.

Guided instruction on professional development and graduate school preparation. Prior approval from instructor is required.

University Core fulfilled: Flag: Engaged Learning.

### **HHSC 497 Allied Health Internship II**

*1 TO 5 semester hours*

Clinical, hands-on, and/or observational experience for 60 hours per semester hour of academic credit in an allied health setting such as: hospital, clinic, or health facility. Prior approval from instructor is required. This course taken for Credit/No Credit only.

Prerequisite: HHSC 495 or concurrent enrollment.

### **HHSC 498 Special Studies**

*1 TO 4 semester hours*

### **HHSC 499 Independent Studies**

*1 TO 4 semester hours*

## **History (HIST)**

### **HIST 1010 Premodern World History**

*4 semester hours*

A course in global history from roughly 3500/3000 BCE to the "age of exploration" in the fifteenth century, focusing on dynamics of cultural contact in the ancient and medieval periods.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1050 Modern World History**

*4 semester hours*

A course in global history from the "age of exploration" in the fifteenth century to the present, with a variety of encounters and exchanges, which transformed the cultures and societies of all those involved.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1060 Modern Global Environmental History**

*4 semester hours*

A course in global history with a particular focus on environmental history, exploring how humans, animals, natural forces, and science and technology have shaped the environment; the ways in which historical developments such as migration, empire, trade, industrialization, and urbanization have affected humans'

relationships with nature; and how the environment has affected historical developments.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1110 Founders of the West**

*4 semester hours*

Examines the origins of Mediterranean societies and cultures, exploring shared contacts and links, from the end of the Bronze Age to the end of Antiquity, 1000 BC-AD 600.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1120 Heirs of Rome: Europe, Byzantium, and Islam in the Early Middle Ages**

*4 semester hours*

Considers the emergence of three distinct civilizations—the West, Byzantium, and Islam—out of the Roman Empire; their expansion, divergence, and mutual interactions in the Early Middle Ages; and their clash in the Crusades of the twelfth and thirteenth century.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1130 Crisis and Expansion: Europe and the World, 1200-1648**

*4 semester hours*

This lower division Core course will survey the major developments in European history over four pivotal centuries. From the Black Death and other crises that wracked Europe during the later Middle Ages, this course will move into the early modern period, examining movements of religious reform, religious wars, and European overseas expansion.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1200 European Empires, Exploration, and Exchange since 1500**

*4 semester hours*

A study of the ways in which Europeans interacted with the rest of the world, in terms of exploration, trade, exchange, and imperialism. Students will study the development of overseas empires from the early Portuguese and Spanish exploration of Africa, and Americas, and the Indian Ocean to the late-19th-century "Scramble for Africa" and the establishment of global dominance in the years before the world wars of the 20th century.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1201 Power, Privilege, and Agency in Modern Europe**

*4 semester hours*

A study of the political, social, economic, intellectual, and cultural developments in Europe from 1500 to the present, by looking at the related dynamics of power, privilege, agency, and experience. Students will use selected case studies about power, privilege, and agency as a means to interrogate how various categories of difference came to define power relations in both local and global encounters.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1202 The Individual, the State, and Civil Society in Modern Europe**

*4 semester hours*

A study of the history of Europe from the Renaissance to the present in terms of the changing ways in which European cultures have defined a good society and imagined the possibilities for individual action in the world.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1203 Religion, Society, and the Search for Meaning in Modern Europe**

*4 semester hours*

A study of the history of Europe in a global context and in terms of the impact of the changing religious belief, practice, and institutional structures in the period from 1500 to the present. Students will consider religion as a social practice and historical artifact.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1204 Revolutions in the Making of Modern Europe**

*4 semester hours*

This course uses the notion of "revolution" as a prism through which to examine the political, economic, social, and cultural transformations in "the West" since 1500. Special emphasis will be on the question of change and continuity, as a means to examine "turning points" in European history.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1300 Becoming America**

*4 semester hours*

This course is an introductory survey of American history from the pre-Columbian period to the eve of the Civil War. It focuses on the interaction of Europeans, Native Americans, and Africans from first contact to circa 1850, focusing on the experiences of individuals and groups and examines their relationships to the broader structures of American society.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1301 America and the Atlantic World 1450-1850**

*4 semester hours*

The trans-Atlantic world of Europe, Africa, and the Americas as a single unit of study in the wake of the voyages of Columbus, including the North American colonies and early United States, the slave trade and plantation complex, the Columbian exchange, revolutions, and abolition.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1302 Becoming African American**

*4 semester hours*

This course examines African American history from its origins in the slave trade to the emancipation of slaves in the U.S. in the nineteenth century, including the role of economics in slavery, comparisons of U.S. chattel slavery with other slave societies, the roots of African American culture in slave societies, the contribution of abolitionism to international discussions of human rights, and the contribution of slavery to ideas about and the legacy of race in the U.S.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1400 The United States and the World**

*4 semester hours*

This course serves as an introductory survey of United States history from the nineteenth century to the present. It focuses on the experiences of groups and individuals and their relationships to the broader structures of United States society by examining changes to American society over time, exploring their causes, and analyzing their consequences within a transnational context.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1401 The United States and the Pacific World**

*4 semester hours*

This class surveys the ways in which U.S. interchanges with Asia and the Pacific Islands have transformed cultural, political, ideological, and socioeconomic developments on both sides of the Pacific from the earliest contact to the twenty-first century within global and comparative frameworks.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1402 African Americans in the World since Slavery**

*4 semester hours*

This course examines the historical relationship between African Americans and the African Diaspora. Topics include African American perspectives on slavery and equality and African Americans' interactions with world motions of race, emancipation, imperialism, legal and human rights, and post-modernity.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1500 State, Society, and the Citizen in the Modern Middle East**

*4 semester hours*

This course explores the history of the Middle East from 1453 to the present through an examination of the evolving relationship between the state and the subject/citizen and the question of identity.

University Core fulfilled: Explorations: Historical Analysis and Perspective.

### **HIST 1510 Minorities and Women in the Modern Middle East**

*4 semester hours*

This course explores the history of the Middle East from 1453 to the present through an examination of the twin impact of Islam and the West on the lives of minorities (ethnic and religious) as well as the status of women.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1520 The Social Lives of Commodities in the Modern Middle East**

*4 semester hours*

This course explores the history of the Middle East from 1453 to the present by focusing on a number of commodities (such as tulips, silk, and oil) to chart regional and global socio-economic and cultural connections as well as change over time.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1600 African States and Societies since 1800**

*4 semester hours*

This course addresses the political, social, and cultural history of Africa since 1800. Among the questions it explores are changing systems of governance, shifting borders and identities, and dynamics of colonialism, the diversity of African societies and cultures, and their resilience in the face of historical changes.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1700 Early Latin America**

*4 semester hours*

An introduction to indigenous, African, and Iberian backgrounds. Examines colonial societies through social, economic, and political institutions with attention to the contributions of Indians, Africans, and Europeans to the creation of Latin America's diverse societies.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **HIST 1750 Modern Latin America**

#### *4 semester hours*

Surveys the nations of Latin America from their independence until the present. Emphasizes the process of nation-building, governance, socioeconomic integration, and coping with modernization.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

#### **HIST 1800 Modern Asia: China, Japan, and Korea since 1600**

##### *4 semester hours*

This course introduces the history of East Asia from 1600 to the present. It explores the political, socio-economic, and cultural history of China, Japan, and Korea and focuses on empire-building, economic expansion, nationalism, socialism, decolonization, and popular culture.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

#### **HIST 1900 Science, Nature, and Society in the West**

##### *4 semester hours*

This course examines the history of the West, defined as European and North American societies and cultures, through the lens of science and nature from the sixteenth century to the present, tracing the history of ideas about science and nature in relation to broader social, economic, and political changes and demonstrating the inseparability of science and social context.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

#### **HIST 1998 Special Studies**

##### *1 TO 4 semester hours*

#### **HIST 1999 Independent Studies**

##### *1 TO 4 semester hours*

#### **HIST 2000 What Is History?**

##### *4 semester hours*

An introduction to history as an intellectual discipline, focusing on the study and writing of history, including historiography and historical methods. Organized around the study of a particular historical issue or episode, this is an intensive course on how historians approach problems.

University Core fulfilled: Flags: Information Literacy, Writing.

#### **HIST 2300 Red, White, and Black: Race in Colonial America**

##### *4 semester hours*

A social and cultural history of North America from the pre-Columbian period to the American Revolution with a focus on the roots of American race relations. The course will address the impact of competing cultures as they developed and collided during 200 years of conflict.

University Core fulfilled: Foundations: Studies in American Diversity.

#### **HIST 2400 Picturing Race and Gender**

##### *4 semester hours*

This course explores the manner in which various peoples, including African Americans, Asian Pacific Americans, Latina/o Americans, Native Americans, and white Americans, have been portrayed and, in turn, have portrayed themselves through historical time space. It uses a wide variety of cultural productions, including artworks, political cartoons, museum exhibits, television and film, photographs, and advertisements, from the nineteenth to twenty-first centuries to critically analyzing questions concerning cultural hybridity, biculturalism, evolving definitions of Americanness, the creation of gender-role expectations, inter-ethnic exchanges, and the establishment of socioeconomic conventions.

University Core fulfilled: Foundations: Studies in American Diversity.

#### **HIST 2410 Race and Ethnicity in America**

##### *4 semester hours*

This course surveys the history of race and ethnicity in the lands that became the United States from the fifteenth century to the present, focusing on three, overlapping themes: (1) the efforts by European nations and the United States to colonize the lands of North America, in part through the subjugation of particular groups such as American Indians, African Americans, and immigrants from Europe, Asia, and Latin America; (2) the ways that these groups have negotiated such oppression and claimed places within U.S. culture and society; and (3) the intersection of race and ethnicity with other categories of difference, such as gender, class, religion, and sexuality.

University Core fulfilled: Foundations: Studies in American Diversity.

#### **HIST 2420 American Indian History**

##### *4 semester hours*

This course surveys American Indian history from the fifteen century to the present, beginning with the arrival of Europeans on North American shores and ending with the various and complex issues facing Native peoples in contemporary U.S. society. It focuses on three themes: (1) the efforts by European nations and the United States to colonize the lands of North America and establish dominion over its Native populations; (2) the struggles by Indian peoples to negotiate the tremendous changes ushered in by European and American presence in North America; and (3) the ways that Native peoples have claimed places within U.S. culture and society, at the same time that they have redefined their identities as indigenous peoples in both national and international contexts.

University Core fulfilled: Foundations: Studies in American Diversity.

#### **HIST 2430 Introduction to African American History**

##### *4 semester hours*

An introductory survey of African American history beginning with African American slaves' relationship with Africa to contemporary African American issues, focusing on both the individual and group experiences of African Americans and their dialectical relationships with the other peoples of the United States and the broader world.

University Core fulfilled: Foundations: Studies in American Diversity.

#### **HIST 2900 Internship**

##### *1 TO 4 semester hours*

A course for those students who wish to earn academic credit for an unpaid internship.

#### **HIST 2998 Special Studies**

##### *1 TO 4 semester hours*

#### **HIST 2999 Independent Studies**

##### *1 TO 4 semester hours*

#### **HIST 3050 The First World War**

##### *4 semester hours*

This course explores the history of the Great War in the Middle, Western Europe, the United States, Russia, and Australia/New Zealand, with a focus on the impact of the war of society, art, and culture.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

#### **HIST 3124 Pagans and Saints: Christian Missionaries to 1650**

##### *4 semester hours*

Studies the interactions between Christian missionaries and non-Christian peoples from the Roman period to the seventeenth century. Topics include the spread of Christianity to Ireland, Germanic Europe, and the Mongols, as well as missionary encounters with China, Japan, and the New World. A principal focus

will be on the methods used by preachers to spread their message and the ways native cultures helped shape Christianity.

### **HIST 3200 European Reformations**

*4 semester hours*

This course traces the religious transformation that took place in the early modern Christian world from the Great Western Schism in the fourteenth century to the Peace of Westphalia that ended the Thirty Years War. The focus will be on (1) the Protestant reformations, (2) the Catholic reform, and (3) the process of European confessionalization leading to the wars of religion in the seventeenth century.

University Core fulfilled: Integrations: Faith and Reason.

### **HIST 3252 Crime Stories: Morality, Deviance, and Popular Culture in Modern Britain**

*4 semester hours*

This course examines the history of the 1860s, the 1930s, and the 1960s through British detective fiction. Considering how and why such radical transformation took place, students examine how fictional narratives relate to contemporary ideas about morality and deviance, helping to undermine, reimagine, or reinforce existing power structures.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **HIST 3272 Culture and Politics of Weimar Germany**

*4 semester hours*

This course explores the history of interwar Germany and the paradoxes of Weimar "modernity" from an interdisciplinary perspective, integrating an analysis of cultural developments with an analysis of political and social developments.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Oral Skills, Writing.

### **HIST 3430 Religion and U.S. Political History**

*4 semester hours*

This course surveys the history of the intersection of religion (including religious social and political life) and politics in modern America, from the post-Civil War period until the present day.

### **HIST 3452 US Environmental History**

*4 semester hours*

This course presents essential concepts, concerns, and methods of environmental history—the study of the relationships between humans and their physical environments—in the context of United States history. Topics include American Indians and the environment, European colonization and settlement, urbanization and industrialization, conservation and environmentalism, environmental racism and social justice, and contemporary environmental issues in historical perspective.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **HIST 3600 Conflict and Genocide in Africa**

*4 semester hours*

This course will cover the causes, dynamics, and consequences of conflict in Africa. It will examine some of the conflicts that have become genocidal, debate the characteristics of war that make one conflict a genocide and another a just war. The course delves into conflict analysis and resolution debates; the international humanitarian, legal, and diplomatic responses, including a reflection on the emergence of the term "genocide"; the global politics and commerce that fanned conflicts in Africa; the search for peace and stability in post-cold war Africa; and the place of Africa in the global "war on terrorism."

### **HIST 3702 Latin America: Women, Gender, and Sexuality**

*4 semester hours*

A historical exploration of the place of women and men within the

social systems of pre-Columbian, early, and modern Latin America. The course explores the gendered dimensions of the economy, politics, and culture in indigenous, Spanish, and contemporary societies.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

### **HIST 3704 Latin American Revolutions in Film**

*4 semester hours*

Film and the history of two of Latin America's most infamous revolutionary movements: The Mexican Revolution of 1910 and the Cuban Revolution of 1959. This course examines these movements in the context of 19th- through 20th-century Latin America, specifically in conversation with the region's struggles with independence, political stability, economic development, migrations, and urbanization. The course also examines the legacies of revolution in the contemporary Latin American landscape, specifically analyzing ongoing struggles with economic development, democratic stability, migrations, uprisings, and drug wars.

### **HIST 3708 Race in Latin America**

*4 semester hours*

This course examines the complicated history of race in Latin America, including how Latin Americans used race to organize society and how this social construct shaped the experiences of men and women of different ethnic and socioeconomic backgrounds. Topics include: race mixture, racial classification, and cultural hybridity; slavery and emancipation; immigration; nationalism and citizenship; and the intersections of race, gender, and class.

### **HIST 3860 Popular Culture in East Asia**

*4 semester hours*

An examination of the history of modern East Asia through the prism of its popular cultures with a focus on audio, visual, and literary representations from that region in relation to decolonization, nation-building, democracy, identity-formation, and globalization.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **HIST 3998 Special Studies**

*1 TO 4 semester hours*

### **HIST 3999 Independent Studies**

*1 TO 4 semester hours*

### **HIST 4010 Pirates and Piracy**

*4 semester hours*

The history of maritime piracy from its ancient maritime roots to present. The course will include coverage of ocean basin histories, maritime labor, society and culture, especially in the Atlantic, Indian, and Pacific Oceans, with a special focus on the "Golden Age" in the Atlantic/Caribbean during the 17th and 18th centuries.

### **HIST 4020 Mediterranean Cities**

*4 semester hours*

This course approaches the history of the medieval and early modern Mediterranean Sea (ca. 700-1700) through an examination of its cities and, to a lesser extent, its islands.

### **HIST 4101 Ancient Greece**

*4 semester hours*

Explores the origins of the Greeks from Homeric times to the death of Philip of Macedon. Topics include the developments of political forms, including democracy, and most notably, drama and philosophy against the background of war and conflict.

### **HIST 4102 Alexander and the Hellenistic World**

#### *4 semester hours*

Examines the career and impact of Alexander the Great, particularly as seen in the expansion of Greek culture across the Mediterranean world and to the East as far as India. Topics include the Hellenization on non-Greeks, Jews, and Romans in particular, and the further development of philosophy and learning.

#### **HIST 4105 Ancient Rome**

##### *4 semester hours*

Studies the origins of the city of Rome with the Etruscans and its transformation into that of Romans, and how the Romans expanded through Italy and conquered the Mediterranean world, ca. 800 BC-AD 44. Topics include the issue of Romanization, political development, the idea of empire, and the assimilation of Greek culture.

#### **HIST 4106 Imperial Rome**

##### *4 semester hours*

Explores the world of Imperial Rome from Britain to Mesopotamia, from the reign of Augustus to the end of classical antiquity, ca. 27 BC-AD 600. Topics include Romanization and the imperial system, the origins, survival, and victory of Christianity, and Rome's struggles with Persians and Germans.

#### **HIST 4120 History of the Byzantine Empire**

##### *4 semester hours*

A study of the eastern Roman Empire to its fall in 1453. Topics include the Byzantine recovery, the Slavic and Moslem invasions, and the Crusades.

#### **HIST 4122 The Rise of Medieval Europe**

##### *4 semester hours*

Traces the emergence of a coherent European civilization from the collapse of Roman power in the fifth century to the rise of new forms of Latin Christian unity in the eighth through eleventh centuries.

#### **HIST 4126 Medieval Spain: Land of Three Faiths**

##### *4 semester hours*

This upper division course will cover eight centuries of Spanish history, from the founding of Muslim al-Andalus (711 CE) to the Christian conquest of Granada (1492 CE). A dominant theme of this course will be the shifting dynamics of power and interconfessional relations of Spain's Jewish, Muslim, and Christian inhabitants.

#### **HIST 4132 The Viking World**

##### *4 semester hours*

Explores Viking society from the late eighth to the early eleventh century, including the reasons for the Scandinavian invasions of early-medieval Europe, the course and consequences of Viking activity in the British Isles and France, the wider settlement of the Norse from Russian to Greenland and North America, and the Christianization of the Viking world.

#### **HIST 4134 The Crusades**

##### *4 semester hours*

A study of the Crusades (ca. 1050 to 1300), including the roots of Christian and Islamic ideas of Holy War, the preaching and conduct of the Crusades, the creation and fall of the Crusader States, interfaith relations in the time of the Crusades, the use of Holy War in Spain and the Baltic, and the long-term significance of the Crusades.

#### **HIST 4142 The Transformation of Medieval Europe**

##### *4 semester hours*

Examines the fragmentation of the medieval forms of European unity from the twelfth through sixteenth centuries. Topics include political and social change, questions of authority, and religious strife.

#### **HIST 4200 Early Modern Europe**

##### *4 semester hours*

A study of the political, intellectual, social, economic, and cultural developments in Europe from the Renaissance through the Enlightenment.

#### **HIST 4205 Europe in the Long Nineteenth Century**

##### *4 semester hours*

A study of the political, social, economic, intellectual, and cultural developments in Europe during the "long nineteenth century," from the French Revolution to the Great War.

University Core fulfilled: Flags: Information Literacy, Writing.

#### **HIST 4206 20th-Century Europe**

##### *4 semester hours*

A study of the political, social, economic, intellectual, and cultural developments in Europe from the Great War through the end of the twentieth century.

#### **HIST 4215 European Imperialism**

##### *4 semester hours*

A study of the "new imperialism" in Africa and Asia in the nineteenth and twentieth centuries, including the origins and dynamics of European imperialism, the structures of colonial rule, the effects on the colonized and their responses, and decolonization.

University Core fulfilled: Flags: Information Literacy, Writing.

#### **HIST 4225 Gender in European History**

##### *4 semester hours*

A study of European history using gender as the primary category of analysis. The course examines how ideas about gender, the roles that men and women play in society, and notions about femininity and masculinity have structured European societies and the effects of that gendering.

#### **HIST 4230 The City in European History**

##### *4 semester hours*

From the Renaissance city-state to burgeoning industrial cities of the nineteenth century to socialist urban agglomerations of the twentieth century, this course explores the political, economic, and social fabric of European cities.

#### **HIST 4250 Modern Britain and the British Empire**

##### *4 semester hours*

A study of how Britain became the world's first industrial nation, came to rule over a quarter of the world's population, became a democracy, lost an empire, and joined the European Union.

#### **HIST 4251 Victorians to Moderns**

##### *4 semester hours*

Covers the enormous changes in society and technology, art and science, gender and religion from Victoria's reign through the First World War and the Great Depression in Britain and the British Empire.

#### **HIST 4255 Modern Ireland**

##### *4 semester hours*

Covers key events of Ireland's struggle for independence, incorporating debates about the uses of history and memory, the formation of national identity, and the politics of nostalgia.

#### **HIST 4260 The French Revolution**

##### *4 semester hours*

An inquiry into the causes of the fall of the French monarchy, the creation of a civic order, a new political culture, and the impact of war and terror on French society.

#### **HIST 4271 Modern Germany**

*4 semester hours*

A study of the history of Germany from the establishment of the German nation-state to the present, including the two world wars, the Weimar Republic, Nazism and the Holocaust, the two Germanies of the Cold War period, and German unification.

**HIST 4272 20th-Century Eastern Europe**

*4 semester hours*

A study of the political, social, economic, and cultural developments in the states between Germany and Russia from the collapse of the Habsburg, German, and Ottoman Empires after World War I to the Balkan Wars at the end of the twentieth century.

**HIST 4273 Nazi Germany**

*4 semester hours*

An examination of the history of Nazi Germany, including the National Socialism as an ideology, the Nazi seizure of power, the power structures of the Third Reich, German society and culture under Nazism, and the Holocaust.

University Core fulfilled: Flags: Engaged Learning, Information Literacy.

**HIST 4280 The Rise of Russia, 900-1825**

*4 semester hours*

A study of the origins of the Russian Empire from the arrival of the Vikings to the emergence of Russia as a Great Power. Topics include autocracy, serfdom, religious revolts, imperial expansion, and competitive emulation of the West.

**HIST 4281 Modern Russia, 1825-1991**

*4 semester hours*

Traces the revolutionary challenges to the Romanov dynasty, attempts to modernize the multi-national empire, the revolution and civil war, and the interplay between communism and nationalism in the history of the Soviet Union.

University Core fulfilled: Flag: Writing.

**HIST 4282 Ethnicity and Empire in Russia**

*4 semester hours*

During the Cold War, scholars overlooked the ethnic diversity of the Soviet Union and focused simply on the Russians. This course takes the experience of multiple ethnic groups—Ukrainians, Jews, Tatars—into consideration and examines the history of Russia as the history of a multi-ethnic state.

**HIST 4290 Modern Greece**

*4 semester hours*

An examination of the crises and challenges that have shaped modern Greek society, the transformations that have taken place, and the culture and literature it produced.

**HIST 4300 Colonial America**

*4 semester hours*

A study of the origin and growth of the English colonies from 1607 with a focus on the development of colonial economic, social, and intellectual life.

**HIST 4301 Revolutionary America**

*4 semester hours*

An examination of the origins, course, and results of the American Revolution.

**HIST 4302 Jacksonian America**

*4 semester hours*

A study of the United States during the first half of the nineteenth century, focusing on the social, cultural, economic, and political developments of the era.

**HIST 4303 The Civil War**

*4 semester hours*

A history of the Civil War era that covers the causes, fighting, and consequences of the war.

**HIST 4304 Nineteenth-Century America**

*4 semester hours*

A social and cultural history of nineteenth-century America. Covers such topics as industrialization, urbanization, religion, literature, westward migration, immigration, class formation, gender, and race.

**HIST 4305 Victorian America**

*4 semester hours*

An examination of American culture and society in the second half of the nineteenth century, focusing on such diverse topics as family, sexuality, popular culture, urbanization, immigration, class conflict, race relations, and America's place in the world.

**HIST 4400 Rise of Modern America**

*4 semester hours*

An examination of American culture and society in the early twentieth century, focusing on such topics as race, class, gender, consumerism, reform movements, and America's place in the world.

**HIST 4401 Recent America**

*4 semester hours*

The course examines U.S. history from the New Deal to the present and focuses on the dialectical relationship between the United States and the world. Themes include U.S. involvement in international economic, military, and ideological conflicts; the study of various modern racial, gender, and economic social movements; national political debates; and post-WWII consumer and popular cultures.

**HIST 4402 The Politics and Culture of the Cold War, 1917-1989**

*4 semester hours*

Beginning with the Russian Revolution of 1917 and ending with the fall of the Berlin Wall in 1989, the class will use a wide variety of sources to analyze the impact of the Cold War on American domestic policies and foreign relations, as well as cultural and social developments.

**HIST 4403 Consensus and Conflict: America in the 1950s and 1960s**

*4 semester hours*

This class focuses on two pivotal decades in twentieth-century American history by addressing topics such as changing gender and racial identities, the Counterculture, the Civil Rights Movement, and international politics.

**HIST 4410 History of Los Angeles**

*4 semester hours*

The history of Greater Los Angeles from the eighteenth century to the present, focusing on migration, economic development, race and ethnic relations, and the city's relationship to the rest of the world.

**HIST 4411 The American West**

*4 semester hours*

The history of the American West from the seventeenth century to the present, focusing on settlement, Native American experience, economic development, environment, and the West in popular culture.

University Core fulfilled: Flag: Writing.

**HIST 4412 History of California**

*4 semester hours*

The history of California from the eighteenth century to the present,

focusing on migration, economic development, race and ethnic relations, and the relationship of the state to the rest of the world. University Core fulfilled: Flag: Writing.

**HIST 4423 Asians in America: From the "Yellow Peril" to the "Model Minority"**

*4 semester hours*

This class traces the many-faceted histories of Asian Americans and Pacific Islanders from cross-cultural and transnational perspectives, beginning with the earliest immigration to the present era.

**HIST 4425 Chicana/o History**

*4 semester hours*

(See CLST 3360.)

**HIST 4427 Immigrant America**

*4 semester hours*

The history of immigration to the United States from the colonial period to the present, focusing on immigrant experiences, transnational ties, immigration law, and citizenship, as well as the ways that race, class gender, religion, and sexuality shaped Immigrant America.

**HIST 4430 Women in American History**

*4 semester hours*

An exploration of women's experience in American history from the colonial period to the present, with emphasis on such variables as class, race/ethnicity, and region, as well as the impact of changing gender roles on American society, culture, and politics.

**HIST 4431 History of Childhood and the Family**

*4 semester hours*

A history of childhood and the family from the colonial era to the present. Examines the diverse experiences of children and families in North America, with special attention to gender, race, class, and regional issues. Also explores how notions of childhood and the family changed over time.

**HIST 4432 American Reform Movements**

*4 semester hours*

An examination of the major movements for reform of American society, with emphasis on abolitionism, Women's Rights, Progressivism, and Civil Rights.

**HIST 4433 Health and Disease in American Culture**

*4 semester hours*

The history of health, disease, and medicine in the American social and cultural context, from the colonial period to the present. University Core fulfilled: Flag: Information Literacy.

**HIST 4440 Imagining Asian Pacific America**

*4 semester hours*

Using interdisciplinary approaches and cross-cultural perspectives, the class explores the ways in which certain Asian Americans and Pacific Islanders have been portrayed and, in turn, have portrayed themselves throughout historical time and space.

**HIST 4441 Hollywood and History**

*4 semester hours*

An examination of the motion picture industry and the relationship of films to United States society from the early twentieth century to the present. University Core fulfilled: Integrations: Interdisciplinary Connections.

**HIST 4451 The History of Food in America**

*4 semester hours*

Using interdisciplinary methodologies, this upper-division course will explore the ways in which food has the power to both shape and

reflect cultural, socioeconomic, religious, and political realities within a transnational context.

**HIST 4453 The Invention of Communities**

*4 semester hours*

This class examines a multitude of socioeconomic, political, ideological, and cultural conditions that have caused the formation as well as the disintegration of communal bonds in 19th- and 20th-century United States.

**HIST 4460 20th Century U.S. Sports History**

*4 semester hours*

The course examines the development and history of spectator sport in the twentieth-century United States. Topics for examination include sports and American social, gender, national, and racial identities; the evolution of leisure and consumer culture in the U.S.; and U.S. participation in international sports.

**HIST 4510 Star, Cross, and Crescent**

*4 semester hours*

This course examines the status of Jews and Christians in the Middle East from the rise of Islam to the present, focusing on the local as well as international factors that affected their status over time. The course also considers the history of other marginalized groups such as slave-soldiers, gypsies, and eunuchs.

**HIST 4520 The Ottoman Empire**

*4 semester hours*

This course examines the history of the Ottoman Empire from the 13th century to the end of WWI. It focuses on Ottoman political, legal, and social institutions and practices as they evolved over time.

**HIST 4540 The Palestine/Israel Conflict**

*4 semester hours*

This course examines the history of the Palestine/Israel conflict from its beginnings in the late 19th century to the present.

**HIST 4600 African Kingdoms**

*4 semester hours*

A study of significant kingdoms of Black Africa exploring the major themes of the period.

**HIST 4610 A Quest for the Nile's Source**

*4 semester hours*

A study of the quest for the source of the Nile River and the interaction of African, European, and Asian peoples in the area.

**HIST 4620 South Africa**

*4 semester hours*

The history of South Africa during the last two centuries with emphasis on political rivalries, apartheid, and economic development.

**HIST 4640 Colonial Africa, 1860-1980**

*4 semester hours*

A study of the inception and development of European rule over various parts of Africa by European imperialists of the 19th and 20th centuries, leading to an examination of the processes by which African countries gained their independence in the second half of the 20th century.

**HIST 4700 Early Mexico**

*4 semester hours*

The major social, political, and economic trends and events in Mexico from the Independence movement to the present. The course examines mass movements; leadership; popular culture; globalization; violence, gender, and drugs; and the political and cultural impact of changing domestic and international policies.

University Core fulfilled: Flags: Information Literacy, Writing.

### **HIST 4800 Asian Empires**

*4 semester hours*

An examination of the Qing Empire (1644-1911) and the Japanese Empire (1910-1945). Paying close attention to the process of empire-building and imperial administration, the course will evaluate the impact of these empires in East Asia, especially in relation to notions of resistance, cooptation, and cooperation.

### **HIST 4810 Imperial China**

*4 semester hours*

This course explores the origins of Chinese civilization and culture and the growth of the Chinese Imperial state from earliest times to the early 19th century to the present.

### **HIST 4820 Modern China**

*4 semester hours*

This is a course on modern Chinese history from the mid-nineteenth century to the present. Major themes examined are the collapse of the traditional Chinese world order, the failure of the republican revolution of 1911, the birth of Chinese nationalism, Mao Zedong's Chinese communism, and Deng Xiaoping's strategy for modernization.

### **HIST 4830 Women in East Asian History**

*4 semester hours*

An exploration of the ways in which specific institutional arrangements, political settlements, and economic changes informed the organization of family and lineages, inheritance practices, work, and thus shaped the lives of women.

### **HIST 4840 Modern Japan**

*4 semester hours*

This course examines the history of Japanese experiences on modernity, focusing on the diversity, unevenness, and conflicts that are often elided by assertions of Japanese homogeneity.

### **HIST 4900 Internship**

*1 TO 4 semester hours*

A course for those students who wish to earn academic credit for an unpaid internship.

### **HIST 4910 Topics in Public History**

*4 semester hours*

This course introduces students to the issues and practice of public history, which is dedicated to addressing and engaging the broader public in issues of history, memory, commemoration, and identity. Public history refers to all of those aspects of historical work that engage the public with the past, offering interpretation, inviting active consideration, and communicating the importance of history to current ideas, practices, identities, and debates. Such public venues include museums, historical sites, archives, government agencies, popular media, and now the broad spectrum of historical exhibition online.

University Core fulfilled: Flags: Engaged Learning, Information Literacy.

### **HIST 4998 Special Studies**

*1 TO 4 semester hours*

### **HIST 4999 Independent Studies**

*1 TO 4 semester hours*

### **HIST 5000 Seminar in World History**

*4 semester hours*

A seminar on a topic in world history, in which students will explore

the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5100 Seminar in Ancient History**

*4 semester hours*

A seminar on a topic in ancient history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5110 Seminar in Medieval History**

*4 semester hours*

A seminar on a topic in medieval European history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5115 Seminar in Early-Modern European History**

*4 semester hours*

A seminar on a topic in medieval European history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5200 Seminar in Modern European History**

*4 semester hours*

A seminar on a topic in modern European history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5400 Seminar in American History**

*4 semester hours*

A seminar on a topic in American history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5500 Seminar in Middle Eastern History**

*4 semester hours*

A seminar on a topic in Middle Eastern history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5600 Seminar in African History**

*4 semester hours*

A seminar on a topic in African history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5700 Seminar in Latin American History**

*4 semester hours*

A seminar on a topic in Latin American history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5800 Seminar in Asian History**

*4 semester hours*

A seminar on a topic in Asian history, in which students will explore the historical literature around a given topic and then produce a work of original research.

University Core fulfilled: Flags: Oral Skills, Writing.

### **HIST 5850 Seminar: Achilles in Vietnam**

#### 4 semester hours

A comparative study of the impact of war on the societies of ancient Greece, modern America, and Vietnam. Topics include the psychology and biology of violence, the shaping of literature and culture by violence, and the human toll of war.  
University Core fulfilled: Flags: Oral Skills, Writing.

#### **HIST 5900 Senior Thesis**

##### 4 semester hours

A course for students who wish to pursue an intensive research project under faculty direction, culminating in a thesis based on primary source research.

#### **Humanities (HMNT)**

#### **HMNT 1998 Special Studies**

##### 1 TO 4 semester hours

#### **HMNT 1999 Independent Studies**

##### 1 TO 4 semester hours

#### **HMNT 2998 Special Studies**

##### 1 TO 4 semester hours

#### **HMNT 2999 Independent Studies**

##### 1 TO 4 semester hours

#### **HMNT 3998 Special Studies**

##### 1 TO 4 semester hours

#### **HMNT 3999 Independent Studies**

##### 1 TO 4 semester hours

#### **HMNT 4991 Nineteenth-Century Global Travelers**

##### 4 semester hours

Exploring colonial expansion during the nineteenth century, this course examines the impact imperial endeavors had on literary and visual production. We'll look at how encounters with other peoples and nations shaped British identity and indigenous populations within the contact zone. In addition to engaging with postcolonial theories, this course is also interested in how new technologies, such as lithography and photography, rendered distant people and worlds legible to British subjects; how guidebooks helped form the new identity of the tourist; and how women played a role within Britain's expanding empire. During the semester, we'll not only read and interpret novels, poems, travel writing, photography, and early films but also investigate the culture of world fairs (exhibitions that brought "exotic" spaces to the metropole), national museums, and the emergent field of ethnography. While the course will explore nineteenth-century visual cultures, its focus will be on British literature from Coleridge's "Kubla Khan" and Flora Tristan's *Peregrinations of a Pariah* to Dickens's *Little Dorritt* and Gilbert and Sullivan's *The Mikado*.

Junior or senior standing, or consent of instructor required.

#### **HMNT 4993 Literature, Photography, and the Uncanny**

##### 4 semester hours

This course explores the intimate connection between writing and photography, looking at the ways in which writers mobilize photography in different literary forms from the short story to detective fiction. If today we understand the photograph as a privileged source of evidence, our selection of texts challenges the comfortable maxim that "seeing is believing." Pairing texts on photographic practice and theories of photography such as Henry Fox Talbot's *The Pencil of Nature* with fiction that draws on the emergent technology of photography such as George Eliot's *The Lifted Veil*, we'll investigate how literature borrows from the language of photography in complex ways—not simply as a shorthand for

presenting the "real" but as a means of questioning representation and documentation itself. Through historical and theoretical approaches to photography and fiction, we'll focus on texts from the 1830s to 1930s, examining different methods of approaching the word-image divide. We'll also look at twenty-first century deployments of photography in the book, concentrating on W.G. Sebald's *The Rings of Saturn*. What do these hybrid books tell us about writing and photography?

Junior or senior standing, or consent of instructor required.

#### **HMNT 4997 Capstone Project**

##### 2 semester hours

The capstone project consists of a seminar leading to the production of a portfolio that enables students to integrate and reflect on the insights achieved through their interdisciplinary coursework and to demonstrate that they have met the objectives of the Humanities curriculum.

Credit/No Credit grading.

Senior standing required.

#### **HMNT 4998 Special Studies**

##### 1 TO 4 semester hours

#### **HMNT 4999 Independent Studies**

##### 1 TO 4 semester hours

#### **Honors (HNRS)**

#### **HNRS 1000 Honors Colloquium: Introduction to Honors**

##### 1 semester hour

An orientation to the pursuit of academic excellence at LMU and to the opportunities and expectations students will encounter in the University Honors Program.

#### **HNRS 1100 Honors Philosophical Inquiry**

##### 3 OR 4 semester hours

An introduction to the various modes of philosophical inquiry and to the great philosophical questions that are central to a humanistic education in the Catholic intellectual tradition, taught in small, seminar-style course sections.

#### **HNRS 1110 On Human Dignity**

##### 3 OR 4 semester hours

An examination of what it means to be human as reflected in and fashioned by significant philosophical works, both classical and contemporary.

#### **HNRS 1200 Honors Theological Inquiry**

##### 3 OR 4 semester hours

A historical, literary, and social exploration of theological images of creation and the divine.

#### **HNRS 1810 On the Sublime**

##### 3 OR 4 semester hours

A First-Year Honors seminar that presents students to the "Great Ideas" and the overarching themes of the intellectual tradition.

#### **HNRS 1998 Special Studies**

##### 1 TO 4 semester hours

#### **HNRS 1999 Independent Studies**

##### 1 TO 4 semester hours

#### **HNRS 2000 Honors Colloquium: Research and Exhibition**

##### 1 semester hour

An orientation to the practice of research (and creative activity), including the formulation by the student of a problem worthy of in-depth study and the public exhibition of the student's work.

**HNRS 2100 Honors Historical Analysis and Perspectives**

3 OR 4 semester hours

An exploration of both the unfamiliar past and the processes by which the world of the present was created, taught in smaller, seminar-style course sections.

**HNRS 2110 Republic to Prince**

3 OR 4 semester hours

A study of history and the construction of civilizations from the ancient to early modern periods.

**HNRS 2120 Age of Leviathan**

3 OR 4 semester hours

A historical presentation of the major concepts, ideologies, and movements that have dominated the path to contemporary globalization.

**HNRS 2200 Honors Nature of Science, Technology, and Mathematics**

3 OR 4 semester hours

An exploration of the methods of inquiry used in science, engineering, and/or mathematics, taught in smaller, seminar-style course sections.

**HNRS 2210 On Motion and Mechanics**

3 OR 4 semester hours

An experiential course employing scientific, mathematical, and engineering methods to study the world around us and solve technical problems.

**HNRS 2220 On the Nature of Things**

3 OR 4 semester hours

An examination of the history, philosophy, and nature of scientific discovery, theory, and practice.

**HNRS 2300 Honors Literary Analysis**

3 OR 4 semester hours

An exploration of the study of multiple literary forms such as poetry, plays, fiction, literary non-fiction, and films, introducing students to the formal and technical features of literary texts as well as their connections to historical, social, philosophical, theological, and scientific issues, taught in smaller, seminar-style course sections.

**HNRS 2998 Special Studies**

1 TO 4 semester hours

**HNRS 2999 Independent Studies**

1 TO 4 semester hours

**HNRS 3000 Honors Colloquium: Post-Baccalaureate Success**

1 semester hour

An orientation to the opportunities that await students beyond LMU (including national and international scholarship, service, and career opportunities) and preparation for pursuing them effectively.

**HNRS 3100 Honors Ethics and Justice**

3 OR 4 semester hours

An investigation of major philosophical, theological, and spiritual traditions of ethics and their application to concrete contexts of practice and choice, taught in smaller, seminar-style course sections.

**HNRS 3110 Beyond Good and Evil**

3 OR 4 semester hours

An exploration of moral problems through the study of ethics, considering select issues in social justice, science and technology, business and society, medicine and bioethics, or media and responsibility.

**HNRS 3998 Special Studies**

1 TO 4 semester hours

**HNRS 3999 Independent Studies**

1 TO 4 semester hours

**HNRS 4000 Honors Colloquium: Portfolio**

0 semester hours

Completion of a portfolio demonstrating satisfactory fulfillment of the requirements for University Honors, including the submission of the final Honors undergraduate thesis or capstone project and documented attempt at disseminating this work at the Undergraduate Research Symposium or an external disciplinary conference.

Credit/No Credit grading.

**HNRS 4100 Honors Thesis**

3 TO 4 semester hours

The preparation, research, and publication of the Honors Thesis. Required of any Honors student not pursuing a thesis/capstone/senior project in their major.

**HNRS 4998 Special Studies**

1 TO 4 semester hours

**HNRS 4999 Independent Studies**

0 TO 4 semester hours

**Interdisciplinary Applied Programs (IDAP)****IDAP 101 Introduction to Media Production**

3 semester hours

**IDAP 198 Special Studies**

1 TO 3 semester hours

**IDAP 199 Independent Studies**

1 TO 3 semester hours

**IDAP 201 Intermediate Media Production**

3 semester hours

**IDAP 298 Special Studies**

1 TO 3 semester hours

**IDAP 299 Independent Studies**

1 TO 3 semester hours

**IDAP 300 Principles of Public Relations**

3 semester hours

An introductory course that overviews strategies, concepts, theories, practices, and history of public relations.

**IDAP 301 Advanced Media Production**

3 semester hours

**IDAP 310 Writing for Public Relations**

3 semester hours

This course provides an overview of how effective public relations writing can help organizations to communicate, influence opinion and create change. The course will emphasize the importance of understanding an organization, its goals and objectives, target audience and culture to strategically and effectively communicate through writing.

Prerequisite: IDAP 300 with a grade of B (3.0) or higher.

**IDAP 320 Broadcast Writing**

*3 semester hours*

An introductory course to teach the basic skills of broadcast writing. Primary emphasis on television news and secondary emphasis on radio news. Techniques taught will also emphasize writing for allied fields such as public relations, advertising, and technical production.

#### **IDAP 330 Broadcast News Production**

*3 semester hours*

An introduction to news gathering, writing, and production for radio and television. Course covers the use of basic broadcast journalism tools, such as cameras, microphones, and conversational writing.

#### **IDAP 340 Video Production for Public Relations**

*3 semester hours*

An introductory course that overviews the conceptual and technical skills of video production within a public relations context. Emphasis is placed on the planning, scripting, and production processes.

#### **IDAP 350 Radio Drama Production**

*3 semester hours*

Working as an ensemble, students will write, act, direct, and produce live on tape weekly performances for broadcast on KXLU-FM.

Lab fee.

#### **IDAP 360 Workshop in Media Production**

*3 semester hours*

#### **IDAP 370 Public Relations Strategies**

*3 semester hours*

This course explores the conceptual and strategic foundations of public relations and marketing. The course examines how to effectively communicate with consumers, create preference for products, and change consumer behavior.

Prerequisite: Grade of B (3.0) or higher in IDAP 300.

#### **IDAP 380 Public Relations Internship**

*3 semester hours*

This course is for students who have secured a public relations internship with a public relations company or work in a public relations capacity in a company. Minimum of 80 hours.

#### **IDAP 390 KXLU Workshop**

*1 semester hour*

Hands-on study of radio broadcasting. The areas to be mastered are proper station operations, voice, writing, delivery, and simple production.

#### **IDAP 391 KXLU Practicum**

*1 semester hour*

A concentrated study of the management process associated with the day-to-day operation of KXLU-FM, recommended for radio station directors and others.

#### **IDAP 398 Special Studies**

*1 TO 3 semester hours*

#### **IDAP 399 Independent Studies**

*1 TO 3 semester hours*

#### **IDAP 400 Introduction to Social Media**

*3 semester hours*

This course explores the origins of social media and how it shapes our interactions with brands, people, and governments. Students will create and maintain a student blog ("The Social Lion"), which showcases their personal analysis and observations on specific media topics occurring in real-time. Students will also create a social media campaign.

#### **IDAP 401 Seminar in Media Projects**

*3 semester hours*

#### **IDAP 410 Advertising Principles and Strategies**

*3 semester hours*

This course provides students with an understanding of how to most effectively present a message regarding a product or service to an existing or potential customer. The course will examine the functions of advertising and focus on the major mediums, including broadcast, print, outdoor, direct mail, promotions, and public relations.

#### **IDAP 420 Events Management**

*3 semester hours*

This course is designed to provide students with the organizational and leadership skills needed to plan and execute a special event. Through lecture, discussion, group projects, individual assignments, guest speakers, and a final event produced by the class, students will gain experience in managing events from concept to completion.

#### **IDAP 498 Special Studies**

*1 TO 3 semester hours*

#### **IDAP 499 Independent Studies**

*1 TO 3 semester hours*

### **International Business Studies (INBA)**

#### **INBA 2898 Special Studies**

*1 TO 3 semester hours*

#### **INBA 3810 International Business**

*3 semester hours*

This course introduces students to international business environments, concepts, and practices. In order to understand complex issues related to global economy, students will learn about national and regional differences in political, economic, and socio-cultural systems. To acquire skills and knowledge necessary for managing international business operations, students will study international trade and investment theories and policies, foreign exchange mechanisms and markets, as well as global strategies in manufacturing, marketing, and human resources management. Prerequisites: ECON 105 or ECON 110 and ECON 1200 and BADM 1040, all with a letter grade of C (2.0).

#### **INBA 3851 Building Global Career Competence**

*3 semester hours*

This course combines experiential learning during study abroad with conceptual learning assignments to build critical global career competencies. The course involves relevant and challenging international consulting work experience, exposure to the working and cultural environments of an international setting, building skills for international adjustment and successful management of international assignments, networking and building potentially valuable international professional, and developing insights for future career planning within a global context. Prerequisite: MGMT 3610.

#### **INBA 4830 International Management**

*3 semester hours*

Different economic, political, and socio-cultural environments around the world challenge managers with opportunities and risks. The goal of this course is to help students achieve a general understanding of the international business environment and evaluate the agenda facing managers operating in international business contexts. Students will learn how national economies are intertwined as never before, competition is increasingly global, and firms have become international in their sales, production, investment, financing, and sourcing.

(See MGMT 4630.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, INBA 3810, MGMT 3610.

### **INBA 4840 International Entrepreneurship**

*3 semester hours*

This course focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments.

The course includes a feasibility study of an international small business venture start up, case study, and experiential learning.

(See ENTR 4340.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better and INBA 3810.

### **INBA 4850 International Business Law**

*3 semester hours*

This course provides an excellent legal foundation for the international operation of businesses. Students will address balancing the legal interests of domestic and international parties and will explore the applicable legal guidelines and case history.

(See BLAW 4250.)

Prerequisites: BLAW 2210 and INBA 3810.

### **INBA 4870 Multinationals and the Third World**

*3 semester hours*

This course examines business activity by multinationals corporations in Third World countries focusing on conventional theory and practices of multinational enterprise, user-friendly shareholder wealth maximization, multinational finance, and corporate ethics. Issues of analysis include technology transfer, institutional arrangements, entry strategy and entry options, host country bargaining power, shareholder wealth maximization, workplace protection, financing decisions, direct foreign investment, and business ethics.

(See FNCE 4470.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, FNCE 3410, INBA 3810.

### **INBA 4872 Managing a Global Workforce**

*3 semester hours*

This course helps students recognize important human resource management (IHRM) issues underlying current international and global business conditions, as well as understand key IHRM challenges and practices (e.g., cross-cultural management, managing international assignments, global talent management) relevant to effective strategic management and business development in important countries and regions of the global economy. In addition, personal competencies and international issues are examined that are relevant to students' own future careers within the global workforce.

(See MGMT 4672.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, INBA 3810, MGMT 3610.

### **INBA 4880 International Finance**

*3 semester hours*

This course introduces students to international business finance and the workings of international financial markets. The principal objective of the course is for students to develop an understanding of the basic tools of financial decision making in an international environment. Key topics of study include exchange rate determination, relationships between inflation, interest rates, and exchange rates, risk management, multinational capital budgeting, and international portfolio theory.

(See FNCE 4480.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, FNCE 3410, INBA 3810.

### **INBA 4898 Special Studies**

*1 TO 3 semester hours*

### **INBA 4899 Independent Studies**

*1 TO 3 semester hours*

Requires approval of the Associate Dean.

### **Irish Studies (IRST)**

#### **IRST 1998 Special Studies**

*1 TO 4 semester hours*

#### **IRST 1999 Independent Studies**

*1 TO 4 semester hours*

#### **IRST 2998 Special Studies**

*1 TO 4 semester hours*

#### **IRST 2999 Independent Studies**

*1 TO 4 semester hours*

#### **IRST 3300 Modern Irish Literature**

*4 semester hours*

A study of Irish literature from 1900 to World War II.

#### **IRST 3302 (Un)/Civil (W)rites: Contemporary African American, Northern Irish, and Native American Literature**

*4 semester hours*

A comparative study of three different bodies of literature produced in response to the Civil Rights Movement and its aftermath.

#### **IRST 3303 Contemporary Irish Literature**

*4 semester hours*

A study of Irish literature from the end of World War II to the present.

#### **IRST 3304 The Irish Renaissance**

*4 semester hours*

A study of the period from the 1890s through the 1920s in Ireland focusing on the effort of Irish writers and others to preserve the rich legacy of Irish culture and carry it forward into the modern age.

#### **IRST 3305 Irish Short Story**

*4 semester hours*

In this course we will examine the rich and varied achievements in the genre of the short story by a wide range of modern and contemporary Irish writers.

#### **IRST 3309 Ireland in Fiction and Film**

*4 semester hours*

An examination of the diverse images of Ireland offered by various writers and directors.

Usually taught in Dublin, Ireland.

#### **IRST 3310 Modern Ireland**

*4 semester hours*

(See HIST 4255.)

#### **IRST 3312 Modern Britain and the British Empire**

*4 semester hours*

(See HIST 4250.)

#### **IRST 3317 Victorians to Moderns**

*4 semester hours*

(See HIST 4251.)

**IRST 3330 Irish Drama**

*4 semester hours*

A study of Irish drama from Yeats to Beckett and beyond. Usually taught in Dublin, Ireland.

**IRST 3350 World Dance: Ireland**

*2 semester hours*

(See DANC 397.)

**IRST 3998 Special Studies**

*1 TO 4 semester hours*

**IRST 3999 Independent Studies**

*1 TO 4 semester hours*

**IRST 4435 Irish Cinema**

*3 semester hours*

(See FTVS 429.)

**IRST 4448 Irish Women Writers**

*4 semester hours*

(See ENGL 5548.)

**IRST 4449 The Dark Stuff: Horror in Irish Literature**

*4 semester hours*

(See ENGL 5549.)

**IRST 4998 Special Studies**

*1 TO 4 semester hours*

**IRST 4999 Independent Studies**

*1 TO 4 semester hours*

**Italian (ITAL)****ITAL 1998 Special Studies**

*1 TO 4 semester hours*

**ITAL 1999 Independent Studies**

*1 TO 4 semester hours*

**ITAL 2101 Italian 1**

*4 semester hours*

An introduction to Italian language and culture with emphasis on communicative skills, this course is designed for students who have little or no knowledge of Italian. Students will acquire the four basic language skills—listening, speaking, reading, and writing—in classes that are taught exclusively in Italian. Materials covered include an introduction to articles, pronouns, adjectives, prepositions, regular and irregular verbs in past and present tense indicative, and basic vocabulary on selected topics. Students are also introduced to the basic geography of Italy and to aspects of everyday Italian culture.

**ITAL 2102 Italian 2**

*4 semester hours*

Emphasizing communicative and linguistic skills, this course is a continuation of ITAL 2101. The principal goal of the curriculum is to develop the four basic language skills—listening, speaking, reading, and writing—in classes that are taught exclusively in Italian. New grammatical material introduced includes direct and indirect object pronouns, imperfect and future tenses, and the use of negative expressions. Students increase their vocabulary through further study of Italian culture past and present. Prerequisite: ITAL 2101 or by LMU placement exam.

**ITAL 2103 Italian 3**

*4 semester hours*

Emphasizing communicative and linguistic skills, this course is a continuation of ITAL 2102. The goal of the curriculum is to develop the four basic language skills—listening, speaking, reading, and writing—at the appropriate level of proficiency in classes that are taught exclusively in Italian. New materials covered include the subjunctive modes, hypothetical sentences, double pronouns, comparisons, and superlatives. Students familiarize themselves with additional aspects of Italian history, culture, and politics. Prerequisite: ITAL 2102 or by LMU placement exam. University Core fulfilled: Flag: Oral Skills.

**ITAL 2104 Italian 4**

*4 semester hours*

Emphasizing communicative and linguistic skills, this course reviews the material studied in ITAL 2101, ITAL 2102, and ITAL 2103. The goal of the curriculum is to develop the four basic language skills—listening, speaking, reading, and writing—at the appropriate level of proficiency in classes that are taught exclusively in Italian. Increased emphasis is placed on writing assignments, working with multimedia materials in Italian, and reading selected texts written for native speakers of Italian. Prerequisite: ITAL 2103 or by LMU placement exam. University Core fulfilled: Flag: Oral Skills.

**ITAL 2602 Conversational Italian 2**

*4 semester hours*

Prerequisite: ITAL 2102 or concurrent enrollment.

**ITAL 2603 Conversational Italian 3**

*4 semester hours*

Prerequisite: ITAL 2103 (may be taken concurrently).

**ITAL 2998 Special Studies**

*1 TO 4 semester hours*

**ITAL 2999 Independent Studies**

*1 TO 4 semester hours*

**ITAL 3250 Contemporary Italian Culture**

*4 semester hours*

An examination of the diverse forms of cultural expression in contemporary Italy, including literature, cinema, theatre, music, feminist writing, and political critique. Prerequisite: ITAL 2104 or by LMU placement exam.

**ITAL 3533 The Italian Novella**

*4 semester hours*

A survey of the short story form from the fourteenth century to the present. Prerequisite: ITAL 2104 or by LMU placement exam.

**ITAL 3534 Italian Literature of the 20th and 21st Century**

*4 semester hours*

A survey of poetry, drama, and prose from Pirandello to Calvino and beyond. Prerequisite: ITAL 2104 or by LMU placement exam.

**ITAL 3580 Italian Women Writers**

*4 semester hours*

Survey of representative works by Italian women writers from various historical periods, with particular focus on the modern and contemporary period. Prerequisite: ITAL 2104 or by LMU placement exam.

**ITAL 3821 Stylistics and Composition**

*4 semester hours*

An introduction to reading, writing, and editing texts in Italian.

Students develop skills in writing clear and correct Italian and provide critical commentary on selected topics using the techniques of formal composition.

Prerequisite: ITAL 2104 or by LMU placement exam.

**ITAL 3998 Special Studies**

*1 TO 4 semester hours*

**ITAL 3999 Independent Studies**

*1 TO 4 semester hours*

**ITAL 4351 Italian Cinema**

*4 semester hours*

An examination of the historical development of Italian cinema from Neorealism to the present. Students familiarize themselves with the history of Italian national cinema, while developing skills in the close analysis of film.

**ITAL 4998 Special Studies**

*1 TO 4 semester hours*

**ITAL 4999 Independent Studies**

*1 TO 4 semester hours*

**Japanese (JAPN)**

**JAPN 1998 Special Studies**

*1 TO 4 semester hours*

**JAPN 1999 Independent Studies**

*1 TO 4 semester hours*

**JAPN 2101 Japanese 1**

*4 semester hours*

An introduction to the fundamentals of Japanese, emphasizing listening and speaking skills. Students learn to ask and answer simple questions in the present and past tense. Introduces reading and writing of Hiragana and approximately 30 Kanji along with essentials of Japanese culture and custom.

Fall semester only.

**JAPN 2102 Japanese 2**

*4 semester hours*

A continuation of JAPN 2101. Introduction of Katakana and approximately 60 new Kanji. Useful grammatical patterns emphasizing the use of adjectives and verb conjugations. Practical patterns such as polite commands, permissions, prohibitions, and progressive forms are studied. Students continue to learn fundamentals of Japanese culture and lifestyle.

Spring semester only.

Prerequisite: JAPN 2101 or equivalent, or consent of instructor.

**JAPN 2103 Japanese 3**

*4 semester hours*

A course designed to improve oral proficiency as well as reading and writing skills in Hiragana, Katakana, and Kanji. More complex grammatical patterns such as giving advice and expressing one's desires. Approximately 60 new Kanji are introduced, and students write short essays on selected topics. Increased knowledge and understanding of Japanese culture and customs.

Fall semester only.

Prerequisite: JAPN 2102 or equivalent, or consent of instructor.

University Core fulfilled: Oral Skills.

**JAPN 2104 Japanese 4**

*4 semester hours*

A continuation of JAPN 2103. A course designed to enable students to express their ideas effectively through the use of more complex

patterns such as advanced relative clauses, giving and receiving verbs, and volitional forms. Sixty new Kanji are practiced, and students write short essays on selected topics. Increased knowledge and understanding of Japanese culture and customs.

Spring semester only.

Prerequisite: JAPN 2103 or equivalent, or consent of instructor.

University Core fulfilled: Flags: Oral Skills, Writing.

**JAPN 2998 Special Studies**

*1 TO 4 semester hours*

**JAPN 2999 Independent Studies**

*1 TO 4 semester hours*

**JAPN 3105 Japanese 5**

*4 semester hours*

This course concentrates on further perfecting the student's four communicative skills. It focuses on building more advanced vocabulary, idiomatic expressions, and grammatical patterns. Informal and formal language, especially different levels of Keigo (polite speech), along with selected topics of Japanese culture and customs, are introduced. The student learns approximately 60 Kanji and writes short essays (800 characters) on culturally intriguing topics.

Fall semester only.

Prerequisite: JAPN 2104 or equivalent, or consent of instructor.

University Core fulfilled: Flags: Oral Skills, Writing.

**JAPN 3106 Japanese 6**

*4 semester hours*

This course is designed to help students further develop fluency in speaking, reading, and writing at an advanced-intermediate level. Discussions and compositions (800 characters) are based on selected, more increasingly complex topics. The student learns passive, causative, and causative-passive sentences thoroughly along with 45 Kanji. More advanced knowledge and understanding of Japanese culture, history, art, and socio-economics.

Spring semester only.

Prerequisite: JAPN 3105 or equivalent, or consent of instructor.

University Core fulfilled: Flags: Oral Skills, Writing.

**JAPN 3998 Special Studies**

*1 TO 4 semester hours*

**JAPN 3999 Independent Studies**

*1 TO 4 semester hours*

**JAPN 4998 Special Studies**

*1 TO 4 semester hours*

**JAPN 4999 Independent Studies**

*1 TO 4 semester hours*

**Jewish Studies (JWST)**

**JWST 1000 Introduction to the Hebrew Bible**

*4 semester hours*

(See THST 1000.)

**JWST 1998 Special Studies**

*1 TO 4 semester hours*

**JWST 1999 Independent Studies**

*1 TO 4 semester hours*

**JWST 2998 Special Studies**

*1 TO 4 semester hours*

**JWST 2999 Independent Studies**

1 TO 4 semester hours

**JWST 3000 Modern Jewish History**

4 semester hours

This course is a history of the Jewish people from the 17th century to the present. Principal themes include the transformation of the traditional community, the changes in Jews' political status, the emergence of modern anti-Semitism, and ethnic and gender distinctions within Jewry.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Information Literacy.

**JWST 3349 Longing and Belonging: The Literatures of Israel**

4 semester hours

(See ENGL 3349.)

**JWST 3500 Modern Israel**

4 semester hours

This course examines the rise of Jewish nationalism, Theodore Herzl, and the rise of political Zionism. We will discuss Zionism after Herzl, the Balfour Declaration, the seeds of Arab-Jewish confrontation, Palestine in World War II, postwar Palestine, the war of independence, and the growth of the Israeli republic. Other topics include Israel's search for peace and security, economic and social growth, the Six-Day War, the Yom Kippur War, the Likud era, peace with Egypt, and Israel's involvement in Lebanon, Gaza, and its relationship with Iran. Israeli society is quite heterogeneous, and the many peoples of Israel will be examined from the perspective of nationality and ethnicity as well as from the perspective of religion, gender, and economic status.

**JWST 3510 The Zionist Idea**

4 semester hours

Students will investigate the beginning of the modern chapter of Jewish history in the granting of full citizenship to the Jews in France as a result of the Revolution of 1789, through to its contemporary political success in the 1948 creation of the state of Israel.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flags: Information Literacy, Oral Skills.

**JWST 3750 Judaism: Religion, History, and Culture (Ancient through Modern)**

4 semester hours

(See THST 3100.)

**JWST 3998 Special Studies**

1 TO 4 semester hours

**JWST 3999 Independent Studies**

1 TO 4 semester hours

**JWST 4160 Jewish Image in Film and Television**

3 semester hours

(See FTVS 416.)

Junior standing required.

**JWST 4260 Literature and Faith in the Holy Land**

4 semester hours

This course is held on-site in Israel. It examines the concept of hospitality through encounters with diverse communities and people.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

**JWST 4320 The Holocaust in American Film and Literature**

4 semester hours

This class examines the ways in which the disciplines of film and literature shape American consciousness about the European

catastrophe of the Holocaust. Key to these interpretations is the role of culture, art, and society.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**JWST 4340 Literature of the Holocaust**

4 semester hours

(See ENGL 5534.)

**JWST 4350 The History and Psychology of the Holocaust and Genocide: Perspectives on Power**

4 semester hours

Using case studies, such as the Armenian genocide, the Holocaust, and the Rwandan genocide, this class examines how historians and psychologists explain the phenomenon of genocide in the modern world.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**JWST 4360 Holocaust in Poland**

4 semester hours

This course is held on-site in Poland, and may include travel to Germany, the Czech Republic, or other locations. It may be taken more than once provided the content is considerably different each time. The focus is on the long history of Jewish life in Europe while considering as the impact of the Holocaust on the European landscape.

University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

**JWST 4370 Nazi Germany and Questions of Conscience**

4 semester hours

This course engages students in a critical consideration of the moral, religious, and theological implications of the Nazi regime.

Through study of historical and theological texts, it explores the behavior and teachings of the Christian churches, their leaders, and lay adherents, as well as Jewish responses to the challenges posed by the Nazi regime.

University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

**JWST 4375 History of Antisemitism**

4 semester hours

This course focuses on relations between Jews and non-Jews from antiquity to the present, emphasizing the intellectual, religious, political, and socio-economic roots of Jew-hatred.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**JWST 4400 Interreligious Experience and Engagement**

4 semester hours

This seminar focuses on interreligious engagement and experience, exploring the diversity of faith traditions at LMU, in Los Angeles, and throughout the nation and world, by deliberate encounters with the Other. It will challenge students to reflect on fundamental questions of faith and identify within communities. It will examine the theory and practice of interreligious engagement, including: Bilateral (e.g., Catholic-Jewish) and trilateral (e.g., Christian-Jewish-Muslim) seminars and conferences of scholars and clergy; Multi-faith religious celebrations and worship services; Joint social action and social justice programs; Conflict resolution projects; Coalitions based on shared values. The readings, discussions, and site visits will provide theoretical and theological foundations for consideration of pluralism and other inclusive approaches to our interreligious context. Readings and class discussions will educate students about the beliefs, practices, and communities of diverse religious groups. Students will develop leadership strategies to establish, sustain, and advance interreligious engagements.

University Core fulfilled: Flags: Faith and Reason, Engaged Learning.

### **JWST 4900 Capstone Project**

*4 semester hours*

This senior-level internship course is restricted to Jewish Studies minors. Students may choose a major service or research project in lieu of an internship. All students work closely with the Jewish Studies Program director.

### **JWST 4998 Special Studies**

*1 TO 4 semester hours*

### **JWST 4999 Independent Studies**

*1 TO 4 semester hours*

### **Liberal Studies (LBST)**

#### **LBST 1998 Special Studies**

*1 TO 4 semester hours*

#### **LBST 1999 Independent Studies**

*1 TO 4 semester hours*

#### **LBST 2998 Special Studies**

*1 TO 4 semester hours*

#### **LBST 2999 Independent Studies**

*1 TO 4 semester hours*

#### **LBST 3998 Special Studies**

*1 TO 4 semester hours*

#### **LBST 3999 Independent Studies**

*1 TO 4 semester hours*

#### **LBST 4900 Capstone: Education and Global Issues**

*4 semester hours*

In this course students examine global issues in the context of education and educational institutions. Students will address critical questions such as: What does it mean to be an aware and responsible local and global citizen and how can education promote such? How can education become a more powerful vehicle for promoting greater peace, justice, and equity in our world?

Throughout the course each student does in-depth research on a topic of relevance and interest and produces and presents a thesis paper at the end of the course. Theses may relate, for example, to issues such as global conflict, economic integration, governance, technology, security and privacy, biodiversity/environmental awareness/climate change, or resource management, as well as the ways in which these issues overlap and are interrelated. The focus is on how our educational institutions prepare students to understand, critically evaluate, and act on these and other complex issues both in the immediate, local context, as well as in the larger global context of an increasingly interconnected world, where disparities of many types continue to grow. Approval of Program Director required.

#### **LBST 4998 Special Studies**

*1 TO 4 semester hours*

#### **LBST 4999 Independent Studies**

*1 TO 4 semester hours*

### **Liberal Arts (LIBA)**

#### **LIBA 1001 Strategies for Graduate/Professional School Admission I**

*1 semester hour*

The aim of the course is to equip students with skills and strategies for applying to graduate and professional degree programs. The course will introduce students to strategies, co-curricular options, and scholarly activities that can strengthen their candidacy and application profiles.

ACE program only.

Offered Fall semester.

Credit/No Credit grading.

#### **LIBA 1002 Strategies for Graduate/Professional School**

##### **Admission II**

*1 semester hour*

The aim of the course is to equip students with skills and strategies to strengthen their candidacy for admission to graduate and professional school. Students will complete written assignments and exercises that will strengthen their knowledge about the graduate application process and familiarize them with resources that can aid them in the process.

ACE program only.

Offered Spring semester.

Credit/No Credit grading.

Prerequisite: LIBA 1001.

#### **LIBA 1003 Strategies for Graduate and Professional School**

##### **Admission III**

*1 semester hour*

The course is designed to help guide students through the graduate and professional school application process, including writing a personal statement, discussing potential funding sources, and how to obtain letters of recommendation.

ACE program only.

Credit/No Credit grading.

Prerequisites: LIBA 1001 and LIBA 1002.

#### **LIBA 1011 Academic Skills for Psychology I**

*1 semester hour*

Learning strategies and techniques for success in the Psychology major.

Credit/F grading.

Freshman PSYC majors only.

Offered Fall semester.

Corequisite: PSYC 1000.

#### **LIBA 1012 Academic Skills for Psychology II**

*1 semester hour*

A continuation of LIBA 1011.

Credit/F grading.

Freshman PSYC majors only.

Offered Spring semester.

Prerequisite: LIBA 1011.

#### **LIBA 1044 Academic Skills for Student Athletes**

*1 semester hour*

This course covers academic skills for a successful university experience, including time management, library research processes, note taking, reading for meaning, avoiding plagiarism, and using MS Office applications. The course is tailored for student athletes.

Credit/F grading.

#### **LIBA 1070 Orientation to Learning I**

*1 semester hour*

This course provides information on making a successful transition to college, including campus resources, study skills, academic and career planning.

Credit/F grading.

Offered Fall semester.

**LIBA 1071 Orientation to Learning II**

1 semester hour

Continuation of LIBA 1070.

Credit/F grading.

Offered Spring semester.

**LIBA 1081 Exploring Wellness I**

1 semester hour

Introduction to wellness, including physical, psychological, nutritional, financial, and environmental and the skills and campus resources that contribute to academic success.

Healthy Living Learning Community only.

Credit/F grading.

Offered Fall semester.

**LIBA 1082 Exploring Wellness II**

1 semester hour

A continuation of LIBA 1081.

Healthy Living Learning Community only.

Credit/F grading.

Offered Fall semester.

**LIBA 1998 Special Studies**

1 TO 4 semester hours

**LIBA 1999 Independent Studies**

1 TO 4 semester hours

**LIBA 2050 Strategy of Career Development**

2 semester hours

This course utilizes the popular models of career theory and traditional personality assessments to help students identify interests, skills, and values and describe how they relate to a career choice. The decision-making model is utilized to synthesize personal information and research is conducted on employment trends. By the end of the course, students will be familiarized with the job search process including resume writing, interviewing skills, and job search strategies.

Credit/No Credit grading.

**LIBA 2051 Career Development Internship**

1 semester hour

Engage in a mentoring/training type relationship with an employer in a career field of interest. Internships are established through the office of Career Development Services to aid in career decision-making, to make contacts with employers, and to evaluate employment opportunities firsthand.

This course may be repeated 3 times.

Credit/No Credit grading.

**LIBA 2091 Intercultural Practicum I**

1 semester hour

This course will teach students advanced human relations skills and provide them the occasion for integrating intercultural theory and practice in an increasingly diverse society.

Credit/No Credit grading.

**LIBA 2092 Intercultural Practicum II**

2 semester hours

This course will teach students advanced skills in cross-cultural conflict management, intercultural leadership, strategies for organizational change in multiethnic settings, institutionalizing social change, and preparing personal action plans.

Completion of LIBA 2091 and LIBA 2092 earns the Certificate for Intercultural Competence.

Credit/No Credit grading.

Prerequisite: LIBA 2091.

**LIBA 2998 Special Studies**

1 TO 4 semester hours

**LIBA 2999 Independent Studies**

1 TO 4 semester hours

**LIBA 3000 Internship**

0 semester hours

This course provides a supervised internship either on or off campus.

Credit/No Credit grading.

**LIBA 3001 SURP Seminar**

3 semester hours

Students engage in hands-on research with a designated faculty mentor on their pre-approved Summer Undergraduate Research Program (SURP) project. The SURP program includes 20 hours of research per week, participation in SURP workshops, and other SURP activities as designated each summer. This seminar is only for students participating in the Summer Undergraduate Research Program in Summer Session I.

**LIBA 3051 Career Development Internship**

1 semester hour

Engage in a mentoring/training type relationship with an employer in a career field of interest. Internships are established through the office of Career Development Services to aid in career decision-making, to make contacts with employers, and to evaluate employment opportunities firsthand.

This course may be repeated 3 times.

Credit/No Credit grading.

**LIBA 3998 Special Studies**

1 TO 4 semester hours

**LIBA 3999 Independent Studies**

1 TO 4 semester hours

**LIBA 4095 Seminar in College Teaching**

4 semester hours

Seminar for students serving as teaching assistants in undergraduate courses. Topics include college teaching techniques, problems, and ethical considerations.

Consent of instructor required.

Senior standing required.

**LIBA 4998 Special Studies**

1 TO 4 semester hours

**LIBA 4999 Independent Studies**

1 TO 4 semester hours

**Mathematics (MATH)****MATH 101 Algebra**

3 semester hours

Polynomials, rational expressions, exponents, radicals, equations in one and two variables, the quadratic formula, functions and graphs.

**MATH 102 Quantitative Skills for the Modern World**

3 semester hours

Quantitative and analytic skills used to understand personal and social issues faced in everyday life. Topics include problem solving, computer spreadsheets, probability and statistics, and the mathematics of finance.

Corequisite: MATH 103.

University Core fulfilled: Foundations: Quantitative Reasoning.

**MATH 103 Quantitative Skills for the Modern World Lab**

0 semester hours

Concurrent laboratory for MATH 102.

Corequisite: MATH 102.

**MATH 104 Elementary Statistics**

3 semester hours

Introduction to methods of inferential statistics, histograms, elementary probability, and random variables and distributions.

University Core fulfilled: Foundations: Quantitative Reasoning.

**MATH 106 Mathematics for Elementary Teachers I**

3 semester hours

Foundations of arithmetic from an advanced standpoint: sets, numeration systems, the structure of number systems, and problem solving strategies.

For Liberal Studies majors only, or by consent of instructor.

Prerequisite: MATH 101 with a minimum grade of C (2.0) or Mathematic Placement Examination.

University Core fulfilled: Foundations: Quantitative Reasoning; Explorations: Nature of Science, Technology, and Mathematics.

**MATH 111 Mathematical Analysis for Business I**

3 semester hours

Systems of equations and inequalities, exponential and logarithmic functions, math of finance, linear programming.

Prerequisite: MATH 101 or Mathematics Placement Examination.

University Core fulfilled: Foundations: Quantitative Reasoning.

**MATH 112 Mathematical Analysis for Business II**

3 semester hours

Introduction to the differential and integral calculus of elementary functions. Applications of the methods of calculus to business and economics problems. Students may not take both MATH 112 and MATH 122 for credit.

A laboratory fee may be required.

Prerequisite: MATH 120 or Mathematics Placement Examination.

University Core fulfilled: Foundations: Quantitative Reasoning; Explorations: Nature of Science, Technology, and Mathematics.

**MATH 120 Precalculus Mathematics**

3 semester hours

Functions; polynomial, rational, trigonometric, exponential, and logarithmic functions.

Prerequisite: MATH 101 or Mathematics Placement Examination.

University Core fulfilled: Foundations: Quantitative Reasoning.

**MATH 122 Calculus for the Life Sciences I**

3 semester hours

An introduction to calculus. Derivatives and integrals of the elementary functions, including computational techniques and applications. Students may not take both MATH 112 and MATH 122 for credit.

Prerequisite: MATH 120 or Mathematics Placement Examination.

University Core fulfilled: Foundations: Quantitative Reasoning; Explorations: Nature of Science, Technology, and Mathematics.

**MATH 123 Calculus for the Life Sciences II**

3 semester hours

Integration methods with applications, differential equations and modeling, introduction to multivariate calculus.

Prerequisite: MATH 122 or equivalent.

University Core fulfilled: Foundations: Quantitative Reasoning; Explorations: Nature of Science, Technology, and Mathematics.

**MATH 131 Calculus I**

4 semester hours

Limits, continuity, derivatives of algebraic and transcendental

functions, applications of the derivative, antiderivatives, introduction to the definite integral, Fundamental Theorem of Calculus.

Prerequisite: MATH 120 or Mathematics Placement Examination.

University Core fulfilled: Foundations: Quantitative Reasoning; Explorations: Nature of Science, Technology, and Mathematics.

**MATH 132 Calculus II**

4 semester hours

Techniques of integration, numerical methods of integration with error analysis, applications of the integral, improper integral, infinite series, an introduction to parametric equations and polar coordinates.

Prerequisite: MATH 131 or equivalent.

University Core fulfilled: Foundations: Quantitative Reasoning; Explorations: Nature of Science, Technology, and Mathematics.

**MATH 190 Workshop in Mathematics I**

2 semester hours

Study skills, analytical and problem solving skills, technical writing, recent fields of study and advances in mathematics, mathematical career opportunities.

**MATH 191 Workshop in Mathematics II**

2 semester hours

A continuation of MATH 190.

**MATH 198 Special Studies**

1 TO 4 semester hours

**MATH 199 Independent Studies**

1 TO 4 semester hours

**MATH 204 Applied Statistics**

3 semester hours

This course provides an introduction to statistics emphasizing data analysis and applications to life sciences. Topics include: descriptive statistics, elementary probability, various discrete and continuous distributions, confidence intervals and hypothesis tests for means and proportions, correlation and linear regression, as well as analysis of variance. This course will also include the use of computer programs to analyze data sets.

University Core fulfilled: Flag: Quantitative Reasoning.

Prerequisite: MATH 122 or MATH 131.

**MATH 207 Mathematics for Elementary Teachers II**

3 semester hours

Geometry, metric system, and introduction to probability and statistics. For Liberal Studies majors only, or by consent of instructor.

Prerequisite: MATH 106.

University Core fulfilled: Foundations: Quantitative Reasoning; Explorations: Nature of Science, Technology, and Mathematics.

**MATH 234 Calculus III**

4 semester hours

Partial derivatives, multiple integrals, three-dimensional space, vectors in two- and three- dimensional space, line integrals, Green's theorem.

Prerequisite: MATH 132 or equivalent.

University Core fulfilled: Flag: Quantitative Reasoning.

**MATH 245 Ordinary Differential Equations**

3 semester hours

Differential equations as mathematical models, analytical, qualitative, and numerical approaches to differential equations and systems of differential equations, and Laplace transform techniques.

Prerequisite: MATH 132 or equivalent.

University Core fulfilled: Flag: Quantitative Reasoning.

**MATH 248 Introduction to Methods of Proof**

3 semester hours

Number theory, sets, functions, equivalence relations, cardinality, methods of proof, induction, contradiction, contraposition. Student portfolios will be collected.

Prerequisite: MATH 132 or equivalent.

University Core fulfilled: Flag: Quantitative Reasoning.

**MATH 250 Linear Algebra**

3 semester hours

Systems of linear equations, Gauss and Gauss-Jordan elimination, matrices and matrix algebra, determinants. Linear transformations of Euclidean space. General vector spaces, linear independence, inner product spaces, orthogonality. Eigenvalues and eigenvectors, diagonalization. General linear transformations.

Prerequisite: MATH 234 or MATH 248 or consent of instructor.

University Core fulfilled: Flag: Quantitative Reasoning.

**MATH 261 Mathematics: Contributions by Women**

3 semester hours

A study of the biographies and mathematics of women mathematicians from the 1st through the 20th centuries. Topics include prime numbers, conic sections, cycloid curve, functions, sequences, series, polyhedra, and group theory.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**MATH 264 Cryptography through the Ages**

3 semester hours

A study of mathematical systems used for enciphering and deciphering information and the context in which these systems arose.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**MATH 282 Elementary Computational Methods**

3 semester hours

Computer solutions of applied mathematical problems using a procedural programming language and a computer algebra system. Nonlinear equations, differentiation, integration.

Prerequisites: MATH 245 and MATH 250 or concurrent enrollment or consent of instructor.

**MATH 293 Mathematics Teaching Field Experience**

0 semester hours

Planned observation, instruction or tutoring experiences appropriate for future secondary or middle school mathematics teachers; related professional reading and reflections.

**MATH 298 Special Studies**

1 TO 4 semester hours

**MATH 299 Independent Studies**

1 TO 4 semester hours

**MATH 301 Mathematical Ideas for Future Teachers I**

3 semester hours

A selection of topics from number theory, algebra, game theory, probability, and statistics of interest to future teachers. The emphasis is on deepening students' understanding of the methods and philosophy of mathematics. Students will actively engage in exploring mathematics through student investigations and presentations.

Prerequisites: MATH 107 and MATH 112 or MATH 120 or MATH 122 or MATH 131.

**MATH 302 Mathematical Ideas for Future Teachers II**

3 semester hours

A selection of topics from geometry and topology of interest to future teachers. The emphasis is on deepening students' understanding of the methods and philosophy of mathematics. Students will actively engage in exploring mathematics through student investigations and presentations.

Prerequisites: MATH 107 and MATH 112 or MATH 120 or MATH 122 or MATH 131.

**MATH 321 Real Variables I**

3 semester hours

The real number system, least upper bound, sequences, Cauchy sequences, functions, limits of functions, continuity, derivatives, and Riemann integration.

Prerequisite: MATH 248.

**MATH 322 Real Variables II**

3 semester hours

Infinite series, uniform convergence, power series, and improper integrals.

Prerequisite: MATH 321.

**MATH 331 Elements of Group Theory**

3 semester hours

Group theory. Binary operations, subgroups, cyclic groups, factor groups, isomorphism, homomorphism, and Cayley's theorem.

Prerequisite: MATH 248.

**MATH 332 Elements of the Theory of Rings and Fields**

3 semester hours

Rings, integral domains, fields, ideals, factor rings, polynomial rings, and unique factorization domains.

Prerequisite: MATH 331.

**MATH 350 Advanced Linear Algebra**

3 semester hours

Vector spaces over an arbitrary field, dual spaces, Cayley-Hamilton theorem, invariant subspaces, canonical forms for matrices, inner product spaces over  $\mathbb{C}$ , the spectral theorem.

Prerequisites: MATH 248 and MATH 250.

**MATH 355 Methods of Applied Mathematics**

3 semester hours

Series solutions and special functions. Orthogonal functions and Fourier series, partial differential equations and boundary value problems.

Prerequisites: MATH 234 and MATH 245.

**MATH 357 Complex Variables**

3 semester hours

Complex variables; analytic functions, Laurent expansions and residues; evaluation of real integrals by residues; integral transforms.

Prerequisite: MATH 234.

**MATH 360 Introduction to Probability and Statistics**

3 semester hours

Descriptive statistics, probability, discrete and continuous random variables, limit theorems, sampling distributions, estimations of parameters, nonparametric methods, hypothesis testing, linear regression.

Prerequisite: MATH 123 or MATH 132.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

**MATH 366 Discrete Methods**

3 semester hours

An introduction to graph theory; trees; coloring; Eulerian circuits.

Combinatorics; permutations and combinations; recurrence relations.

Prerequisite: MATH 248.

### **MATH 388 Survey of Biomathematics**

*3 semester hours*

Introduction to the application of mathematical tools and techniques in biology. Application areas range from gene regulatory networks to physiological systems to ecology and environment biology.

Mathematical methods include deterministic and probabilistic approaches to modeling dynamical systems, development, analysis, and simulation of model equations, and problems of fitting models to data.

Prerequisites: BIOL 101 and MATH 123 or MATH 132.

### **MATH 393 Mathematics Internship**

*1 TO 3 semester hours*

Internship conducted in an industrial, business, government, or educational setting involving applied mathematical work or teaching. This will involve a research project (or paper) coordinated jointly with an on-site supervisor and a Department faculty member.

Enrollment is subject to available opportunities and approval of the Department Chairperson.

### **MATH 397 Putnam Competition Preparation**

*0 TO 1 semester hour*

A study of problem-solving techniques and skills to prepare students to participate in the William Lowell Putnam Mathematical Competition, a prestigious national exam. The course may be repeated for credit. Grading is Credit/No Credit. The course may not be used to satisfy any of the requirements of the mathematics major or minor.

Consent of instructor required.

### **MATH 398 Special Studies**

*1 TO 4 semester hours*

### **MATH 399 Independent Studies**

*1 TO 4 semester hours*

### **MATH 471 Topology**

*3 semester hours*

An introduction to metric and topological spaces; continuity and homeomorphism; separation properties; connectivity and compactness; examples and applications.

Prerequisite: MATH 321.

### **MATH 473 Differential Geometry**

*3 semester hours*

Curves, parametrizations, and arc length; surfaces, differential functions, and the first fundamental form (area); the Gauss map; isometries, Gauss' Theorema Egregium, geodesics, and the Gauss-Bonnet theorem.

Prerequisites: MATH 234 and MATH 250.

### **MATH 490 History of Mathematics**

*3 semester hours*

The development of mathematics from historical and cultural viewpoints including both European and non-European roots of mathematics as well as contributions by women.

Prerequisite: MATH 248.

### **MATH 491 Senior Mathematics Seminar**

*3 semester hours*

Topics in mathematics chosen by the instructor. Written and oral presentations are required.

University Core fulfilled: Flag: Oral Skills; Writing.

### **MATH 493 Senior Seminar for Future Mathematics Educators**

*3 semester hours*

Topics in high school mathematics are examined from an advanced standpoint by developing and exploring extensions and generalizations of typical high school problems, by making explicit connections between these problems and upper division mathematics courses, and by providing historical context. Current issues in secondary mathematics education will be investigated. Written and oral presentations are required.

Senior standing or consent of instructor required.

University Core fulfilled: Flag: Oral Skills; Writing.

### **MATH 495 Mathematical Modeling**

*3 semester hours*

Introduction to various modeling techniques, design and implementation of algorithms, organization and presentation of results, introduction to problem solving using computer algebra systems. Written and oral presentations are required.

Senior standing or consent on instructor required.

University Core fulfilled: Flags: Oral Skills, Writing.

### **MATH 497 Senior Thesis**

*3 semester hours*

This course is intended to provide the student with an opportunity to complete a substantive research project under the guidance of a faculty member. The student will prepare a written report and an oral presentation on the project at the end of the semester.

Senior standing and the consent of both the Chairperson and a faculty thesis advisor required.

University Core fulfilled: Flag: Oral Skills; Writing.

### **MATH 498 Special Studies**

*1 TO 3 semester hours*

### **MATH 499 Independent Studies**

*1 TO 3 semester hours*

### **MATH 511 Mathematics and Gender Equality**

*3 semester hours*

Historical and current gender issues in mathematics examined through 1) the lives and mathematical work of women mathematicians from the 4th to the 21st centuries and 2) equity issues in K-12 mathematics education and math-related careers. Mathematical topics include prime numbers, conic sections, functions, sequences and series, polyhedra and group theory.

Prerequisites: MATH 107 and MATH 112 or MATH 120 or MATH 122 or MATH 131 or consent of instructor.

### **MATH 550 Fundamental Concepts of Geometry**

*3 semester hours*

Euclidean and non-Euclidean planar geometries, axiomatic systems, synthetic and analytic representations, relationships with algebra, and selected topics and applications.

Prerequisites: MATH 248 and MATH 250.

### **MATH 560 Advanced Topics in Probability and/or Statistics**

*3 semester hours*

Material to be covered will be determined by the instructor. Consult with the instructor for the specific topics in probability and statistics that will be covered in any given semester.

Prerequisites: MATH 234 and MATH 360.

### **MATH 561 Computational Methods in Linear Algebra**

*3 semester hours*

Numerical solutions of linear systems of equations, Gauss elimination and iterative methods, eigenvalues and eigenvectors.

Prerequisites: CMSI 185 or ENGR 160 or MATH 282, and MATH 250 or consent of instructor.

**MATH 562 Numerical Analysis**

3 semester hours

Numerical solutions of non-linear equations, interpolation, numerical differentiation, integration, and solution of differential equations.

Prerequisites: CMSI 185 or ENGR 160 or MATH 282, and MATH 245 or consent of instructor.

**MATH 590 History of Mathematics for Secondary Teachers**

3 semester hours

The development of mathematics from historical and cultural viewpoints, including both European and non-European roots of mathematics as well as contributions by women. Course content will be connected to the secondary classroom.

Prerequisite: MATH 248.

**MATH 593 Seminar for Mathematics Educators**

3 semester hours

Topics in high school mathematics are examined from an advanced standpoint by developing and exploring extensions and generalizations of typical high school problems, by making explicit connections between these problems and upper division mathematics courses, and by providing historical context. Current issues in secondary mathematics education will be investigated.

Written and oral presentations are required.

Consent of instructor required.

**MATH 598 Special Studies**

1 TO 3 semester hours

**MATH 599 Independent Studies**

1 TO 3 semester hours

**MBA Core (MBAA)****MBAA 601 The Legal and Ethical Environment of Business**

3 semester hours

The factors present in the external environments of business relative to business law and political entities that must be dealt with by business managers. Interrelated ethical considerations will be explored along with such topics as agency, contracts, business organizations, property, the court system, and business interfaces with local, state and federal governments.

**MBAA 602 Financial and Managerial Accounting**

3 semester hours

The nature, techniques, and uses of accounting from a manager's perspective. Topics include accounting methodology, corporate financial statements and disclosures, alternative accounting measurement techniques, interpreting quality of earnings, strategic planning, and operational decision making.

**MBAA 603 Business Statistics**

3 semester hours

The use of basic statistics, probability concepts, sampling distributions, hypothesis tests, correlation/regression analysis and analysis of variance for making rational business decisions under conditions of risk and uncertainty. Applications of the computer and standard software packages as management tools are used to simplify and facilitate this process.

**MBAA 604 Business Economics**

3 semester hours

Macro and micro economic theories are studied and applied to business situations to facilitate decision-making relevant to the domestic and international marketplaces.

**MBAA 605 Management and Organizational Behavior**

3 semester hours

The study of management as it relates to individual, small group and total organizational systems. Topics covered include management principles, international management, leadership, motivation, and interpersonal communication. The course also includes a focus on ethical issues and the social responsibilities of the manager in a complete global environment.

**MBAA 606 Marketing Management**

3 semester hours

This course is concerned with the role of marketing in a market economy and within modern organizations. Emphasis will be placed upon marketing concepts and activities which comprise successful marketing practices. The student will be introduced to decision-making tools in such areas as product development and positioning, pricing strategy, supply chain management, and integrated marketing communications.

Prerequisite: MBAA 604.

**MBAA 607 Operation Analysis and Decision Support Systems**

3 semester hours

A decision-making approach involving computer applications. Topics include linear programming, forecasting project management, simulation, queuing theory, and decision trees.

Prerequisite: MBAA 603.

**MBAA 608 Financial Management**

3 semester hours

An examination of methods and instruments useful to financial managers of business enterprises for making investment, dividend, and financial decisions and in managing working capital.

Prerequisites: MBAA 602, MBAA 603, and MBAA 604.

**MBAA 609 Management Information Systems**

3 semester hours

An overview of planning, analysis and design, implementation, and operation and control of information technology for business environments. Primary emphasis is placed on the role of the manager in a computer-based information system environment.

Prerequisite: MBAA 605.

**MBAA 6010 Managing People and Organizations**

3 semester hours

This course presents insight from a variety of academic disciplines, including management, psychology, sociology, and economics, to understand the processes through which people work together in organizations. Focus on topics such as leadership, motivation, decision-making, communication, organizational culture, and performance management.

**MBAA 6020 Financial and Managerial Accounting**

3 semester hours

This course surveys the basic concepts of the accounting discipline, encompassing principles, current practices, and trends, and the activities involved in understanding and interpretation of accounting systems from a manager's perspective. Emphasis is placed on developing an interface with other areas of business.

**MBAA 6030 Global Economic Structures and Systems**

1.5 semester hours

This course adopts a thematic approach to applying economic concepts to solving contemporary real-world business problems. These problems are analyzed from the perspective of an entrepreneur, a business manager, and an economic policy maker. Specific themes include understanding economic terminology, issues and methods; identifying determinants of supply and demand; understanding the economics of the firm, characterizing alternative market structures, measuring aggregate demand and

supply, and understanding the implications of various government economic policies.

**MBAA 6040 Managing Markets and Customer Relationships**  
*3 semester hours*

An applied, case-based course which covers the essential principles of marketing as a vital component of a business operation, emphasizing marketing's strategic bases and the real-world utilization of both traditional and innovative techniques to influence both the trade and the consumer in making a purchase decision. The primary foci of the course will be upon the effects of uncontrollable factors in the environment and the controllable variables essential to marketing success including market analysis, product decisions, pricing, distribution, and promotion.

**MBAA 6050 Managing Operations**  
*1.5 semester hours*

The course is an overview of modern concepts in Operations Management. Emphasis is placed on Productivity Management/Operations Strategy, Time Series Forecasting, Facility Location Strategy, Processing and Layout Strategy, Aggregate Planning Strategy, Supply-chain/Inventory Management, and Quality Management.

**MBAA 6060 Strategic Management**  
*3 semester hours*

An applied course which develops strategic thinking skills to enable managers to position the business to achieve and sustain superior competitive performance. Addresses issues of both strategy design and implementation in the complex global economic environment. The course requires students to draw upon and integrate knowledge and skills developed throughout their business education.

**MBAA 6070 Managing Financial Resources**  
*3 semester hours*

The course covers the methods and instruments useful to financial managers of business enterprises for making investment, payout, and financing decisions, and in managing working capital.

**MBAA 6080 Data, Models, and Decisions**  
*3 semester hours*

The course introduces students to the process of understanding, displaying, visualizing, and transforming data into insight in order to help managerial decision makers make better, more informed, data-driven decisions. The course provides a basic introduction to descriptive analytics, including visualization, predictive analytics, and preliminary exposure to some aspects of prescriptive analytics. The approach taken by the course is very practical and applied: hands-on learning is the central focus of the course. For each topic, a case/problem analysis will require the use of Excel and other specialized analytics and decision-making software.

**MBAA 6090 Managing Information Systems**  
*3 semester hours*

This course is designed to introduce the MBA student to key IT concepts and to enhance understanding of the issues that business executives face when developing and managing information systems. By completing the course, the student will be better equipped to make IT-related decisions, to participate in IT projects, and to knowledgeably communicate with IT experts.

**MBAA 6100 Managing International Business**  
*3 semester hours*

This course broadens MBA students' perspective and helps them develop in-depth understanding of international business theories and practices. Students will learn about complex issues in different political, legal, economic, monetary, and socio-cultural systems and how they influence business operations. Students will study the key

theories, government policies, and current trends of international traded and foreign direct investment. Students will also examine various market entry modes, strategy choices, as well as organization and management approaches. Through this course, students will acquire skills and knowledge necessary for evaluating international opportunities and challenges and for managing international expansion and operations.  
Prerequisites: First-year MBA core courses.

**Management/Organizational Behavior (MBAB)**

**MBAB 613 Performance Management**  
*3 semester hours*

Key principles, methods and techniques are presented for enhancing employee productivity through performance problem analysis, work design, coaching, training and skill development, performance appraisal system design and implementation, employee correction and discipline, interpersonal communication skills, team development and management, empowerment, and other formal and informal performance management systems. Includes Human Resource performance management issues and methods appropriate for the small and medium-sized enterprise. Critical legal aspects of performance management are also covered. Also listed as MBAE 613 and MBAH 613.  
Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 614 Advanced Communication for Managers**  
*3 semester hours*

This is a practical course focused on the sharpening of interpersonal communication skills that lead to successfully managing others. Topics will include theory and skills for strengthening one's interpersonal communication abilities, leading groups, presenting ideas, and the effective use of power in the workplace.  
Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 621 Managing in the Multicultural Workplace**  
*3 semester hours*

Drawn to areas of economic traction, the immigrant populations participate in fueling the economic growth, creating a diverse workplace with a multicultural workforce in the process. Business issues relating to these demographic realities superficially in the Los Angeles area, such as immigration and settlement patterns, workforce and market participation, and the process of assimilation will be analyzed. Intercultural communication, prejudice as a management concern, operational challenges and strategic questions will be defined and explored. Also listed as MBAE 621.  
Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 622 Management Consulting**  
*3 semester hours*

This course examines the process of consulting to management, which involves providing expert knowledge, resources, and skills to assist managerial decision-making and enhance organizational performance. This course considers various different models within the professional consulting services industry to assist students in considering possible options for future career planning. Students working in teams also gain direct experience with an actual client organization in the full cycle of a consulting project, from project formulation and engagement through implementation and evaluation. Also listed as MBAH 622.  
Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 636 Managing Organizational Change and Development**  
*3 semester hours*

This course will focus on investigation of the emerging field of Organization Development (OD), including its major theories, basic concepts, and primary intervention/change strategies. This course will focus on assessing the health/effectiveness of an organizational

system and planning an intervention/change strategy to increase the effectiveness of the organization. Also listed as MBAE 636.

Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 637 International Management of Human Resources**

*3 semester hours*

This course examines key issues and problems involved in managing human resources on a global scale. In addition to comparative analysis of traditional HRM areas such as staffing, training, performance appraisal, and compensation, special topics include expatriate preparation, repatriation, and managing an international and culturally diverse workforce. Also listed as MBAE 637 and MBAG 637.

Prerequisites: MBAA 605 or MBAA 6010; MBAA 6100.

**MBAB 640 Global Strategy**

*3 semester hours*

The formulation and implementation of business and corporate strategies for worldwide operations in the increasingly global economy, as opposed to those purely domestic firms or firms marginally involved in international activities, is examined. The most recently developed approaches and concepts are discussed and applied through the use of extensive international case studies and current readings. Also listed as MBAG 640.

Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 641 International Management**

*3 semester hours*

Differences in political, economic, and socio-cultural environments around the world challenge managers with opportunities and risks. The primary objective of the course is to help the students achieve understanding of the international business environment and evaluate the agenda facing managers operating in international business contexts. Also listed as MBAG 641.

Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 650 Environmental Strategy**

*3 semester hours*

This course sensitizes students to the broad range of environmental issues affecting business and society today. It examines how society's increasing concern for the natural environment is having a major impact on business firms as well as how business is affecting the environment. Theoretical frameworks and case studies are used. A strategic approach is emphasized.

Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 651 Ethical Issues in Business**

*3 semester hours*

This course introduces students to the two dominant philosophical traditions used in analyzing ethical issues in business: 1) evaluating the amount and type of benefits and/or harm that will result from an action, and 2) evaluating the intrinsic character of an action. After getting comfortable with the basic theory, students apply these approaches to numerous ethical dilemmas in business. In this respect, the course is about learning a new way of evaluating problems and making decisions. This course also discusses: the issue of the relationship between the moral character of our actions and the health of the human personality, and the claim that men and women may perceive and resolve ethical dilemmas differently.

Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 680 Advanced Topics in Managerial Policy and Strategy**

*3 semester hours*

Case histories are documented, reviewed, analyzed, and interpreted from the perspective of the functional specialist operating as part of the strategic management team. Concepts comprising the course will be applicable to both large and small enterprises. The student

will develop skill in identifying and focusing on the key issues which must be addressed from an overall strategic perspective.

Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 685 Power, Politics, and Negotiations in Organizations**

*3 semester hours*

A study of organizational politics and power applications within the organization. The focus is a positive practical understanding and application of power within organizations. Inter- and intra-organizational negotiation techniques are also explored from theoretical and practical standpoints. Also listed as MBAE 685.

Prerequisite: MBAA 605 or MBAA 6010.

**MBAB 698 Special Studies**

*1 TO 3 semester hours*

Prerequisite: As designated by the MBA Office.

**MBAB 699 Independent Studies**

*1 TO 3 semester hours*

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, MBAA 609.

**Marketing Management (MBAC)**

**MBAC 611 Seminar in Business and Capitalism**

*3 semester hours*

Business and Capitalism is an historical analysis of systems of economic and political thought, examined from the perspective of the practice of business. In particular, the roles of capitalism, socialism, and numerous other economic systems will be explored in detail, as well as the manners by which the parameters of business and commerce are shaped and constrained within each of these systems. Students will be encouraged to examine and refine their own values and beliefs as they relate to these systems, and to their own future careers in business. This course is also listed as MBI 611.

Prerequisite: MBAA 606 or MBAA 6040.

**MBAC 612 Strategic Marketing Analysis and Implementation**

*3 semester hours*

This course is a case-based extension of marketing management, focusing on cutting-edge issues faced by marketers. Students will enter actual organizations to develop cases based upon current concerns, and reading assignments will be drawn from the most recent articles on marketing subjects. The goal is to go beyond the textbooks to expose students to the latest marketing topics, technologies, and practices.

Prerequisite: MBAA 606 or MBAA 6040.

**MBAC 613 Consumer Behavior**

*3 semester hours*

This course is designed to refocus the student on the consumer as the object of marketing efforts. Social science concepts, drawn from such fields as psychology, sociology, anthropology, and economics, are used to examine influences on consumer choices, as well as to study the consumer decision process itself. Emphasis will be placed on how marketers use this knowledge to develop effective marketing programs.

Prerequisite: MBAA 606 or MBAA 6040.

**MBAC 614 Marketing Research**

*3 semester hours*

This course is concerned with the application of both qualitative research methodology to resolve marketing questions. Students will study the role of marketing research within the organization's planning and strategic efforts, and will be involved in the design, execution, analysis, and implementation of a comprehensive research project.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 615 Sales Force Strategy**

*3 semester hours*

The objective of this course is to gain an understanding of the role of the sales force in achieving of the firm's marketing objectives.

Material will develop an understanding of sales and sales management issues, including hiring, firing, training, motivating, compensating, and evaluating sales personnel. Therefore, students will develop decision-making skills and analytic capabilities around the development and management of both the sales function and salespeople.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 616 Customer Relationship Management Strategy**

*3 semester hours*

Customer relationship management (CRM) is an emerging business strategy paradigm that focuses on the systematic development of ongoing, collaborative customer relationships as a key source of sustainable competitive advantage. CRM represents a fundamental change in approach from traditional marketing; the goals shift from market share to share of customer. Operating under the assumption that competitive advantage is often gained through building customer equity, this course introduces the theory and practical implementation of customer relationship management strategies using marketing databases.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 620 Global Marketing Strategy**

*3 semester hours*

Concepts, principles, processes, and implications relevant to gaining competitive advantage in the global marketplace are examined.

Topics include analysis of the company environment, identification of the company's competitive strategy, assessment of segments and identifying target markets, entry and expansion into the global marketplace, development of global positioning and marketing strategies, and standardization and adaptation strategies. Also listed under MBAG 620.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 621 Pricing Strategy**

*3 semester hours*

The focus of this course is on the function of price as a driver of profit. Particular attention is given to the roles of customers, costs, and competitors as key concerns when developing pricing strategies. All aspects of pricing within the marketing and business environment are examined including theories and models of pricing strategy and common pricing techniques used in contemporary business practice. Theoretical elements from psychology, economics, accounting, and finance are addressed.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 625 Competitive Marketing Strategy**

*3 semester hours*

This course analyzes strategic marketing management functions that are common in progressive and successful companies both from a conceptual and analytical perspective, and critically examines the types of decisions that are made by these companies to develop an in-depth understanding of the elements of marketing strategy.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 630 Business Intelligence Tools and Systems**

*3 semester hours*

The course described the role and application of Business Intelligence in the context of organizational strategy, decision making, and operations. It discusses managerial decision making processes along with the scope and applications of various technical tools that can support those processes. Students taking the course

will be introduced to the concepts of Data Warehouses, Business Analytics, and Visualization tools and their roles in delivering Business Intelligence to decision makers. It also delves into the issues of data quality and integration, availability, and organization information and other challenges faced by organizations in implementing BI solutions. Students are exposed to the current industry standard BI software and a number of hands-on exercises as well as projects are used to provide the students with first-hand experience in using BI tools for decision making. Also listed as MBAD 630.

Prerequisites: MBAA 603, MBAA 606 or MBAA 6040, and MBAA 609 or MBAA 6090, and working knowledge of Excel.

### **MBAC 635 Information Technology Security**

*3 semester hours*

After 9/11 and the fall of Enron—the 7th largest corporation in America—information technology security has become one of the fastest growing areas in the business world. The need to know how to protect corporate information from attacks both from terrorists and business insiders are enormous. The main objective of this course is to provide students an exposure to the complex information security management issues in the US today. This course offers business professionals a unique blend of technical knowledge and managerial training to investigate digital threats, study corporate security needs, modeling potential risk, and explore possible strategies that management can adapt to protect valuable corporate assets. Also listed as MBAD 635 and MBAJ 635.

Prerequisites: MBAA 602 or MBAA 6020 and MBAA 609 or MBAA 6090.

### **MBAC 640 Advanced Competitive Thinking**

*3 semester hours*

Building upon the foundation in the MBA Core, this course addresses advanced concepts in the logic and process of competition in business. A number of unique models, theories, metaphors, and historical examples are utilized to gain insights regarding the processes and outcomes of competition.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 647 International Marketing**

*3 semester hours*

This course will examine marketing management and planning factors and techniques required for success in a global environment. Students will develop an appreciation for the external forces which shape the international marketer's decisions and will study strategic decision-making used by international firms as they enter and adapt to new cultures and nations. Also listed as MBAG 647.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 660 Marketing Strategy**

*3 semester hours*

Includes an emphasis on development and implementation of marketing strategy and marketing planning. This course is designed to provide the student with advanced theoretical and practical approaches of those methodologies that lead toward survival and growth in the marketing and competitive environments. Marketing strategy concepts are reviewed in detail.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 662 Product and Brand Management**

*3 semester hours*

This class addresses important decisions faced by an organization. The objectives will be to increase an understanding of the important issues in planning and to provide the appropriate theories, models, and other tools to make better branding decisions. Emphasis is placed on understanding psychological principles at the consumer level that will improve managerial decision making with respect to brands.

Prerequisites: MBAA 6040 or MBAA 6060.

### **MBAC 663 Business-to-Business Marketing**

*3 semester hours*

Although firms marketing products and services to other organizations, rather than to final consumers, account for a majority of our economy, marketing was slow to acknowledge the importance of such exchanges. This course focuses on the analysis of issues emerging when the buyer is an organization. Topics include relationship marketing, organizational buying behavior, and marketing of technology.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 664 Advertising and Promotional Strategy**

*3 semester hours*

The field of Integrated Marketing Communications (IMC) is a recognition of the need for firms to coordinate their various promotional activities and expenditures to achieve overall objectives. This course will cover advertising, public relations, sales promotions, and direct marketing theory and technique and their interrelationships. Students will develop a promotional strategy for an organization using complementary elements of each of these tools.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 680 Building an eCommerce Business in a Semester**

*3 semester hours*

Using a practitioner's approach combined with the exposure to necessary knowledge of eBusiness management, strategy, technology, and operations, this course examines how to build a successful eBusiness including a functional eBusiness website. The focus is primarily on the knowledge needed to build a consumer centric eBusiness (B2C). Also listed as MBAD 680 and MBAH 680.

Prerequisites: MBAA 606 or MBAA 6040; MBAA 609 or MBAA 6090.

### **MBAC 685 Sales Force Strategies**

*3 semester hours*

Linkages in the management of the sales function, personal selling activities, and the marketing area are examined to gain an understanding of the role of the sales force in achieving the firm's revenue objectives. Sales practices are examined through the analysis of numerous sales management issues including hiring, firing, training, motivating, compensating, and evaluating sales personnel.

Prerequisite: MBAA 606 or MBAA 6040.

### **MBAC 698 Special Studies**

*1 TO 3 semester hours*

Prerequisite: as designated by the MBA Office.

### **MBAC 699 Independent Studies**

*1 TO 3 semester hours*

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, MBAA 609.

## **Information and Decision Sciences (MBAD)**

### **MBAD 612 Management Support Systems**

*3 semester hours*

An in-depth study of the foundations and applications of computer-based tools that support the functions and activities of managers. It includes, but is not limited to, components on decision support systems, executive support systems, and expert systems. Integrates hands-on experience in the development of applications with theoretical structure of decision making.

Prerequisite: MBAA 609 or MBAA 6090.

### **MBAD 613 Database Management Systems**

*3 semester hours*

An in-depth analysis of the strategies employed in the development of generalized database management systems. Explores data and file structures, the network, hierarchical and relational models, and methods of structured design. Students will be expected to participate in the development of a small database.

Prerequisite: MBAA 609 or MBAA 6090.

### **MBAD 617 Optimization and Financial Engineering**

*3 semester hours*

This course introduces advanced optimization modeling techniques that support financial decision-making. Provides hands-on experience in the development of spreadsheet optimization models for applications in cash budgeting, portfolio management, short-term financial planning, capital budgeting, and project management.

Prerequisites: MBAA 607 or MBAA 6050 and MBAA 608 or MBAA 6070.

### **MBAD 619 Risk Analysis and Financial Modeling**

*3 semester hours*

This course introduces advanced quantitative model building skills for financial risk analysis. Provides hands-on experience in the development of spreadsheet simulation and forecasting models for applications in valuation, capital budgeting, mergers and acquisitions, option pricing, and portfolio management. Also listed as MBAF 619.

Prerequisites: MBAA 607 or MBAA 6050 and MBAA 608 or MBAA 6070.

### **MBAD 630 Business Intelligence Tools and Systems**

*3 semester hours*

The course described the role and application of Business Intelligence in the context of organizational strategy, decision making, and operations. It discusses managerial decision making processes along with the scope and applications of various technical tools that can support those processes. Students taking the course will be introduced to the concepts of Data Warehouses, Business Analytics, and Visualization tools and their roles in delivering Business Intelligence to decision makers. It also delves into the issues of data quality and integration, availability, and organization information and other challenges faced by organizations in implementing BI solutions. Students are exposed to the current industry standard BI software and a number of hands-on exercises as well as projects are used to provide the students with first-hand experience in using BI tools for decision making. Also listed as MBAC 630.

Prerequisites: HB Stats Online, MBAA 603, MBAA 606 or MBAA 6040, MBAA 609 or MBAA 6090, and working knowledge of Excel.

### **MBAD 635 Information Technology Security**

*3 semester hours*

After 9/11 and the fall of Enron—the 7th largest corporation in America—information technology security has become one of the fastest growing areas in the business world. The need to know how to protect corporate information from attacks both from terrorists and business insiders are enormous. The main objective of this course is to provide students an exposure to the complex information security management issues in the US today. This course offers business professionals a unique blend of technical knowledge and managerial training to investigate digital threats, study corporate security needs, modeling potential risk, and explore possible strategies that management can adapt to protect valuable corporate assets. Also listed as MBAC 635 and MBAJ 635.

Prerequisites: MBAA 602 or MBAA 6020 and MBAA 609 or MBAA 6090.

### **MBAD 680 Building an eCommerce Business in a Semester**

*3 semester hours*

Using a practitioner's approach combined with the exposure to necessary knowledge of eBusiness management, strategy, technology, and operations, this course examines how to build a successful eBusiness including a functional eBusiness website. The focus is primarily on the knowledge needed to build a consumer centric eBusiness (B2C). Also listed as MBAC 680 and MBAH 680. Prerequisites: MBAA 606 or MBAA 6040; MBAA 609 or MBAA 6090.

### **MBAD 698 Special Studies**

*1 TO 3 semester hours*

Prerequisite: As designated by the MBA Office.

### **MBAD 699 Independent Studies**

*1 TO 3 semester hours*

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, and MBAA 609; or MBAA 6010, MBAA 6020, MBAA 6030, MBAA 6040, MBAA 6050, MBAA 6060, MBAA 6070, MBAA 6080, and MBAA 6090.

## **Human Resources Management (MBAE)**

### **MBAE 611 Human Resource Management and Career Development**

*3 semester hours*

This course provides a broad overview to fill critical information and skill needs of all managers for effectively managing an organization's human resources. Key topics include human resource planning, staffing, training, performance evaluation, compensation, health and safety, labor law, and equal employment guidelines. An important emphasis is on effective career planning in organizations, both for managers themselves and their subordinates. Prerequisite: MBAA 605 or MBAA 6010.

### **MBAE 613 Performance Management**

*3 semester hours*

Key principles, methods and techniques are presented for enhancing employee productivity through performance problem analysis, work design, coaching, training and skill development, performance appraisal system design and implementation, employee correction and discipline, interpersonal communications skills, team development and management, empowerment and other formal and informal performance management systems. Includes Human Resource performance management issues and methods appropriate for the small- and medium-sized enterprise. Critical legal aspects of performance management are also covered. Also listed as MBAB 613 and MBAH 613. Prerequisite: MBAA 605 or MBAA 6010.

### **MBAE 621 Managing in the Multicultural Workplace**

*3 semester hours*

Drawn to areas of economic traction, the immigrant populations participate in fueling economic growth, creating a diverse workplace with a multicultural workforce in the process. Business issues relating to these demographic realities, superficially in the Los Angeles area, such as immigration and settlement patterns, workforce and market participation, and the process of assimilation will be analyzed. Intercultural communication, prejudice as a management concern, operational challenges and strategic questions will be defined and explored. Also listed as MBAB 621. Prerequisite: MBAA 605 or MBAA 6010.

### **MBAE 630 Strategic Human Resource Management**

*3 semester hours*

This course examines important HRM topics that are closely involved in the successful formulation and implementation of strategy within organizations for achieving competitive advantage, including strategic human resource planning and staffing,

organizational culture and leadership, communication, compensation and reward systems, managing organization change and development, and building learning organizations. Prerequisite: MBAA 605 or MBAA 6010.

### **MBAE 636 Managing Organizational Change and Development**

*3 semester hours*

This course will focus on an investigation of the emerging field of Organization Development (OD), including its major theories, basic concepts and primary intervention/change strategies. This course will focus on assessing the health/effectiveness of an organizational system and how planning an intervention/change strategy will increase the effectiveness of the organization. Also listed as MBAB 636.

Prerequisite: MBAA 605 or MBAA 6010.

### **MBAE 637 International Management of Human Resources**

*3 semester hours*

This course examines key issues and problems involved in managing human resources on a global scale. In addition to comparative analysis of traditional HRM areas such as staffing, training, performance appraisal, and compensation, special topics include expatriate preparation, repatriation, and managing an international and culturally diverse workforce. Also listed as MBAB 637 and MBAG 637.

Prerequisite: MBAA 605 or MBAA 6010.

### **MBAE 685 Power, Politics, and Negotiation in Organizations**

*3 semester hours*

A study of organizational politics and power applications within the organization. The focus is a positive practical understanding and application of power within organizations. Inter- and intra-organizational negotiation techniques are also explored from theoretical and practical standpoints. Also listed as MBAB 685. Prerequisite: MBAA 605 or MBAA 6010.

### **MBAE 698 Special Studies**

*1 TO 3 semester hours*

Prerequisite: As designated by the MBA Office.

### **MBAE 699 Independent Studies**

*1 TO 3 semester hours*

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, and MBAA 609; or MBAA 6010, MBAA 6020, MBAA 6030, MBAA 6040, MBAA 6050, MBAA 6060, MBAA 6070, MBAA 6080, and MBAA 6090.

## **Financial Decision Systems (MBAF)**

### **MBAF 611 Financial Markets**

*3 semester hours*

This course introduces students to the various financial markets. Emphasis is on the history and development of each market as well as changes in the markets over recent years. The impact of factors such as technology, regulation, political and global environments on the operations of these markets will be discussed. Prerequisite: MBAA 608 or MBAA 6070.

### **MBAF 614 Accounting and Finance Concepts for Strategic Planning**

*3 semester hours*

Through the lens of a Chief Financial Officer, this course aims to highlight common mistakes in strategic planning and prepare students to convincingly document critical financial assumptions, incorporating global trends, ethics, and real world risk management. Key concepts that help to evaluate initial funding, cash flows, and return on investment in formats used in banks and boardrooms are examined. This course is also listed as MBAJ 614.

Prerequisite: MBAA 608 or MBAA 6070.

### **MBAF 619 Risk Analysis and Financial Modeling**

*3 semester hours*

This course introduces advanced quantitative model building skills for financial risk analysis. Provides hands-on experience in the development of spreadsheet simulation and forecasting models for applications in valuation, capital budgeting, mergers and acquisitions, option pricing, and portfolio management. Also listed as MBAD 619.

Prerequisites: MBAA 607 or MBAA 6050, and MBAA 608 or MBAA 6070.

### **MBAF 620 Entrepreneurial Finance**

*3 semester hours*

Financing issues and options from the vantage points both of the entrepreneur and the investor are examined to develop an appreciation of the critical role financing plays in new venture creation and the successful growth of emerging companies. The course addresses the evaluation of the potential (market and financial) of new (small, high growth) ventures from the perspective of both investor and entrepreneur. The source of value in new and growing companies (e.g., technology, team, etc.) and the financing options for companies of various types and stages are addressed as well as the development of plans for raising needed capital. Also listed as MBAH 620.

Prerequisite: MBAA 608 or MBAA 6070.

### **MBAF 623 Investments**

*3 semester hours*

Presents portfolio theory and security analysis. Describes the market for each security and available investment strategies. Presented from a personal investor perspective.

Prerequisite: MBAA 608 or MBAA 6070.

### **MBAF 624 Mergers and Acquisitions**

*3 semester hours*

A capstone MBA entrepreneurial experience that looks at mergers, acquisitions, long-term capital investments, levered buyouts, and divestitures. Major management decisions attempting to exploit economic and market opportunities are investigated in regard to their impact upon shareholder wealth. Also listed as MBAH 624.

Prerequisite: MBAA 608 or MBAA 6070.

### **MBAF 625 Real Estate Investments and Entrepreneurship**

*3 semester hours*

An entrepreneurial approach to real estate investment built around financial modeling, market area supply and demand analysis, risk analysis, mortgage alternatives, and taxation impacts. Merits of real property investment options and strategies are presented in a "real world" context. Also listed as MBAH 625.

Prerequisite: MBAA 608 or MBAA 6070.

### **MBAF 628 The CFO Perspective**

*3 semester hours*

The roles and responsibilities of the Chief Financial Officer (CFO) in multiples industries and contexts are examined in depth to understand the relationships among the financial, operational, and strategic issues of the firm. Multiple perspectives on the role of the CFO are explored.

Prerequisites: MBAA 602 and MBAA 608 or MBAA 6020 and MBAA 6070.

### **MBAF 648 International Finance**

*3 semester hours*

This course introduces students to international business finance and the workings of international financial markets. The principal objective of the course is for students to develop an understanding

of the basic tools of financial decision-making in an international environment. Key topics of study include exchange rate determination; relationships between inflation, interest rates, and exchange rates; risk management; multinational capital budgeting; and international portfolio theory. Also listed as MBAG 648.  
Prerequisite: MBAA 608 or MBAA 6070.

### **MBAF 698 Special Studies**

*1 TO 3 semester hours*

Prerequisite: As designated by the MBA Office.

### **MBAF 699 Independent Studies**

*1 TO 3 semester hours*

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, and MBAA 609; or MBAA 6010, MBAA 6020, MBAA 6030, MBAA 6040, MBAA 6050, MBAA 6060, MBAA 6070, MBAA 6080, and MBAA 6090.

## **International Business Systems (MBAG)**

### **MBAG 620 Global Marketing Strategy**

*3 semester hours*

Concepts, principles, processes, and implications relevant to gaining competitive advantage in the global marketplace are examined. Topics include analysis of the company environment, identification of the company's competitive strategy, assessment of segments and identifying target markets, entry and expansion into the global marketplace, development of global positioning and marketing strategies, and standardization and adaptation strategies. Also listed as MBAC 620.

Prerequisites: MBAA 606 or MBAA 6040, and MBAA 6100.

### **MBAG 637 International Management of Human Resources**

*3 semester hours*

This course examines key issues and problems involved in managing human resources on a global scale. In addition to comparative analysis of traditional HRM areas such as staffing, training, performance appraisal, and compensation, special topics include expatriate preparation, repatriation, and managing an international and culturally diverse workforce. Also listed as MBAB 637 and MBAE 637.

Prerequisites: MBAA 605 or MBAA 6010, and MBAA 6100.

### **MBAG 640 Global Strategy**

*3 semester hours*

The formulation and implementation of business and corporate strategies for worldwide operations in the increasing global economy, as opposed to those of purely domestic firms or firms marginally involved in international activities, is examined. The most recently developed approaches and concepts are discussed and applied through the use of extensive international case studies and current readings. Also listed as MBAB 640.

Prerequisites: MBAA 605 or MBAA 6010 and MBAA 6100.

### **MBAG 641 International Management**

*3 semester hours*

Differences in political, economic, and socio-cultural environments around the world challenge managers with opportunities and risks. The primary objective of the course is to help the students achieve understanding of the international business environment and evaluate the agenda facing managers operating in international business contexts. Also listed as MBAB 641.

Prerequisites: MBAA 605 or MBAA 6010 and MBAA 6100.

### **MBAG 646 International Entrepreneurship**

*3 semester hours*

This course focuses on international small business venture initiation process and seeks to develop your knowledge and skills in

three key components of international entrepreneurship: initiating entrepreneurial venture, managing basic international business transactions, and dealing in multicultural business environments. Also listed as MBAH 646.  
Prerequisites: MBAA 605 or MBAA 6010, MBAA 606 or MBAA 6040, and MBAA 608 or MBAA 6070, and MBAA 6100.

### **MBAG 647 International Marketing**

*3 semester hours*

This course will examine marketing management and planning factors and techniques required for success in a global environment. Students will develop an appreciation for the external forces which shape the international marketer's decisions and will study strategic decision-making used by international firms as they enter and adapt to new cultures and nations. Also listed as MBAC 647.  
Prerequisites: MBAA 606 or MBAA 6040, and MBAA 6100.

### **MBAG 648 International Finance**

*3 semester hours*

This course introduces students to international business finance and the workings of international financial markets. The principal objective of the course is for students to develop an understanding of the basic tools of financial decision-making in an international environment. Key topics of study include exchange rate determination; relationships between inflation, interest rates, and exchange rates; risk management; multinational capital budgeting; and international portfolio theory. Also listed as MBAF 648.  
Prerequisites: MBAA 608 or MBAA 6070, and MBAA 6100.

### **MBAG 676 The European Union**

*3 semester hours*

This course will examine the European Union as both a major part of the global marketplace and an institutional policymaking body whose decisions impact both the marketplace and the practice of management. Political, economic, cultural, and historical impacts on EU policy formulation and on doing business there are highlighted and contrasted with other regions where appropriate. Corporate briefings highlighting current issues facing various companies are included. Finally, the course addresses the major EU issues of the day.  
Prerequisites: MBAA 6100 and MBAA 606 or MBAA 6040.

### **MBAG 698 Special Studies**

*1 TO 3 semester hours*

Prerequisite: As designated by the MBA Office.

### **MBAG 699 Independent Studies**

*1 TO 3 semester hours*

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, MBAA 609.

## **Entrepreneurial Organizations (MBAH)**

### **MBAH 611 Entrepreneurship**

*3 semester hours*

Sources of entrepreneurs and entrepreneurial opportunities are explored. Steps in starting a new venture, preparation of a business plan for this venture.

Prerequisites: MBAA 605 or MBAA 6010, MBAA 606 or MBAA 6040, MBAA 608 or MBAA 6070.

### **MBAH 613 Performance Management**

*3 semester hours*

Key principles, methods, and techniques are presented for enhancing employee productivity through performance problem analysis, work design, coaching, training and skill development, performance appraisal system design and implementation, employee correction and discipline, interpersonal communication

skills, team development and management, empowerment, and other formal and informal performance management systems. Includes Human Resource performance management issues and methods appropriate for the small- and medium-sized enterprise. Critical legal aspects of performance management are also covered. Also listed as MBAB 613 and MBAE 613.  
Prerequisite: MBAA 605 or MBAA 6010.

### **MBAH 617 Small Business Management and Law**

*3 semester hours*

This course focuses on the structure of law as it applies generally to syndications, franchises and business opportunities; legal representation benefits to business opportunities; insurance and risk management, worker's compensation, health benefits; legal analytical skills to achieve business goals; and, the interface of business opportunities, government and regulatory agencies, wage and hour laws, architectural requirements, E.E.O.C. and disability compliance rules.  
Prerequisites: MBAA 601, and MBAA 605 or MBAA 6010.

### **MBAH 618 Entrepreneurial and Small Business Marketing**

*3 semester hours*

Traditional marketing approaches often assume large budget, well-organized management structures, available information and power in the marketplace. Small and entrepreneurial business now constitutes a critical sector of the global economy, and the unique needs of such enterprises must be addressed. This course examines how marketers in emergent firms may challenge major competitors through the use of niche strategies, guerrilla techniques, and general creativity.  
Prerequisite: MBAA 606 or MBAA 6040.

### **MBAH 619 Business Incubation**

*3 semester hours*

In this course, students will develop first-hand experience in starting, planning, running, and growing one or more new (or relatively new) venture(s). Each startup will set clear (though often fluid) goals and milestones and will work diligently to achieve them by the end of the course. The course will include a limited number of lectures, team discussions, and individual coaching by the instructor and other advisors.  
Prerequisite: MBAA 605 or MBAA 6010.

### **MBAH 620 Entrepreneurial Finance**

*3 semester hours*

Financing issues and options from the vantage points both of the entrepreneur and the investor are examined to develop an appreciation of the critical role financing plays in new venture creation and the successful growth of emerging companies. The course addresses the evaluation of the potential (market and financial) of new (small, high growth) ventures from the perspective of both investor and entrepreneur. The source of value in new and growing companies (e.g., technology, team, etc.) and the financing options for companies of various types and stages are addressed as well as the development of plans for raising needed capital. Also listed as MBAF 620.  
Prerequisite: MBAA 608 or MBAA 6070.

### **MBAH 622 Management Consulting**

*3 semester hours*

This course examines the process of consulting to management, which involves providing expert knowledge, resources, and skills to assist managerial decision-making and enhance organizational performance. This course considers various different models within the professional consulting services industry to assist students in considering possible options for future career planning. Students working in teams also gain direct experience with an actual client organization in the full cycle of a consulting project, from project

formulation and engagement through implementation and evaluation. Also listed as MBAB 622.

Prerequisite: MBAA 605 or MBAA 6010.

### **MBAH 624 Mergers and Acquisitions**

*3 semester hours*

A capstone MBA entrepreneurial experience that looks at mergers, acquisitions, long-term capital investments, levered buyouts, and divestitures. Major management decisions attempting to exploit economic and market opportunities are investigated in regard to their impact upon shareholder wealth. Also listed as MBAF 624.

Prerequisite: MBAA 608 or MBAA 6070.

### **MBAH 625 Real Estate Investments and Entrepreneurships**

*3 semester hours*

An entrepreneurial approach to real estate investment built around financial modeling, market area supply and demand analysis, risk analysis, mortgage alternatives, and taxation impacts. Merits of real property investment options and strategies are presented in a "real world" context. Also listed as MBAF 625.

Prerequisite: MBAA 608 or MBAA 6070.

### **MBAH 630 Strategies for Technology Ventures**

*3 semester hours*

This course explores emerging trends and opportunities arising from innovations in science and technology and examines strategies that ventures utilize to exploit them. This course is designed to be approachable for all graduate students regardless of backgrounds and will be highly relevant for those interested in careers in management, marketing, and financing of technology. Through a collection of case studies, lectures, guest speakers, and projects that cover high-growth ventures, the student will gain an understanding of the basic opportunities and challenges around some of the most promising technologies. The purpose of the course is to offer the student the tools necessary to successfully identify a true business opportunity and to start, grow, and maintain a technology enterprise.

### **MBAH 646 International Entrepreneurship**

*3 semester hours*

This course focuses on international small business venture initiation process and seeks to develop your knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial venture, managing basic international business transactions, and dealing in multicultural business environments. Also listed as MBAG 646.

Prerequisites: MBAA 605 or MBAA 6010, MBAA 606 or MBAA 6040, and MBAA 608 or MBAA 6070.

### **MBAH 650 Social Entrepreneurship**

*3 semester hours*

This course is an introduction to the field of social entrepreneurship—the process of using an entrepreneurial mindset and business skills to create innovative approaches to addressing societal problems. Various concepts and examples of social entrepreneurship (both not-for-profit and for-profit models) are examined through theoretical discussion and case studies. Students will explore their own solutions to a social problem of their choice. This course satisfies the Business and Society requirement.

Prerequisite: MBAA 605 or MBAA 6010.

### **MBAH 673 New Product Design and Development**

*3 semester hours*

This course is a team-taught course (professors from Engineering and MBA) that is cross-listed with MECH 651/SELP 673. The course includes both individual projects and assignments and a team project to create a new product, develop a prototype, and then develop a business plan for bringing the product to market. Each

team will involve engineers and MBA students. In the past, the course has created outstanding results, including projects that are actually being taken to market. Teams have competed in International New Venture Competitions representing LMU.

Prerequisites: MBAA 606 or MBAA 6040, and MBAA 608 or MBAA 6070.

### **MBAH 680 Building an eCommerce Business in a Semester**

*3 semester hours*

Using a practitioner's approach combined with the exposure to necessary knowledge of eBusiness management, strategy, technology, and operations, this course examines how to build a successful eBusiness including a functional eBusiness website. The focus is primarily on the knowledge needed to build a consumer centric eBusiness (B2C). Also listed as MBAC 680 and MBAD 680.

Prerequisites: MBAA 606 or MBAA 6040; MBAA 609 or MBAA 6090.

### **MBAH 698 Special Studies**

*1 TO 3 semester hours*

Prerequisite: As designated by the MBA Office.

### **MBAH 699 Independent Studies**

*1 TO 3 semester hours*

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, MBAA 609.

## **Integrative Experience (MBAI)**

### **MBAI 610 Management Strategy**

*3 semester hours*

This course deals with the strategic direction of the firm. Tools for the in-depth analysis of industries and competition and techniques for the analysis and creation of competitive advantage are presented. Issues of both formulation and implementation of strategy within the firm are explored. This course seeks to develop the capability to understand and evaluate a firm's strategic situation in depth, and to advance viable approaches to addressing the key issues facing it.

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, MBAA 609.

### **MBAI 611 Seminar in Business and Capitalism**

*3 semester hours*

Business and Capitalism is an historical analysis of systems of economic and political thought, examined from the perspective of the practice of business. In particular, the roles of capitalism, socialism, and numerous other economic systems will be explored in detail, as well as the manners by which the parameters of business and commerce are shaped and constrained within each of these systems. Students will be encouraged to examine and refine their own values and beliefs as they relate to these systems, and to their own future careers in business. MBA students only. This course is also listed as MBAC 611.

Prerequisites: MBAA 601-609 or MBAA 6010-6090.

### **MBAI 688 CMS Preparation—Fall**

*0 semester hours*

This noncredit class is required for CMS activities and mandatory for those planning to participate in the CMS class departing in May. Students will register for this class as they would for any Fall semester course. No tuition is paid at the time of registration, but rather a CMS travel deposit is required. The class will meet one Saturday per month. The schedule will be posted outside the MBA Office.

### **MBAI 689 CMS Preparation—Spring**

*0 semester hours*

This noncredit class is equivalent to MBAI 688, but takes place in

the Spring. Students will pay the remaining travel costs required for the CMS trip to be determined by the MBA Office. The balance will be due upon registration.

Prerequisite: MBAI 688.

### **MBAI 690 International Regional Strategies: Cultural and Industrial**

*3 semester hours*

Class sessions held over each month emphasize tools of analysis and comparison, international strategy, regional studies and the industry that has been selected for the year's focus. Individual papers are written on cultural aspects of the international region to be visited and on the group process to date. Group papers are written on the industry, and group presentations are given on visits to representative local firms visited by each group.

Prerequisites: Completion of the core plus MBAI 688 and MBAI 689 or completion of the new core (MBAA 6010-6100) plus MBAI 688 and MBAI 689.

### **MBAI 691 Comparative Management Systems (CMS)**

*3 semester hours*

The CMS course commences immediately at the conclusion of MBAI 690. Students continue with the same groups to visit business firms in a number of different countries. Their preparation in the previous course provides them a significant degree of industry and cultural awareness.

The duration of the trip is about three weeks. En route, the student groups conduct pre-arranged visits to firms in the designated industry and meet with executives who manage their group's functional area. After each visit, the groups make informal presentations to the rest of the class integrating information gleaned from the visit with that from previous visits. Additional visits with relevant government and industry organizations are included for overall learning enrichment.

At the conclusion of the course, each student submits a final analysis of his/her group. Sub groups write papers on topics of interest and present them to their peers in an academic conference. Although students may have only one integrative course sequence in their MBA program, it is possible for students to participate a second time in the CMS experience on a directed study elective (MBAG 698) basis.

Prerequisite: MBAI 690.

### **MBAI 692 Integrative Project**

*3 semester hours*

This course provides an opportunity for the student to integrate three fields of study in solving on-the-job problems or by doing primary research. An intensive original research study within one field may also be acceptable. Admission requires approval of the Integrative Project Coordinator. The student works independently with the Integrative Project Coordinator in completing the project. Each project is an effort that is unique to the student and his/her field of study and provides a definite state of the art advancement.

Prerequisite: MBAI 610 or MBAI 690.

### **MBAI 697 Internship Experience**

*0 semester hours*

This zero-semester-hour Credit/No Credit course will assist students in attaining practical experience relevant to the student's area of emphasis. Course is repeatable.

### **MBAI 698 Special Studies**

*0 TO 3 semester hours*

### **MBAI 699 Independent Studies**

*0 TO 3 semester hours*

## **Accounting Decision Systems (MBAJ)**

### **MBAJ 614 Accounting and Finance Concepts for Strategic Planning**

*3 semester hours*

Through the lens of a Chief Financial Officer, this course aims to highlight common mistakes in strategic planning and prepare students to convincingly document critical financial assumptions, incorporating global trends, ethics, and real world risk management. Key concepts that help to evaluate initial funding, cash flows, and return on investment in formats used in banks and boardrooms are examined. This course is also listed as MBAF 614.

Prerequisites: MBAA 602 and MBAA 608; or MBAA 6020 and MBAA 6070.

### **MBAJ 618 Fraud Examination**

*3 semester hours*

An introductory course designed for business managers and those beginning careers in accounting and auditing. The course stresses the nature of fraud, its litigation, approaches to detecting and preventing fraud, fraud inquiry methods, and reports issued by fraud examiners. Specific topics covered include: financial statement fraud, asset conversion frauds, computer frauds, and bankruptcy frauds. The course advocates a more careful and skeptical view of financial transactions and information.

Prerequisite: MBAA 602 or MBAA 6020.

### **MBAJ 635 Information Technology Security**

*3 semester hours*

After 9/11 and the fall of Enron—the 7th largest corporation in America—information technology security has become one of the fastest growing areas in the business world. The need to know how to protect corporate information from attacks both from terrorists and business insiders are enormous. The main objective of this course is to provide students an exposure to the complex information security management issues in the US today. This course offers business professionals a unique blend of technical knowledge and managerial training to investigate digital threats, study corporate security needs, modeling potential risk, and explore possible strategies that management can adapt to protect valuable corporate assets. Also listed as MBAC 635 and MBAD 635.

Prerequisites: MBAA 602 or MBAA 6020 and MBAA 609 or MBAA 6090.

### **MBAJ 698 Special Studies**

*1 TO 3 semester hours*

Prerequisite: As designated by the MBA Office.

### **MBAJ 699 Independent Studies**

*1 TO 3 semester hours*

Prerequisites: MBAA 601, MBAA 602, MBAA 603, MBAA 604, MBAA 605, MBAA 606, MBAA 607, MBAA 608, MBAA 609.

## **Executive MBA Program (MBAP)**

### **MBAP 601 Financial Accounting**

*1 TO 4 semester hours*

This course introduces the role of accounting in business and society, the basic concepts and techniques of financial accounting, and use of financial statements for decision-making purposes.

### **MBAP 602 Managerial Accounting**

*1 TO 4 semester hours*

This course presents the nature, techniques, and uses of accounting from a manager's perspective. Topics include interpreting quality of earnings, alternative accounting measurement techniques, and operational decision making.

### **MBAP 603 Business Insights**

#### *1 TO 4 semester hours*

This course is designed to facilitate students in becoming judicious users of data in strategic management. The course integrates cases and a simulation aimed at developing competencies critical to data-based managerial decisions. Students will learn to identify information needs—what information, data, and analyses would be needed—in order to ensure more effectual decisions. Special emphasis will be placed on improving students' skills in interpreting research findings and other data, and deploying such information to craft recommendations and decisions.

#### **MBAP 605 Big Data, Analytics, and Organizational Decision-Making**

##### *1 TO 4 semester hours*

This course builds on the MBAP 603 Business Insights course. It examines how companies can utilize regular data and Big Data with Business Analytics to support organizational decision-making. Students learn about the role of Big Data in organizational decision-making, examine the types of traditional and Big Data architecture needed to create analytics-ready data that can be used for decision-making process; and learn how to apply analytics to inform better decisions.

#### **MBAP 608 Fundamentals of Finance**

##### *1 TO 4 semester hours*

This course establishes the fundamentals of financial analysis, including analyzing financial statements and financial ratios, time value of money and present value, valuing financial securities, risk and return, and long-term capital budgeting.

#### **MBAP 609 Corporate Finance and Capital Markets**

##### *1 TO 4 semester hours*

This course reviews and builds on the finance materials covered in MBAP 608 Fundamentals of Finance, including applying capital budgeting techniques to capital investment decisions, exploring capital structure and distribution policies, examining the structure of, and participants in, financial markets, and discussing the raising of capital in those markets.

#### **MBAP 611 Financing Expansion and Resolving Growth Issues**

##### *1 TO 4 semester hours*

This course builds upon the material introduced in MBAP 609 Corporate Finance and Capital Markets. This course integrates with the international expansion project and covers topics such as mergers and acquisitions, planning and forecasting for corporate growth and expansion, executive compensation, and real options.

#### **MBAP 612 Leadership Practicum**

##### *1 TO 4 semester hours*

This course provides a forum for applying and strengthening leadership and team building skills. Through classroom and experiential learning activities, students will gain insight into their own leadership style and use it more effectively.

#### **MBAP 613 Strategic Opportunity Assessment**

##### *1 TO 4 semester hours*

This skill application project involves the identification and evaluation of an international business opportunity. A major report and presentation integrate module concepts into a supportable recommendation for board-level decision.

#### **MBAP 614 Strategic Opportunity Implementation**

##### *1 TO 4 semester hours*

This skill application project is a comprehensive implementation plan for the business opportunity identified and evaluated in the Module 3 skill application project.

#### **MBAP 615 Field Consulting Project**

#### *1 TO 4 semester hours*

In this course, student teams conduct an in-depth study of an actual business, usually a small disadvantaged or non-profit enterprise. Acting as consultants to the enterprise, students apply concepts learned in the classroom to actual business situations, and their recommendations and solutions carry real consequences. Students gain a framework for managing a consulting project and practice the art of quickly turning complex information into effective oral and written presentations.

#### **MBAP 616 New Venture Start Up**

##### *1 TO 4 semester hours*

This course introduces entrepreneurship as an integral part of our economy at the local, regional, national and global levels. Students will gain knowledge and skills that will enable successful entrepreneurial careers in both small and large organizations, and students will learn the application steps in starting a new venture and preparing a business plan for this venture.

#### **MBAP 622 Human Capital Management**

##### *1 TO 4 semester hours*

Introduces students to key human capital management concepts and tools for managing individual and organizational performance. Includes human capital and organizational performance; HR strategy development and planning; HR "best practices"; establishing, evaluating, and rewarding performance; high performance management practices; recruitment/retention of superior staff; knowledge management; and work design.

#### **MBAP 623 Leadership Foundations**

##### *1 TO 4 semester hours*

Addresses what it means to be a leader in the 21st century. Focuses on three areas related to leadership: the key framework that defines a leader; the key issues a leader encounters in daily work, such as managing people, professional growth planning, and providing feedback and coaching; and the context within which the leader operates, including organizational change, climate and culture, and organizational power and politics.

#### **MBAP 624 The Manager as Decision Maker**

##### *1 TO 4 semester hours*

Integrates two different but related decision-making theories: prescriptive (normative) theory and behavioral theory. On the prescriptive side, typical decision-making problems are investigated from problem statement through to solution analysis. On the behavioral side, decision making is investigated from the perspective of how the decision maker is influenced by non-quantitative information.

#### **MBAP 625 Management and the Technological Future**

##### *1 TO 4 semester hours*

The course focuses on technology, which is ubiquitous in management of the modern business. How technology develops and changes, technology management, and the implications for the firm of new technologies are addressed. It also examines key technologies likely to impact the future of the modern firm.

#### **MBAP 626 Executive Communications I**

##### *1 TO 4 semester hours*

This course includes basic elements of corporate communication strategy with an emphasis on writing, presenting, and listening.

#### **MBAP 627 Executive Communications II**

##### *1 TO 4 semester hours*

Emphasizes developing and delivering effective presentations.

#### **MBAP 628 Business Research Skills**

### *1 TO 4 semester hours*

The course introduces students to business research methods and their application to optimizing strategic decisions. Students will complete a "hands-on" industry analysis project. As part of the project, students will learn how to plan and manage the execution of business research projects; how to identify, evaluate, and analyze publicly available data sources; and how to conduct data collection in the field (interviews with policy makers and business executives). Special attention will be placed on the development of students' teamwork skills. The project will conclude with a presentation and a research project.

### **MBAP 629 Managing Innovation**

#### *1 TO 4 semester hours*

This course introduces students to the innovation process within organizations. It examines the leadership, management, organizational, and cultural factors that either facilitate or inhibit innovation in organizations, whether it be in systems for new product development, services, operations, management, or administration. Students will research leading companies to identify and understand factors critical for their ability to sustain innovation. Upon completion of the course, students will gain an understanding of how innovation can contribute to a firm's strategy for sustaining competitive advantage.

### **MBAP 631 Applied Business Economics**

#### *1 TO 4 semester hours*

This course applies economic concepts and tools to solve contemporary, real-world business problems. Includes economic terminology, issues and methods, determinants of supply and demand, elasticity concepts, understanding the economics of the firm, and characteristics of alternative market structures.

### **MBAP 632 Applied Macro Economics**

#### *1 TO 4 semester hours*

Explores how aggregate production and spending interact within free markets in the context of the global economy, including understanding how government policies, including monetary, fiscal, and regulatory policies, help shape the environment in which companies compete.

### **MBAP 633 Business in the International Environment**

#### *1 TO 4 semester hours*

Helps students understand the intricacy of the global political economy by understanding the issues involving international trade and investment for multinational corporations.

### **MBAP 634 Marketing Management**

#### *1 TO 4 semester hours*

This course is to introduce students to a basic understanding of marketing's role in accomplishing an organization's mission. Students will learn the basic concepts of marketing, including segmentation, targeting, differentiation, positioning, buyer behavior, and the elements of the marketing mix—product, pricing, placement, and promotion (4Ps).

### **MBAP 635 Strategic Marketing**

#### *1 TO 4 semester hours*

This course builds upon the marketing concepts and processes explored in MBAP 634 Marketing Management and further introduces the philosophy and practices of strategic marketing. Students will learn a variety of marketing tools available to the firm and how to utilize individual marketing tools to create and implement sustainable marketing strategies and marketing activities.

### **MBAP 641 Executing Strategy in the Global Environment**

#### *1 TO 4 semester hours*

This course focuses on the leader's role in setting, implementing,

and controlling strategy. Students learn how to integrate and incorporate the leadership skills, competencies, and functional disciplines needed to strategically lead an enterprise in a responsible and ethical manner.

### **MBAP 642 Deal Making**

#### *1 TO 4 semester hours*

How to select an appropriate market-entry strategy from a range of reasonable alternatives. If the appropriate strategy requires a business combination of some type, students learn how and when to use the appropriate tools and skills to successfully complete various types of transactions, including mergers, acquisitions, joint ventures, and business alliances.

### **MBAP 643 Strategic Management**

#### *1 TO 4 semester hours*

This course addresses macro-level issues and how they impact the long-term direction of the firm. External forces (globalization, economic trends, technology trends, political and legal environment, and market trends) are analyzed and evaluated to determine strategies that will lead to and sustain a competitive advantage for the firm.

### **MBAP 644 Corporate Governance**

#### *1 TO 4 semester hours*

Helps students understand the role of corporate governance in protecting the interests of corporate stakeholders. Governance often refers to the formulation and administration of policies designed to protect such interests. Traditionally, corporate governance has been defined as a system that allocates duties and authority among a company's shareholders, board of directors, and managers. More recently, the definition has been expanded to include stakeholders other than shareholders such as employees, customers, suppliers, regulators, and communities.

### **MBAP 645 Executive Leadership**

#### *1 TO 4 semester hours*

This course provides the perspective of senior managers and what and what they must do to successfully lead a firm in the 21st century. The course work emphasizes alignment of strategy into action, change management, ethical decisions, and the role of the CEO as figurehead of the firm. Leadership concepts are compared across different industry and organizational settings. A major objective of the course is to "tie together" the leadership threads in the program by integrating leadership concepts learned with one's own personal leadership development experiences.

### **MBAP 646 International Negotiations**

#### *.5 TO 4 semester hours*

In this course students learn how to negotiate effectively in cross-cultural contexts that impact business. Students are exposed to negotiation processes and will have opportunities of applying theoretical knowledge in negotiation simulations.

### **MBAP 651 Introduction to Executive Leadership**

#### *1 TO 4 semester hours*

The program begins with a four-day residential retreat where students set learning goals, form study teams, and engage in a variety of workshops and team-building exercises. A workshop specifically designed for students and their spouses/significant others addresses the importance of achieving balance between family, work, and school, and introduces the Spouse/Partner Support Program.

### **MBAP 652 Field Study: Innovation in Practice**

#### *1 TO 4 semester hours*

This course supplements the Managing Innovation course (MBAP 629). The main component of the course is a domestic field trip to

leading companies to study how their leadership, management, organizational, and cultural factors contribute to sustaining innovation in their respective organizations.

**MBAP 653 Field Study: Business in the International Environment I**

*1 TO 4 semester hours*

This course helps students understand the intricacy of the global political economy by understanding the issues involving international trade and investment for multinational corporations.

**MBAP 654 Business in the International Environment II**

*1 TO 4 semester hours*

This course supplements MBAP 614 Strategic Opportunity Implementation. Students draw on the international field trip's lectures, site visits, presentations, and cultural experiences to gain insights and key "lessons learned" regarding the unique issues, challenges, and potential benefits of conducting business in an international setting. The course includes identifying and assessing major trends (e.g., economic, political, cultural) impacting a U.S. firm seeking to conduct business in a foreign setting and applying the insights gained from their international field trip experience to their own respective individual work environments.

**MBAP 661 Team Performance and Group Dynamics**

*1 TO 4 semester hours*

Helps student study teams perform more effectively in skill application projects, and teaches students about teams and team building so they can use teams more effectively as executives. Includes determinants of team success, developing a team mission and operation guidelines, and monitoring team performance.

**MBAP 662 Ethics and Spirituality in the Workplace**

*.5 TO 4 semester hours*

Effective business leadership requires a commitment to personal leadership development and formation in order to fully realize one's personal goals and maximize the value of the organization and the contribution it makes to stakeholders and society at large. This approach defines valuation in its broadest sense and links one's development as a principle-based leader to how an organization identifies and implements core values within the enterprise.  
Credit/No Credit grading.

**MBAP 663 Professional Growth Planning**

*.5 TO 4 semester hours*

Provides the tools, guidance, and professional support for developing a well thought-out plan for professional growth. It effectively lets students apply the tools of analysis used in business to develop a professional growth plan.

**MBAP 664 NeuroLeadership**

*.5 TO 4 semester hours*

This course is based on the most recent neuroscientific research that identifies components that reduce work-related stress, improve speaking and listening skills, enhance interpersonal and teamwork cooperation, and promote rapid problem solving with minimal conflict. Students will explore the dynamics of inner values and how they affect clarity, intention, and purpose at work and home. Students will be guided through an experiential training process that changes the way they neurologically process listening and speech to improve communication between individuals, groups, and teams.

**MBAP 698 Special Studies**

*1 TO 4 semester hours*

**MBAP 699 Independent Studies**

*1 TO 4 semester hours*

**MBA Residential and Workshops (MBAW)**

**MBAW 6300 Residential Orientation; Managing Your MBA Career**

*5.5 semester hours*

A five-day intensive residential introduction to the MBA program, the perspective of general managers, and the role of business in society. Builds an understanding of teamwork and leadership.  
Credit/No Credit grading.

**MBAW 6301 Management Leadership Workshop: Communicating Your Ideas in Writing**

*.5 semester hours*

Focuses on writing effectively in a business environment, including the analysis of complex ideas, effective argumentation, and skills required to write clear, grammatically correct, and well-structured communications.  
Credit/No Credit grading.

**MBAW 6302 Management Leadership Workshop: Communicating Your Ideas Verbally**

*.5 semester hours*

Focuses on building the skills necessary for effective verbal presentations, including awareness of the audience, preparation, structure, and content of the presentation and techniques for more effective and efficient communication.  
Credit/No Credit grading.

**MBAW 6303 Management Leadership Workshop: Making Ethical Decisions**

*.5 semester hours*

Focuses on the relationship between business and society with a specific focus on developing an understanding and appreciation of the ethical issues that arise in management decision-making and the impact of the actions of businesses on stakeholders and the larger society.  
Credit/No Credit grading.

**MBAW 6304 Management Leadership Workshop: Critical Analysis and Creative Thinking**

*.5 semester hours*

Focuses on tools and methods for the analysis of problems and approaches for generating creative solutions, with emphasis on the construction, presentation, and critical evaluation of clear, concise, and well-reasoned arguments.  
Credit/No Credit grading.

**MBAW 6305 Management Leadership Workshop: Managing and Developing Talent**

*.5 semester hours*

Focuses on tools and skills required for attracting, developing, and retaining people in organizations with a specific focus on active listening and interviewing skills. Students will practice both interviewing and being interviewed.  
Credit/No Credit grading.

**MBAW 6306 Management Leadership Workshop: Becoming a Strategic Leader**

*.5 semester hours*

Focuses on building skills for thinking, acting, and influencing others in ways that promote organizational success, including self-assessment of leadership style, strengths, and areas for improvement.  
Credit/No Credit grading.

**MBAW 6307 Management Leadership Workshop: Planning Your Future**

.5 semester hours

Focuses on career decision making and navigating in the contemporary workplace with an emphasis on how individuals may better understand how to define and communicate their individual professional identity and value to employers across diverse fields and industries that represent a best career fit.  
Credit/No Credit grading.

## **Modern Greek Studies (MDGK)**

### **MDGK 1101 Elementary Modern Greek I**

4 semester hours

This is an introductory course for students with little or no knowledge of the language. Based on a communicative approach, it covers the fundamentals of grammar, syntax, and vocabulary and emphasizes reading, writing, and conversation skills.

### **MDGK 1102 Elementary Modern Greek II**

4 semester hours

A continuation of MDGK 1101, the course expands on the grammar, syntax, reading, and conversation skills taught in MDGK 1101. Emphasis is on reading, writing, and conversation skills. Cultural notes expand the understanding of Modern Greek life and culture.

### **MDGK 1180 Growing Up American**

4 semester hours

The course examines the intersections of ethnicity, race, gender, and socio-economic class in the context of contemporary American identity politics. Attention is paid to the Greek-American identity. University Core fulfilled: Foundations: Studies in American Diversity.

### **MDGK 1998 Special Studies**

1 TO 4 semester hours

### **MDGK 1999 Independent Studies**

1 TO 4 semester hours

### **MDGK 2203 Intermediate Modern Greek I**

4 semester hours

The course builds on the curriculum taught in MDGK 1102. Students engage in the finer points of Greek grammar and syntax and enrich their vocabulary further. Emphasis is given to reading, writing, listening, and conversational skills. Additional multimedia materials develop the students' proficiency skills in all areas and expand their understanding of Modern Greek language and culture.

### **MDGK 2204 Intermediate Modern Greek II**

4 semester hours

The course builds on the curriculum taught in MDGK 2203 and aims at furthering proficiency through reading, writing, and discussion of a variety of written sources and multimedia materials. Students refine their understanding of grammar and syntax. The reading and discussion of short literary selections and texts written for native speakers enrich vocabulary and give students the opportunity for longer writing assignments and oral presentations.

### **MDGK 2998 Special Studies**

1 TO 4 semester hours

### **MDGK 2999 Independent Studies**

1 TO 4 semester hours

### **MDGK 3321 Advanced Modern Greek**

4 semester hours

The course aims at refining the students' knowledge of grammar and syntax and developing further their vocabulary and comprehension skills. Multimedia materials and longer literary selections help students develop their listening, reading, and writing skills as

emphasis is now on more complex writing assignments. Students are asked to give formal class presentations. The class is taught exclusively in Greek. A reasonable command of Modern Greek is a prerequisite.

### **MDGK 3325 Advanced Modern Greek Conversation**

4 semester hours

A variety of texts (literary and non-literary) and multimedia sources serve as the basis for advanced discussion and composition. Formal presentations are required. Students familiarize themselves with additional aspects of Greek culture, life, politics, and history. The class is taught exclusively in Greek. A reasonable command of Modern Greek is a prerequisite.

### **MDGK 3341 Introduction to Modern Greek Literature (in Translation)**

4 semester hours

An examination of the connections between literature and the formation of a Modern Greek national and cultural identity against the background of Greek history and myth. This course may be repeated for credit.

### **MDGK 3342 Ancient Landscapes: Modern Voices**

4 semester hours

While fully immersed in a 4-week study abroad program in Greece, students study contemporary issues: the position and role of Greece in a European/global political and historical context, globalization and modernization, the connection between past heritage and contemporary culture, diverse forms of cultural and artistic expression, etc. The class discussions are complemented by visits to museums, archaeological sites, performances and other relevant field trips.

This course is offered only in the summer.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Engaged Learning, Writing.

### **MDGK 3343 Angels and Demons: Women and Literary Stereotypes**

4 semester hours

The course examines the social issue of women's position and representation in modern patriarchal society (late 19th century to the present) through the interdisciplinary lenses of Greek and World literature and Women's Studies.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Engaged Learning, Writing.

### **MDGK 3344 Cities of the Dead: English and Modern Greek Modernism**

4 semester hours

A comparative study of Modern Greek and English Modernism and their use of classical myths. Texts from Eliot, Joyce, Seferis, Elytis, Kazantzakis, and others will be used for study and discussion.

### **MDGK 3346 Out of Control: Women, Madness, and the Cultural Imagination**

4 semester hours

A cross-cultural interdisciplinary exploration of social, cultural, and literary representations of female madness from antiquity to the present.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Engaged Learning, Writing.

### **MDGK 3350 Greek Orthodox Tradition**

4 semester hours

This course approaches the study of the Greek Orthodox Church and its traditions from the theological, historical, cultural, literary, and artistic perspectives. Following an interdisciplinary approach,

students examine the historical, social, and cultural forces operative on issues of faith.

University Core fulfilled: Integrations: Faith and Reason.

### **MDGK 3352 Orthodox Christian Spirituality**

*4 semester hours*

This course will introduce students to the rich spiritual tradition of Eastern Orthodox Christianity. Following an interdisciplinary approach, the course will explore the interrelationship of theological and spiritual concepts and how they relate to sociological and psychological development of individuals and communities.

University Core fulfilled: Integrations: Faith and Reason.

### **MDGK 3354 Greek Cinema**

*4 semester hours*

A historical and critical survey of contemporary Greek cinema as an alternative narrative discourse that comments on contemporary political, social, and cultural circumstances.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing, Oral Skills.

### **MDGK 3998 Special Studies**

*1 TO 4 semester hours*

### **MDGK 3999 Independent Studies**

*1 TO 4 semester hours*

### **MDGK 4450 Modern Greek History and Society**

*4 semester hours*

This course studies Modern Greece in the context of European and world history and culture. Combining several disciplines and approaches (history, literature, the arts, and cinema), students examine the crises and challenges that have shaped modern Greek society, the transformations that have taken place, and the culture it has produced.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

### **MDGK 4998 Special Studies**

*1 TO 4 semester hours*

### **MDGK 4999 Independent Studies**

*1 TO 4 semester hours*

## **Modern Languages (MDLG)**

### **MDLG 3400 Linguistics**

*4 semester hours*

Students examine major linguistic disciplines, such as phonology, phonetics, morphology, syntax, and language acquisition and variation. Languages from different linguistic families will be analyzed and compared. This class presents activities for raising linguistic awareness.

Prerequisite: 2000-level in two languages or consent of instructor.

University Core fulfilled: Explorations: Understanding Human Behavior.

### **MDLG 3998 Special Studies**

*1 to 4 semester hours*

### **MDLG 3999 Independent Studies**

*1 to 4 semester hours*

### **MDLG 4400 Applied Linguistics**

*4 semester hours*

Topics include language acquisition, language socialization, language policy and planning, bilingualism and multilingualism, translation and intercultural communication. Students will design a

research project on child/adult second language acquisition in a psycholinguistic or a socio-cultural framework.

Prerequisite: MDLG 3400 or consent of instructor.

### **MDLG 4990 Senior Capstone Project**

*1 semester hour*

Exit research project (for majors only).

Consent of instructor required.

Credit/No Credit grading.

### **MDLG 4998 Special Studies**

*1 to 4 semester hours*

### **MDLG 4999 Independent Studies**

*1 to 4 semester hours*

## **Mechanical Engineering (MECH)**

### **MECH 211 Computer Aided Design**

*2 semester hours*

Introduction to computer-aided design techniques and applications to design and manufacturing problems. Topics include: computer graphics for geometric design, design of curves and shapes, numerical methods for CAD and optimization. Practice and use of solid modeling software package.

Lecture/Laboratory, 2 hours.

### **MECH 212 Mechanics of Materials**

*3 semester hours*

This course will focus on the fundamental analysis of stresses, strains, and deflections of loaded members. Students will learn to analyze members undergoing axial, torsion, and bending loads. Students will be introduced to the simple design of members for failure prevention through component sizing and material selection.

Lecture, 3 hours.

Prerequisite: ENGR 200.

### **MECH 213 Dynamics**

*3 semester hours*

Introduction to Newtonian vector mechanics; Planar and three-dimensional kinematics and kinetics of particles and rigid bodies; rectilinear and curvilinear motion of a particle; rigid body motion; application of principle of work and energy, and principle of impulse and momentum.

Lecture, 3 hours.

Prerequisite: ENGR 200.

Corequisite: MATH 234.

### **MECH 223 Thermodynamics**

*3 semester hours*

The fundamental concepts of classical thermodynamics including properties, work and heat; first and second laws; entropy; irreversible processes; and thermodynamic analysis of power cycles and refrigeration cycles.

Lecture, 3 hours.

Prerequisites: MATH 132 and PHYS 101.

### **MECH 260 Nanotechnology**

*3 semester hours*

An introduction to the nanotechnology language, relationship between the macroscopic, microscopic, and nanoscopic worlds, and exploring the social and ethical implications. Applications will be covered in biology, medicine, computers, and electronics.

Lecture, 3 hours.

For non-majors only.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**MECH 261 Biotechnology**

3 semester hours

An introduction to the integration of nanotechnology and molecular biology to solve industrial, economic, and medical problems. Such topics will include biological processes, DNA sequencing, recombinant DNA, genes, RNA, proteins, engineering bacteria, cloning, diagnostics, and drug delivery. The social and ethical implications will be covered.

Lecture, 3 hours.

For non-majors only.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**MECH 262 Information Technology**

3 semester hours

An introduction to communication systems and data processing. Such topics will include the electromagnetic spectrum, analog/digital transmission, Internet, computers, telephones, cell phones, radio, television, micro/nanoelectronics, the history of modern information technology, and the social/ethical consequences.

Lecture, 3 hours.

For non-majors only.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**MECH 270 Materials**

3 semester hours

Introduction to the chemistry and physics of different materials. Types of materials (metals, ceramics, polymers, and composites) and the relation between their structure and properties. Selection of materials in different applications.

Lecture, 3 hours.

For non-majors only.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**MECH 277 Systems of Energy Conversions**

3 semester hours

Introduction to the engineering disciplines and the fundamentals of energy conversions for non-engineering majors. Topics will include: introduction to different engineering disciplines, defining important parameters used in engineering, engineering components, engineering systems, energy conversion devices and demonstration of engineering laboratories and equipment.

Lecture, 3 hours.

For non-majors only.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

**MECH 298 Special Studies**

1 TO 3 semester hours

**MECH 302 Thermal Science and Energy Lab**

2 semester hours

Team-based experimental projects in the disciplines of fluid mechanics, heat transfer, and thermodynamics; lab safety, instrumentation, test planning, data analysis and report writing.

Lecture/Laboratory, 2 hours.

University Core fulfilled: Flag: Writing.

Prerequisite: MECH 223.

Corequisite: MECH 322.

**MECH 303 Solid Mechanics and Materials Laboratory**

2 semester hours

Students, working both individually and in teams, will conduct experiments using modern equipment and contemporary methods in solid mechanics and materials science. Lab safety, experimental

methods, statistical data analysis, interpretation, and report writing will be emphasized.

Lecture/Laboratory, 2 hours.

University Core fulfilled: Flag: Writing.

Prerequisites: MECH 212 and MECH 313.

**MECH 310 Machine Design**

3 semester hours

Failure analysis of common mechanical elements; analysis, design, and selection of standard mechanical elements such as shafts and shaft components, non-permanent and permanent joints, mechanical springs, bearings, gears, clutches, brakes, couplings, flywheels, and flexible mechanical elements team-based design analysis project.

Lecture, 3 hours.

Prerequisites: MECH 211 and MECH 212.

**MECH 312 Vibrations**

3 semester hours

Fundamentals of vibration of mechanical systems; free and forced vibration of single degree-of-freedom systems with and without damping; viscous and structural damping; Instrumentation for vibration measurements; transient and steady-state response; two and higher degree-of-freedom systems; natural frequencies and mode shapes of vibration; vibration absorption and isolation.

Lecture, 3 hours.

Prerequisite: MECH 213.

**MECH 313 Materials Science**

3 semester hours

A study of metallic, polymeric, and ceramic materials, emphasizing dependence of mechanical and electrical properties on solid-state bonding forces and micro-structure. Mechanical properties of materials. Introductory design considerations.

Lecture, 3 hours.

University Core fulfilled: Flag: Information Literacy.

Prerequisites: CHEM 111 and CHEM 114.

**MECH 321 Energy Systems**

3 semester hours

Review of energy equation and principles of thermodynamics; entropy and exergy. The fundamentals on conventional and renewable energy resources including the basics of conventional energy conversion. Additional topics will include the environmental impacts of energy consumption and economic considerations.

Lecture, 3 hours.

Prerequisite: MECH 223.

**MECH 322 Fluid Mechanics**

3 semester hours

Properties of fluids; fluid statics and dynamics; energy equation; momentum equation; differential and integral approach; drag and lift analysis; turbulent and laminar flow; losses in pipes.

Lecture, 3 hours.

Prerequisites: MATH 234 and MATH 245.

**MECH 323 Heat Transfer**

3 semester hours

Fundamentals of heat transfer mechanisms: conduction, convection, and radiation; steady-state and transient conduction; forced and free convection; heat exchangers; radiation between surfaces.

Lecture, 3 hours.

Prerequisites: ENGR 160, MATH 245, and MECH 223.

**MECH 398 Special Studies**

1 TO 3 semester hours

**MECH 399 Independent Studies**

1 TO 3 semester hours

May not be taken as a required course.

### **MECH 401 Design Capstone Project I**

3 semester hours

Preliminary phases of the capstone project; industrial-sponsored and student design competition team projects; defining the project requirements, developing and refining a design concept, incorporating design standards, and validating the design performance through analysis and testing; formal and informal project reviews and reports; guest lectures by industry experts.

Lecture/Laboratory, 3 hours.

Senior standing required.

University Core fulfilled: Flags: Engaged Learning, Oral Skills.

Prerequisite: MECH 310.

### **MECH 402 Design Capstone Project II**

3 semester hours

Introduction to common methods and technologies used in product design and development; design for manufacturing (DFM) guidelines; rapid prototyping and CNC machining; a comprehensive design and manufacturing project; technical reports.

Lecture/Laboratory, 3 hours.

Senior standing required.

University Core fulfilled: Flag: Writing.

Prerequisite: MECH 401.

### **MECH 410 Design and Manufacturing Laboratory**

2 semester hours

Laboratory applications of vibrations and data acquisition; elasticity, buckling, material testing, computer-aided manufacturing such as NC machining, rapid prototyping, and robotics; tribology; alternative energy technologies such as solar panels and fuel cells.

Lecture/Laboratory, 2 hours.

University Core fulfilled: Flag: Writing.

Prerequisite: MECH 310.

### **MECH 411 Entrepreneurial Product Design**

3 semester hours

Student-conceived and/or corporate-sponsored team projects leading to a final prototype and business plan of a new product. Concept generation, team dynamics, customer needs analysis, product function, risk, decision theory, prototyping, manufacturing planning, specifications, and cost analysis. Cross-listed with the College of Business Administration to include entrepreneurship, marketing, and financial considerations when developing the design and business plan. Final oral presentation in front of a panel of industry experts in engineering and business.

Lecture/Laboratory, 3 hours.

Senior standing required.

### **MECH 412 Control Systems**

3 semester hours

Introduction to basic engineering techniques for modeling and controlling of dynamic systems, including mechanical, fluid, thermal, and electrical systems; analysis of transient and steady-state response; application of root-locus and frequency response methods in control system design; PID controllers.

Lecture, 3 hours.

Prerequisites: MATH 245 and MECH 312.

### **MECH 423 Thermal Systems**

3 semester hours

Selected topics from thermodynamics, fluid mechanics, and heat transfer to include: review of fundamental concepts; boundary layer theory; isentropic flow through nozzles; shock waves; exergy analysis; gas mixtures; heat exchangers and design.

Lecture, 3 hours.

Prerequisites: MECH 223, MECH 322, MECH 323.

### **MECH 493 Mechanical Engineering Internship**

1 TO 3 semester hours

Engineering analysis, testing, design, and/or production work conducted by the student in an industrial setting. The work will be supervised jointly by an engineer with the industrial firm and by an LMU mechanical engineering faculty member. The project must be pre-approved by the Department.

### **MECH 498 Special Studies**

1 TO 3 semester hours

### **MECH 499 Independent Studies**

1 TO 3 semester hours

May not be taken as a required course.

### **MECH 504 Engineering Mathematics**

3 semester hours

Advanced topics in applied mathematics in linear algebra and analysis. Vector spaces, linear transformations, determinants, inner product spaces, solution of simultaneous linear equations, LU factorization, solution of algebraic eigenvalue problems by QR and QZ algorithms, linear least square problem and the singular value decomposition. Vector calculus, change of coordinate transformations, Stokes theorem, introduction to calculus of variation, ordinary differential equations, and numerical methods for their solution. Fourier analysis applied to discrete signals.

Lecture, 3 hours.

Senior or graduate standing required.

### **MECH 510 Computer-Aided Manufacturing**

3 semester hours

A comprehensive study of manufacturing with a focus on automation, flexible automation, group technology, process planning, and design for manufacturability. Principles and applications of computer numerical control (CNC) and NC programming, rapid prototyping, robotics, and quality engineering are introduced through lecture and laboratory work.

Lecture/Laboratory, 3 hours.

Senior or graduate standing required.

### **MECH 511 Materials Selection in Design**

3 semester hours

Application of principles of materials engineering to selection of materials for optimized engineering design, case studies in failure analysis, and process optimization.

Lecture, 3 hours.

Senior or graduate standing required.

### **MECH 512 Advanced Mechanics of Materials**

3 semester hours

Combined loading, curved bars, energy methods, buckling and elastic stability; inelastic and plastic deformations; and use of computational finite element analysis (FEA) software.

Lecture, 3 hours.

Senior or graduate standing required.

### **MECH 513 Metallurgical and Materials Engineering**

3 semester hours

Advanced topics in the relationship of the microstructure and processing of metallic, ceramic, and polymeric materials and their relation to the properties required in engineering design. Phase transformations in ferrous and non-ferrous materials.

Lecture, 3 hours.

Senior or graduate standing required.

Prerequisite: MECH 313.

**MECH 514 Modern Methods in Materials Science**

3 semester hours

Modern methods of understanding and characterizing the structures of current industrial materials. A range of topics will be discussed, such as electron microscopy, atomic force microscopy, quantitative stereology, quantum mechanics, band structure of solids, diffusion processing, semiconductor devices, microelectromechanical systems (MEMS), mechanical defects in solids (point, line, and planar), quantitative methods in metals, ceramics, and composites. Lecture/Laboratory, 3 hours.

Senior or graduate standing required.

Prerequisite: MECH 313.

**MECH 515 Composites**

3 semester hours

Forms and properties of resins, fibers and composites; material and structural design and analysis; manufacturing, machining and assembly; quality assurance and testing; metal and ceramic based materials; information resources.

Lecture, 3 hours.

Senior or graduate standing required.

**MECH 516 Finite Elements Methods**

3 semester hours

Introduction to the theory and application of finite element methods. Review of the fundamentals of analytical models, elasticity, and structural mechanics. Review of matrix theory and calculation of variations. General process for the development of a finite element solution. Derivations of basic elements, including those for trusses, plane stress and plane strain, beams, plates, and solids. Discussion of the issues of conformity and completeness. Higher order interpolation functions and isoparametric elements. Solutions and applications to problems in structural mechanics, heat transfer, structural dynamics, and elastic stability. Practical examples.

Lecture, 3 hours.

Senior or graduate standing required.

**MECH 517 Fracture Mechanics**

3 semester hours

Introduction to concepts of fracture mechanics of engineering materials. These include stress analysis of cracks, fracture toughness, transition temperature, micro-structural aspects, and fatigue crack propagation behavior.

Lecture, 3 hours.

Senior or graduate standing required.

**MECH 520 Computational Fluid Dynamics**

3 semester hours

In-depth study of applied computational methods for solving problems involving fluid and heat transport. Course will include both commercially available codes as well as self-generated solving routines. Topics include: numerical solutions to PDEs, steady flow solutions, unsteady flow solutions, flows involving heat transfer.

Lecture, 3 hours.

Senior or graduate standing required.

Prerequisite: CIVL 310 or MECH 322.

**MECH 521 Alternative Energy Systems**

3 semester hours

A detailed study of alternative energy technologies including: solar thermal, solar photovoltaic, wind, fuel cells, and geothermal systems will be covered. In-depth analysis of the technical aspects of these systems will be covered while considering economic and environmental constraints. Energy storage and grid integration will also be considered.

Lecture, 3 hours.

Senior or graduate standing required.

**MECH 527 Finite Elements Methods**

3 semester hours

Introduction to finite element methods, theory, and applications. Derivations of single elements, matrix application meshing loads, and computer exercises and applications of design.

**MECH 530 Urban Vehicle Design**

3 semester hours

Computer aided design (CAD), analysis, fabrication, and testing of urban vehicle components and systems. Design of new vehicle components and subsystems in order to improve fuel efficiency through weight reduction, improved vehicle aerodynamics, and decreased rolling resistance.

Lecture/Laboratory, 3 hours.

Senior or graduate standing required.

**MECH 531 Design of Tribological Systems**

3 semester hours

Design of systems involving components that undergo surface contact and relative motion. Analytical, computational methods, and experimental techniques used to understand the friction, wear, and lubrication of such systems. Conventional methods used to investigate surface friction and wear and how to minimize their effects.

Lecture/Laboratory, 3 hours.

Senior or graduate standing required.

**MECH 532 Robotics**

3 semester hours

This is a fundamental interdisciplinary robotics course containing both introductory as well as more advanced concepts. The course presents a broad overview of technology, kinematics and control, vision systems, robot languages and programming, applications, economics and social issues. A FANUC CERT LR Mate 200i robot will be used for lecture and class projects.

Lecture/Laboratory, 3 hours.

Senior or graduate standing required.

**MECH 538 Structural Dynamics**

3 semester hours

Beam vibration; boundary conditions; modes; approximate & exact solutions; general matrix formulations and interrelationships; decoupling by transformation to modal coordinates; free and forced response; experimental approaches; modal truncation; mode acceleration method; component mode synthesis; formulation of large-order system responses (time and frequency domain); load transform matrices; introduction to finite elements.

Lecture, 3 hours.

Senior or graduate standing required.

**MECH 540 Structural Dynamics**

3 semester hours

Beam vibration; boundary conditions; modes; approximate & exact solutions; general matrix formulations and interrelationships; decoupling by transformation to modal coordinates; free and forced response; experimental approaches; modal truncation; mode acceleration method; component mode synthesis; formulation of large-order system responses (time and frequency domain); load transform matrices; introduction to finite elements.

**MECH 542 Turbomachinery**

3 semester hours

Compressor, pump, fan selection and applied theory.

Lecture, 3 hours.

Senior or graduate standing required.

**MECH 543 Propulsion**

### *3 semester hours*

This course combines fundamental fluid mechanical and thermodynamic concepts to characterize the components, operation, and performance of internal combustion propulsion devices for aircraft and space vehicles. A practical approach to understanding these devices is also given, supplementing and enhancing the analytical application. The fundamentals of alternative, advanced air breathing and space propulsion concepts are also introduced. Lecture, 3 hours.

Senior or graduate standing required.

### **MECH 551 Sustainable Design**

#### *3 semester hours*

This course focuses on design for the environment (DFE) principles and methods to create sustainable products. The major themes include: design for environmental processing and manufacturing; design for environmental packaging; and design for disposal and reuse. Includes life cycle assessment (LCA) software tools, case studies, and design projects.

Lecture, 3 hours.

Senior or graduate standing required.

### **MECH 560 Turbomachinery**

#### *3 semester hours*

Analysis and design of compressors, pumps, and fans.

### **MECH 598 Special Studies**

#### *1 TO 3 semester hours*

### **MECH 599 Independent Studies**

#### *1 TO 3 semester hours*

Senior or graduate standing required.

May not be taken as a required course.

### **MECH 611 Advanced Elements of Design**

#### *3 semester hours*

Fundamentals of designing machine, sheet metal, and plastic parts and deciding which type of part should be used for a given application. Design of subsystems and assemblies using the rules of datum features, design intent, and geometric dimensioning and tolerancing. Design for manufacturing, assembly, serviceability, and the environment. Hands-on design projects.

Lecture/Laboratory, 3 hours.

Graduate standing required.

### **MECH 612 Rapid Prototyping**

#### *3 semester hours*

The course provides students with an opportunity to conceive, design, and implement a product using rapid prototyping technologies and computer-aided tools. Topics such as principles of rapid prototyping, rapid prototyping materials, reverse engineering, rapid tooling, medical applications, industry perspectives, and current research and developments will be introduced to students through lecture and laboratory works. Two rapid prototyping machines (FDM 1650 and Z Corporation's Z510) will be used for lecture and class projects.

Lecture/Laboratory, 3 hours.

Graduate standing required.

### **MECH 613 Advanced Mechanics of Materials**

#### *3 semester hours*

Combined loading, curved bars, energy methods, buckling and elastic stability; inelastic and plastic deformations; and use of computational finite element analysis (FEA) software.

Lecture, 3 hours.

Graduate standing required.

### **MECH 614 Modern Methods in Materials Science**

### *3 semester hours*

Modern methods of understanding and characterizing the structures of current industrial materials. A range of topics will be discussed, such as electron microscopy, atomic force microscopy, quantitative stereology, quantum mechanics, band structure of solids, diffusion processing, semiconductor devices, microelectromechanical systems (MEMS), mechanical defects in solids (point, line, and planar), quantitative methods in metals, ceramics, and composites. Lecture/Laboratory, 3 hours.

Graduate standing required.

Prerequisite: MECH 313 or equivalent.

### **MECH 615 Composites**

#### *3 semester hours*

Forms and properties of resins, fibers and composites; material and structural design and analysis; manufacturing, machining and assembly; quality assurance and testing; metal and ceramic based materials; information resources.

Lecture, 3 hours.

Graduate standing required.

### **MECH 616 Finite Elements Methods**

#### *3 semester hours*

Introduction to the theory and application of finite element methods. Review of the fundamentals of analytical models, elasticity, and structural mechanics. Review of matrix theory and calculation of variations. General process for the development of a finite element solution. Derivations of basic elements, including those for trusses, plane stress and plane strain, beams, plates, and solids. Discussion of the issues of conformity and completeness. Higher order interpolation functions and isoparametric elements. Solutions and applications to problems in structural mechanics, heat transfer, structural dynamics, and elastic stability. Practical examples.

Lecture, 3 hours.

Graduate standing required.

### **MECH 617 Fracture Mechanics**

#### *3 semester hours*

Introduction to concepts of fracture mechanics of engineering materials. These include stress analysis of cracks, fracture toughness, transition temperature, micro-structural aspects, and fatigue crack propagation behavior.

Lecture, 3 hours.

Graduate standing required.

### **MECH 620 Nanotechnology Engineering Topics**

#### *3 semester hours*

Exploration of technical topics in nanotechnology to prepare the students to better understand engineering research in nanotechnology. Topics such as nanophysics, quantum mechanics, nanofluidics, nano heat transfer, nano materials and tools of nanotechnology will be covered. Applications in engineering and bioengineering will be emphasized.

Lecture, 3 hours.

Graduate standing required.

### **MECH 621 Solar Thermal Energy Systems**

#### *3 semester hours*

In-depth study of solar thermal energy systems. Flat plate collectors, concentrating collectors, hybrid PV/thermal collectors, solar powered heating and cooling.

Lecture, 3 hours.

Graduate standing required.

Prerequisite: MECH 323 or equivalent.

### **MECH 622 Computational Fluid Dynamics**

#### *3 semester hours*

In-depth study of applied computational methods for solving

problems involving fluid and heat transport. Course will include both commercially available codes as well as self-generated solving routines. Topics include: numerical solutions to PDEs, steady flow solutions, unsteady flow solutions, flows involving heat transfer. Lecture, 3 hours.

Graduate standing required.

Prerequisite: CIVL 310 or MECH 322.

### **MECH 623 Advanced Thermodynamics**

*3 semester hours*

Review of advanced topics in classical thermodynamics; topics from statistical thermodynamics including: kinetic theory of gases, distribution of molecular velocity, transport phenomena, quantum mechanics, Bose-Einstein quantum statistics, Fermi-Dirac quantum statistics, and thermodynamics properties.

Lecture, 3 hours.

Graduate standing required.

### **MECH 624 Alternative Energy Systems**

*3 semester hours*

A detailed study of alternative energy technologies including: solar thermal, solar photovoltaic, wind, fuel cells, and geothermal systems will be covered. In-depth analysis of the technical aspects of these systems will be covered while considering economic and environmental constraints. Energy storage and grid integration will also be considered.

Lecture, 3 hours.

Graduate standing required.

### **MECH 631 Elasticity**

*3 semester hours*

Analysis of stress and strain, stress tensor, Mohr's circles for stress and strain, Hooke's law and stress-strain diagrams, equations of equilibrium and compatibility, two-dimensional plane problems in elasticity, Airy stress functions, failure criteria, stresses in thin-walled cylinders and spheres, stress concentration factors, stresses in thick-walled cylinders and disks, energy methods. A brief introduction to the mathematics of vector calculus and indicial notation.

Lecture, 3 hours.

Graduate standing required.

### **MECH 632 Design of Tribological Systems**

*3 semester hours*

Design of systems involving components that undergo surface contact and relative motion. Analytical, computational methods, and experimental techniques used to understand the friction, wear, and lubrication of such systems. Conventional methods used to investigate surface friction and wear and how to minimize their effects.

Lecture/Laboratory, 3 hours.

Graduate standing required.

### **MECH 633 Electronic Properties Materials**

*3 semester hours*

Theory, properties, and device applications of materials from the point of view of their dielectric, electrical, optical, and magnetic behavior.

Lecture, 3 hours.

Graduate standing required.

### **MECH 634 Fatigue**

*3 semester hours*

A study of metal fatigue in engineering describing macro/micro aspects, stress life approach, cycling deformation and strain-life approach, as well as the applications of linear elastic fracture mechanics approach to fatigue crack growth.

Lecture, 3 hours.

Graduate standing required.

### **MECH 635 Structural Dynamics**

*3 semester hours*

Beam vibration; boundary conditions; modes; approximate and exact solutions; general matrix formulations and interrelationships; decoupling by transformation to modal coordinates; free and forced response; experimental approaches; modal truncation; mode acceleration method; component mode synthesis; formulation of large-order system responses (time and frequency domain); load transform matrices; introduction to finite elements.

Lecture, 3 hours.

Graduate standing required.

### **MECH 638 Random Vibrations**

*3 semester hours*

Classification and description of random data (stationarity, ergodicity, cross-correlation, cross spectra); stationary random process theory (one or two variables, Gaussian distribution, correlation, spectral density); linear input-output relations (single and multiple inputs, ordinary, multiple and partial coherence); statistical error in random data analysis; bias; digital signal processing (FFT, spectra, coherence, aliasing, windowing, averaging); nonstationary data; specifications for testing for structural and equipment survival.

Lecture, 3 hours.

Graduate standing required.

### **MECH 642 Turbomachinery**

*3 semester hours*

Compressor, pump, fan selection and applied theory.

Lecture, 3 hours.

Graduate standing required.

### **MECH 643 Advanced Heat Transfer**

*3 semester hours*

Review of the modes of heat transfer and conservation principles. Topics include: two- and three-dimensional conduction; numerical methods; differential equations of laminar boundary layers; momentum transfer and heat transfer for laminar flow inside tubes; momentum transfer and heat transfer for external boundary layers; differential equations of turbulent boundary layers; experimental techniques.

Lecture, 3 hours.

Graduate standing required.

### **MECH 644 Propulsion**

*3 semester hours*

This course combines fundamental fluid mechanical and thermodynamic concepts to characterize the components, operation, and performance of internal combustion propulsion devices for aircraft and space vehicles. A practical approach to understanding these devices is also given, supplementing and enhancing the analytical application. The fundamentals of alternative, advanced air breathing and space propulsion concepts are also introduced.

Lecture, 3 hours.

Graduate standing required.

### **MECH 651 New Product Design and Development**

*3 semester hours*

Student-conceived and/or corporate-sponsored team projects leading to a final prototype and business plan of a new product. Concept generation, team dynamics, customer needs analysis, product function, risk, decision theory, prototyping, manufacturing planning, specifications, quality function deployment, and cost analysis. Cross-listed with the considerations when developing the design and business plan. Final oral presentation in front of a panel of industry experts in engineering and business.

Lecture/Laboratory, 3 hours.

Graduate standing required.

### **MECH 685 Research Project**

*3 semester hours*

Faculty guided mechanical engineering-related research project. Formal requirements must be obtained from the Program Director. Graduate standing in the Combined B.S./M.S. degree program and consent of the Department and project advisor required. Credit/No Credit grading.

### **MECH 686 Master's Thesis**

*3 semester hours*

The student electing the thesis option must obtain a thesis advisor before Departmental consent will be considered. The student must enroll in the thesis course during two semesters. Formal requirements may be obtained from the Program Director. Graduate standing and consent of the Department and thesis advisor required. Credit/No Credit grading.

### **MECH 698 Special Studies**

*1 TO 3 semester hours*

## **Marital and Family Therapy (MFTH)**

### **MFTH 600 Art Therapy Literature and Assessment**

*2 semester hours*

This course reviews the art therapy literature and explores the integration of this modality in the current delivery of mental health services, focusing on cultural issues, marital and family theory, and recovery-oriented care.

### **MFTH 601 Art Therapy Explorations**

*2 semester hours*

This course provides opportunity for the exploration of art materials in support of the students' sensitivity, flexibility, and personal presence as art psychotherapists.

### **MFTH 602 Fundamentals of Marriage/Family Systems**

*2 semester hours*

This course provides an introduction to the systems theory as a foundation to therapeutic intervention in marital and family therapy. The groundwork provides the conceptual view for the exploration of theoretical perspectives in the family therapy literature. A variety of family structures including traditional and non-traditional forms are studied as well as their clinical implications for the marital and family therapist.

### **MFTH 604 Child Psychotherapy: Theory and Practice**

*2 semester hours*

This course critically reviews child development theories, introduces models of psychotherapy with children, and discusses issues of culture in preparing for work with children. It includes an in-depth community-based learning project that facilitates increased awareness of the impact of poverty on the lives of children.

### **MFTH 606 Adolescent Psychotherapy: Theory and Practice**

*2 semester hours*

Continuation of MFTH 604. Within a family context, this course coordinates normal adolescent development, psychopathology, and techniques of psychotherapy. It includes an in-depth community-based learning project that facilitates increased awareness of adolescents marginalized by poverty and incarceration.

### **MFTH 608 Theories of Marriage and Family Therapy**

*2 semester hours*

Within a conceptual framework of systems theory in marital and family treatment, major theories are surveyed including

psychodynamic, structural, strategic, communications, experiential, and post-modern. To demonstrate these theories, videotape of live supervision of cases is utilized where possible. Verbal and nonverbal treatment approaches are explored. Corequisite: MFTH 680.

### **MFTH 609 Introduction to Mental Health Services**

*2 semester hours*

This course introduces the network of mental health services in Los Angeles County and principles of mental health recovery-oriented care, including case management, treatment plans, referral procedures, communication and coordination skills, documentation and the systems of care for the severely mentally ill and victims of abuse. It explores the social and psychological implications of socio-economic position; the impact of poverty, culture, sexual orientation, gender, age, language, and immigration status on the delivery of mental health services; and the consumer's recovery. Additionally, it identifies professional responsibilities and mandated reporting requirements and introduces consumer and family member perspectives on the experience of mental illness, treatment, and recovery.

### **MFTH 610 Adult Psychotherapy**

*2 semester hours*

Normal adult development and theories of dysfunction are presented. Family, marital, individual, and group treatment strategies are addressed exploring both verbal and nonverbal treatment interventions. Emphasis is placed on the differential approach between psychiatric hospital, day treatment, and out-patient settings.

### **MFTH 611 Drug and Alcohol Treatment**

*1 semester hour*

This course helps students to recognize, assess, and treat substance abuse and addiction. It respects the complexity of the subject matter's physiological, sociological, psychological, economic, political, and international facets.

### **MFTH 612 Marriage and Family Psychotherapy: Issues and Applications**

*2 semester hours*

This course reviews various models of psychotherapy through didactic and experiential methods. It includes effective approaches to communications as well as resolution of problematic issues of the treatment process. Considerations of culture, socioeconomics, and stress are addressed and effective practice strategies are emphasized.

### **MFTH 613 Assessment and Intervention of Intimate Partner Violence**

*1 semester hour*

This course reviews the phenomenon of domestic violence, looking at distinguishing criteria, types, prevalence, lethality, the theory of dynamics and its causes, risk factors, patterns, escalation, and cultural factors. It supports students' abilities to recognize and assess the signs and patterns of domestic violence.

### **MFTH 615 Group Psychotherapy: Theory and Practice**

*2 semester hours*

This course reviews the theory and practice of group psychotherapy. It emphasizes the link between cultural diversity, group process and group outcomes. Particular attention is paid to the utilization of groups in work with the severely mentally ill, children and adolescents as well as mental health consumers and their family members.

### **MFTH 616 Human Sexuality**

*1 semester hour*

This course explores human sexuality from a bio-psychosocial perspective, including effects of physiology, genetics, environmental, individual, and relationship problems on sexuality and to know how to therapeutically address these problems. It emphasizes understanding the ways in which sexual problems may appear in social populations.

**MFTH 617 Practicum/Supervision I**

*3 semester hours*

The main objective of this course is supervised application of marital and family theory and psychotherapeutic techniques, including the application of art therapy, in field placement. Students will have opportunities to work with consumers in the community mental health system and demonstrate a beginning understanding of systemic dynamics, applied art therapy interventions, and marital and family therapy theory applications. Practicum sites have been specifically selected so students will encounter racial, cultural, linguistic, ethnic, and socioeconomic diversity. 16 hours a week for 15 weeks.

**MFTH 618 Practicum/Supervision II**

*4 semester hours*

Refer to MFTH 617, Practicum/Supervision I. Requires a minimum of 20 hours per week for 15 weeks.

**MFTH 619 Practicum/Supervision III**

*4 semester hours*

See MFTH 618.

**MFTH 620 Multiculturalism and Art Therapy in Mexico—Part I**

*1 semester hour*

An exploration of cultural issues including art-based processes in support of expanding multicultural clinical competencies.

**MFTH 621 Cultural Issues in Marital and Family Therapy**

*1 TO 3 semester hours*

Multicultural values in psychotherapy and counseling are explored. Cultural factors are examined in the therapeutic process. Enrollment for 1 semester hour is contingent upon completion of MFTH 620 and MFTH 622; enrollment for 2 semester hours is contingent upon completion of MFTH 620.

**MFTH 622 Multiculturalism and Art Therapy in Mexico—Part II**

*1 semester hour*

Culturally relevant fieldwork.

**MFTH 629 Family Art Therapy in Mexico**

*1 semester hour*

An integrated exploration of family art therapy within the context of family therapy theory. Experiential learning is facilitated through the art process.

**MFTH 630 Marital and Family Therapy: Clinical Studies**

*2 TO 3 semester hours*

Advanced studies in marriage and family therapy including the exploration of a range of verbal and nonverbal treatment interventions and strategies from a variety of theoretical viewpoints. The class develops an understanding of the experiences of clients and family members of clients who are consumers of mental health services.

**MFTH 638 Psychopathology**

*2 semester hours*

Psychopathology as stated in DSM-IV is reviewed. The biological, psychological, social, and cultural factors involved in etiology are discussed and explored in terms of the treatment/clinical interventions.

**MFTH 639 Psychopharmacology**

*2 semester hours*

This course offers an overview of the neuroscience and pharmacological treatment of psychiatric disorders. It helps the student acquire necessary vocabulary, knowledge, and skills for effective collaboration with the mental health treatment team.

**MFTH 640 Psychological Tests**

*2 semester hours*

Review of formal and informal psychological tests used for assessment, including issues of reliability, validity, and item content. Projective drawings and structured clinical interviews are covered. Multicultural considerations in testing are integrated in all discussions.

**MFTH 641 Aging and Long-Term Care**

*1 semester hour*

This course strives to address the specific treatment needs and goals of the aging client. Topics include: distinguishing "normal" aging changes in intellectual, cognitive, and memory functioning from those which are a consequence of disease; introduction to the bio-psychosocial model of assessment and psychotherapeutic treatment of older adults; and issues involved when working with the elderly and their families when they confront long-term care. The opportunity to challenge assumptions regarding one's own aging and a look at issues which may impact future life plans will be provided.

**MFTH 642 Trauma Theory and Treatment**

*2 semester hours*

This course introduces key definitions and constructs related to trauma. It introduces theories and intervention models and overviews neurological sequences associated with trauma.

**MFTH 680 Marriage and Family Therapy Observation**

*2 semester hours*

The observation component of MFTH 608, Theories of Marriage and Family Therapy. Corequisite: MFTH 608.

**MFTH 689 Introduction to Research**

*1 semester hour*

An introduction to research design, ethics, and philosophy from a variety of research paradigms and approaches. Credit/No Credit grading.

**MFTH 690 Seminar: Professional Ethics**

*2 semester hours*

Overview of issues in law and ethics for marriage and family therapists and clinical art therapists, such as licensure, values, legal and ethical responsibilities, malpractice, and confidentiality. Also discussed is the development of professional identity.

**MFTH 691 Research Methodology**

*3 semester hours*

An overview of research design, ethics, and philosophy from a variety of research paradigms and approaches. Critical study of the relevant literature and the development of an in-depth proposal for a research/clinical project or paper to be carried out in the following semester.

**MFTH 696 Research/Clinical Paper**

*3 semester hours*

The student carries out a research project and writes a research report under the direction of a faculty member. Consent of instructor required.

**MFTH 698 Special Studies**

0 TO 3 semester hours

Contact Department Chairperson for details.

### **MFTH 699 Independent Studies**

1 TO 3 semester hours

Contact Department Chairperson for details.

## **Management (MGMT)**

### **MGMT 3610 Managing People and Organizations**

3 semester hours

This course provides future leaders and managers with a basic understanding of theories and principles of Organizational Behavior (OB) and their practical applications in critical human resources management (HRM) responsibilities for the effective management of employees, teams, and organizations. Included are key and socially responsible management practices in planning, organizing, and controlling for achieving organizational goals and objectives, as well as in creating a high quality work environment for attracting, developing, and retaining human talent.

Must be taken in residence at LMU.

Prerequisites: BADM 1010 and BADM 1020 with a minimum grade of C (2.0).

University Core fulfilled: Flag: Engaged Learning.

### **MGMT 3620 Management Skills**

3 semester hours

This course provides an opportunity to develop key managerial skills at the personal, interpersonal, group, and organizational levels for promoting effective workforce development and ongoing organizational success. An emphasis will be upon applied, experiential learning in critical performance areas related to communication skills, work design, self-awareness and career development, thinking style and creative problem-solving, emotional intelligence, team effectiveness, employee training, coaching and performance management, and organization performance problem diagnosis.

Prerequisite: MGMT 3610.

### **MGMT 3630 Social Network Analysis for Managers**

3 semester hours

This course explores managing performance through understanding mechanisms of coordination and control. We will consider how managers and organizations can benefit from the coordination of both individual network contacts and organization level contacts such as strategic partnerships. We will analyze social organizations through network methods. We will cover topics including Trust and Reputation, Organizational Roles, Team Work, Organization Change, Virtual Network, and Diffusion.

Prerequisite: MGMT 3610.

### **MGMT 3651 Building Global Career Competence**

3 semester hours

This course combines experiential learning during study abroad with conceptual learning assignments to build critical global career competencies. The course involves relevant and challenging international consulting work experience, exposure to the working and cultural environments of an international setting, building skills for international adjustment and successful management of international assignments, networking and building potentially valuable international professional, and developing insights for future career planning within a global context.

Prerequisite: MGMT 3610.

### **MGMT 3670 Training and Development**

3 semester hours

The effective management of diversity in the workplace provides several benefits to our society, economy, and nation. The reality is

that issues around diversity have been controversial. Due to the changing of demographics, increasing global business, and technological innovations, the composition of the workforce of today and in the future will be much more diverse, and the business challenges and opportunities will be unique. The goal of diversity in the workplace and inclusion is that new faces, differing points of view, life experiences, and cultural values will be seen as attributes that help our social, economic, and government organizations achieve their goals and objectives.

Prerequisite: MGMT 3610.

### **MGMT 3680 Mentoring and Management**

3 semester hours

This course will help students increase professional skills by connecting them with a mentor. Students will be asked to formulate specific developmental goals that the mentor can provide with assistance in reaching. A broad overview to careers theory in general, and mentoring theories and practices in particular, will be provided. In addition to structured mentoring learning experiences, students will also have the opportunity to develop important work skills in planning, organizing, and managing a project. In some cases, mentors may involve protégés in projects related to their profession that will enable students to gain valuable hands-on experience. There may also be some projects available with non-profits and the First Year program on campus through collaboration with the Center for Service and Action for students and mentors to work on together. In this way, the class will embody the LMU mission of men and women in service for others. The first part of the class will be structured around addressing three basic questions: 1) Who am I? 2) What do I want (goals)? and 3) What is my plan for getting what I want and how will I give back? Students will answer each of these three questions by completing standardized assessments, undertaking a rigorous self-reflection, setting developmental goals, enhancing career-related skills, and by completing a professional development project.

Prerequisite: MGMT 3610.

### **MGMT 3697 Internship**

1 semester hour

This one-semester-hour course helps students achieve a worthwhile learning experience relevant to their career interest. The internship, conducted with an off-campus organization, and associated reflective assignments, will help students gain insights for enhancing previous classroom learning and for future career planning.

### **MGMT 4610 Leadership**

3 semester hours

This course focuses on the role of leadership and leaders in organizations. Main topics include sources and uses of power, leadership traits, leadership styles and behaviors, contingency theories, team leadership, leadership development. Lectures, discussions, case studies, videos, and experiential exercises will be part of the course.

### **MGMT 4620 Employment Law**

3 semester hours

This course provides a broad overview of federal and state employment laws, administrative agency regulations, and judicial decisions that govern the management of human resources. It provides a framework for the analysis and implementation of procedures that impact the employer-employee relationship in the workplace. Topics include the rules for proper advertising, screening, interviewing, and hiring of applicants; an analysis of the procedures that shape the training, promotion, discipline, and termination of employees; grievance handling, anti-discrimination laws, employee rights, health and safety regulations, leaves of absence, harassment prevention, regulatory compliance, and administrative adjudication of claims.

(See BLAW 4220.)

Prerequisites: BLAW 2210 and MGMT 3610.

### **MGMT 4630 International Management**

*3 semester hours*

Different economic, political, and socio-cultural environments around the world challenge managers with opportunities and risks. The goal of this course is to help students achieve a general understanding of the international business environment and evaluate the agenda facing managers operating in international business contexts.

Students will learn how national economies are intertwined as never before, competition is increasingly global, and firms have become international in their sales, production, investment, financing, and sourcing.

(See INBA 4830.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, INBA 3810, MGMT 3610.

### **MGMT 4640 Cross-Cultural Leadership**

*3 semester hours*

This course examines what constitutes "effective" leadership across cultures, including how to be an inclusive leader and how to lead culturally diverse groups. Students gain insights about leadership in particular cultures based on their research and/or personal experiences. The goal is to prepare students for leadership assignments outside their native countries and in cross-cultural teams.

Prerequisites: INBA 3810 and MGMT 3610.

### **MGMT 4650 Compensation and Rewards**

*3 semester hours*

This advanced management elective deals with such topics as wage and salary administration, benefits administration (U.S. and international), performance management, governmental and legal issues, and budgeting and administration. The course presents practical tools, methods, and a systems perspective to help students understand the role of compensation (base pay and total compensation) in human resource management. Knowledge and skill development from this course is important for future HR professionals and general managers alike. Additionally, this course examines various theories, strategies, and actual practices of employee total compensation (including employee benefits and nonfinancial rewards). A central question throughout will be about what types and forms of compensation practices best motivate and stimulate performance and commitment in the workplace.

Prerequisite: MGMT 3610.

### **MGMT 4670 Human Resources Practicum**

*3 semester hours*

Key responsibilities and competencies of human resource professionals are examined. This course provides information and professional development opportunities, including networking and other relevant field assignments to help facilitate student entry into a successful career in human resources.

Prerequisite: MGMT 3610.

### **MGMT 4671 Managing Career Success**

*3 semester hours*

It is increasingly clear that career planning and ongoing career management activities are essential to career success. Career management activities in organizations are clearly linked to employee retention and key productivity measures. To help generate experience-based insights for future career preparation and planning, this course involves a personally relevant off-campus internship or meaningful work experience of a minimum of 100 hours, regular journal recording of ongoing observations and insights, informational interviews of professional in the field, a minimum of 10 different self-assessment exercises, and an off-

campus networking assignment. Course learning culminates in the completion of a final in-depth individual report that describes insights and specific short- and long-term plans for future career management.

Prerequisite: MGMT 3610.

### **MGMT 4672 Managing a Global Workforce**

*3 semester hours*

This course helps students recognize important human resource management (IHRM) issues underlying current international and global business conditions, as well as understand key IHRM challenges and practices (e.g., cross-cultural management, managing international assignments, global talent management) relevant to effective strategic management and business development in important countries and regions of the global economy. In addition, personal competencies and international issues are examined that are relevant to students' own future careers within the global workforce.

(See INBA 4872.)

Prerequisites: BADM 1040 with a grade of C (2.0) or better, INBA 3810, MGMT 3610.

### **MGMT 4680 Employee Relations and Retention**

*3 semester hours*

Employee relations and retention are critical to the bottom line success of organizations. Employee Relations is the functional area of human resource management whose primary focus is to develop and maintain effective working relationships with employees within union and non-union environments. Whether one is an employee, manager, or human resource professional, it is critical to be familiar with the fundamental laws, policies, programs, and skills related to developing oneself and the organization's human capital.

Prerequisite: MGMT 3610.

### **MGMT 4690 Strategic Human Resource Management**

*3 semester hours*

In this course students learn from lectures, cases, and assigned readings about how the various areas of the human resource function (e.g., HR planning, staffing, training, performance management, compensation, employee relations) contribute to an organization's productivity and competitive advantage. A major emphasis is placed on how the human resource function supports effective organization strategy formulation and implementation, as the central role of all managers as HR practitioners in their daily workforce interactions and challenges.

Prerequisite: MGMT 3610.

### **MGMT 4698 Special Studies**

*1 TO 3 semester hours*

### **MGMT 4699 Independent Studies**

*1 TO 3 semester hours*

Requires approval of the Associate Dean.

## **Marketing (MRKT)**

### **MRKT 3510 Principles of Marketing**

*3 semester hours*

This course covers the essential principles of marketing as a vital component of a business operation, emphasizing marketing's strategic bases and the real-world utilization of both traditional and innovative techniques to influence both the trade and the consumer in making a purchase decision. We will focus on the effects of uncontrollable factors in the environment. In addition, basic controllable variables essential to marketing success will be examined, including marketing analysis, product decisions, pricing, distribution, and promotion. We will explore how marketing guides

business strategy, discovers and creates demand for products, and influences product development.

Prerequisites: BADM 1010 and ECON 1050 or ECON 1100, all with a grade of C (2.0) or better.

### **MRKT 3520 Marketing Analysis**

*3 semester hours*

The course will introduce students to the basic tools and concepts used for acquiring and evaluating market information. Both qualitative and quantitative approaches to analyzing consumer attitudes and behaviors will be examined, and methods for understanding trends in the marketing environment will be discussed.

Prerequisite: MRKT 3510.

### **MRKT 3521 The New World of Branding and Advertising**

*3 semester hours*

This course will immerse students in the fast-changing world of the advertising and branding industry through on-campus and off-campus exposure to industry professionals and real-life branding and advertising challenges. Throughout the course, students will work with and learn from professionals in the thriving creative and tech community. Course emphasis is on developing students' skills in creativity, collaboration, critical thinking, and communication. Content covered in the sessions includes advertising agency structure, the creative process, brand planning, media planning and strategy, the user experience, online and social media, presentation skills, and content creation.

Prerequisite: MRKT 3510.

### **MRKT 3530 Buyer Behavior**

*3 semester hours*

This course is designed to refocus the student on the buyer as the object of marketing programs. Social science concepts (from psychology, sociology, anthropology, and economics) are used to examine influences on buyer behavior, as well as to study the buyer decision process itself. Emphasis will be put on how marketers use this knowledge to develop their overall strategies.

Prerequisite: MRKT 3510.

### **MRKT 3531 Brand Planning and Strategy**

*3 semester hours*

Think about your favorite companies and their brands. What is it about them that makes them connect with you? That's what this course is all about—learning about the brand planning and strategy process. This course offers a comprehensive look at where strategic planning takes place within the overall advertising process. In doing so, it will focus on the 4Cs of strategic planning: the Company, Competition, Consumers, and (product or service) Category. It will also examine ways to develop effective campaign strategy, including knowing the product inside and out, knowing your brand's DNA, understanding your target audience, and generating insights. In addition, the course covers important branding and consumer behavior fundamentals central to the success of account strategy.

Prerequisite: MRKT 3510.

### **MRKT 3570 Marketing Law**

*3 semester hours*

The purpose of this course is to acquaint students with fundamental concepts, principles, and rules of marketing law that concern marketers and consumers in day-to-day activities, in private business relationships, and in their relationship with government. The course will focus on various legal constraints, problems and ramifications which should be recognized and addressed by marketers when making pricing, product, promotion, and distribution decisions.

(See BLAW 3270.)

Prerequisites: BLAW 2210 and MRKT 3510.

### **MRKT 3597 Internship**

*1 semester hour*

The objective of this one-semester-hour course is to help students achieve a worthwhile learning experience relevant to their major program of study. The internship, conducted with an off-campus organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

### **MRKT 3598 Special Studies**

*1 TO 3 semester hours*

### **MRKT 4510 Advertising and Promotion Management**

*3 semester hours*

This course is designed to introduce students to the field of advertising and promotion in an applied fashion. The emphasis in this course will be on the role of advertising and other promotional mix elements in the integrated marketing communications program (IMC) of an organization. The development of an integrated marketing communications program requires an understanding of the overall marketing process, how companies organize for advertising and other promotional functions, customer behavior, communications theory, and how to set goals, objectives, and budgets. Attention will be given to the various IMC tools used in contemporary marketing including advertising, direct marketing, digital and interactive marketing, social media, sales promotion, publicity and public relations, and personal selling. Students will examine the process by which integrated marketing communications programs are planned, developed, and executed as well as the various factors and considerations that influence this process. Students will also examine the environment in which advertising and promotion takes place and the various regulatory, social, and economic factors that affect an organization's IMC program.

Prerequisites: MRKT 3510, MRKT 3520, and MRKT 3530.

### **MRKT 4511 Cross-Platform Content Creation**

*3 semester hours*

Cross-platform content creation is the process by which marketing content is created to tell a brand's story (branded content) across the myriad digital, social, and traditional media. That's what this course is all about—immersing students in content creation and the distribution of that content across multiple forms of media (branded websites, YouTube, Facebook, Instagram, Snapchat, branded mobile apps, television, pop-up stores, and more). In doing so, this course offers a comprehensive look at 360° cross-platform content creation and how it fits within brand strategy. The course focuses on the foundations of content-based narratives and storytelling. The course examines ways to develop effective marketing and branded content through the lens of storytelling. The semester project involves the creation of content across different media platforms (cross-platform content) to tell a specific organization's story.

Prerequisite: MRKT 3510.

### **MRKT 4515 Managing Retail and Service Businesses**

*3 semester hours*

The U.S. economy is now dominated by the retail and services sectors. Moreover, understanding and strategically managing customer service is now becoming a critical determinant of business success or failure. Yet, most business school courses have traditionally focused on the manufacturing sector of the economy. This focuses on the marketing of service or retail businesses involving methods, strategies, and analytical tools that are distinct from those used in other areas of business. At the same time, the successful marketing of services and the delivery of excellent service are critical elements in the achievement of customer satisfaction and thus the long-term success for virtually all organizations. The purpose of this course is to provide students with an understanding and appreciation of retail and services marketing as separate and distinct areas of marketing thought and practice,

their critical roles in contemporary competitive markets, and the tools and strategies necessary for managing successful enterprises in these areas. This course is designed for students who anticipate working in retail or service businesses, or who wish to better understand how these forms of businesses are managed. The course will discuss an overarching philosophy that stresses the importance of the integration of the marketing, analytics, human resources, and operations functions within the service and retail systems.

Prerequisite: MRKT 3510.

### **MRKT 4521 Adaptive Media and Analytics**

*3 semester hours*

Because of the rapid growth and influence of advertising technology and online/social media, to remain relevant, brands must create, monitor, and adjust their message and media not by the month but by the day, by the hour, even the fraction of a second. To effectively reach and engage individuals, brands need to be agile and adapt in real time to how consumers react and respond to advertising and promotional content. This course will provide students the perspectives and tools to develop paid search (search engine optimization, or SEO) and both paid and organic social media strategies that are effective, cost efficient, adaptive, and measurable. Through this course, students will learn how analytics (monitoring, measuring, and interpreting online and social data) helps companies, brands, and organizations to better evaluate advertising and marketing performance.

Prerequisite: MRKT 3510.

### **MRKT 4525 Competitive Strategy**

*3 semester hours*

This course provides an in-depth analysis of competition and competitive strategy in the context of business from both theoretical and applied perspectives. Whereas numerous business classes discuss competitive environments, this course focuses exclusively on theories and strategies that can be used to achieve and enhance competitive advantage in the business marketplace. Competitive models, strategic metaphors, and concepts from game theory are explored in detail. Most importantly, the notions of competitive evolution and interdependence are emphasized and extensively explored. These concepts are then illustrated as they are commonly applied in the business world to enhance an enterprise's market position. Additionally, the great dangers of applying "cookbook strategies" or off-the-shelf solutions to competitive situations are explained and illustrated.

Prerequisites: MRKT 3510, MRKT 3520, MRKT 3530.

### **MRKT 4530 Sports Marketing**

*3 semester hours*

This course will introduce students to the unique nature of sports marketing at the business, league, and team levels. The course will cover the unique aspects of sports marketing and how marketing concepts such as strategic planning and segmentation apply to the business of sports. Students will be introduced to the interrelationship of integrated marketing communications and sports and develop an understanding of sports as a multi-billion dollar industry and the sports fan as an important consumer segment.

Prerequisite: MRKT 3510.

### **MRKT 4531 Creative Brand Management**

*3 semester hours*

Creative brand management lies at the intersection of three areas: 1) creative and innovative problem solving, 2) deep insights with respect to culture, trends, and technology, and 3) developing and managing brands that have deep conviction (e.g., BMW), confidence (e.g., Apple), and great founder DNA that are purpose-driven (e.g., TOMS). In this course, students will develop a tolerance and ability to thrive in the face of ambiguity; learn to survive and thrive in times

of change; learn to leverage timeless approaches to creatively managing brands and solving problems; develop foundational tools to build and grow relevant, purpose-driving brands; and cultivate their own personal brands.

Prerequisite: MRKT 3510.

### **MRKT 4535 Public Policy and Marketing**

*3 semester hours*

This course is designed to explore the interaction between marketing strategies/processes and governmental policies designed to manage the economy and promote public and consumer welfare. Topics covered will include the roles of various governmental agencies (such as the FDA, the CPSC, and the EPA) and the roles of private actions such as boycotts and consumer activism in influencing business decisions and practices. The course will often take an historical approach, examining the advancement of U.S. public policy toward business as societal values and economic conditions have evolved in this country. Specific topics addressed include consumer rights and protection, environmental sustainability, vulnerable consumers, regulatory failures and regulatory capture, trade-offs among various stakeholders, ethical dilemmas, and the marketing of potentially harmful or controversial products such as firearms, tobacco, and alcohol.

Prerequisite: MRKT 3510.

### **MRKT 4540 Professional Selling**

*3 semester hours*

An examination of the sales function, encompassing the broad range of methods that sales professionals may employ to build marketing relationships. Steps in the selling process will be explored, including techniques for engaging customers, identifying needs, handling objections, negotiating, requesting orders, and developing and maintaining long term relationships. A particular emphasis will be placed on the role of technology in contemporary sales activities.

Prerequisite: MRKT 3510.

### **MRKT 4545 New Product Development**

*3 semester hours*

The development of new products represents one of the most promising avenues by which firms can maintain and expand their market position in today's dynamic markets. The course provides a practical introduction to the process of designing and marketing new products covering the major phases of product development and launch. Critical steps in the new product development process will be discussed in detail, including: opportunity identification and analysis, concept development and testing, product design and pre-market testing and forecasting, and the management of the product launch. The focus of this class is upon the marketing function. Thus, the class will concentrate on market measurement, the use of that information to develop the benefit targets for the new product, and the ultimate development of marketing mixes (product, price, place, promotion) that will improve the chances for success. The class will provide techniques that combine the marketing function with the functions of R&D, design engineering, and manufacturing. The course will be important to students who aim to work directly in brand or product management as well as those whose interests are in general management and consulting.

Prerequisites: MRKT 3510, MRKT 3520, and MRKT 3530.

### **MRKT 4550 Brand Management**

*3 semester hours*

The objective of this course is to learn the decision-making processes used by product or brand managers with primary responsibility for the market success of the company's products and services, including environmental scanning and coordination of marketing activities for the firm's offerings.

Prerequisite: MRKT 3510.

**MRKT 4555 Business-to-Business Marketing**

3 semester hours

In the business market, the customers are organizations (e.g., businesses, governments, and institutions), and these customers represent a huge market opportunity. While we think of companies like Procter & Gamble, Sony, or Ford as sellers, they are also organizational buyers that annually purchase enormous quantities of raw materials and manufactured component parts; they purchase supplies and business services regularly to support operations, and they make large investments in building, equipment, and information technology. It's important to know that building and maintaining a close relationship with an organizational buyer require careful attention to details, meeting promises, creativity, and swiftly responding to changing demands.

Prerequisite: MRKT 3510.

**MRKT 4560 Supply Chain Management and Logistics**

3 semester hours

This course takes a look at the front-end functions of marketing planning, logistical planning, business relationships, networking, and the marketing benefits of business collaboration inherent in the dynamic channels of distribution used in a global business environment.

Prerequisites: MRKT 3510, MRKT 3520, MRKT 3530.

**MRKT 4565 The Psychology of Selling and Consuming**

3 semester hours

As a field of social science, psychology embodies a diverse array of theoretical "schools of thought," which vary significantly in their fundamental explanations for human thought and behavior. From a business perspective, these contrasting explanations have widely different (and often contradictory) implications for how marketing strategies should best be crafted and implemented. This course examines consumer thought and action from six different explanatory perspectives, including cognitive psychology, social psychology, classical behaviorism, radical behaviorism, motivational/psychoanalytic psychology, and humanistic/gestalt psychology. Then, the different implications of each interpretation for marketing and advertising strategy are explored and discussed.

Prerequisite: MRKT 3510.

**MRKT 4570 Pricing Goods and Services**

3 semester hours

The focus of this course is upon the function of price as a driver of profit. Particular attention will be given to the roles of customers, costs, and competitors as key concerns when developing pricing strategies. All aspects of pricing within the marketing and business environment will be examined, including theories and models of pricing strategy, and common pricing techniques used in contemporary business practice.

Prerequisites: ACCT 2110, ACCT 2120, both with a grade of C (2.0) or better; MRKT 3510, MRKT 3520, MRKT 3530.

**MRKT 4580 Marketing and Society**

3 semester hours

This course examines the roles individuals play in society and the economy through the acts of shopping, consuming, discussing, displaying, and disposing of goods and services. In addition, the processes by which organizations conceptualize, reinforce, and exploit these roles in the marketing of goods and services will be examined.

Prerequisite: MRKT 3510.

**MRKT 4597 Marketing Strategy in the Global Environment**

3 semester hours

This course provides a comprehensive framework for the development of competitive marketing strategies that achieve organizational objectives and build competitive advantage. It

teaches students the fundamentals of strategic analysis and strategy development within the context of the global business environment. The course emphasizes the major analytical, ethical, and strategic frameworks of marketing, as specifically implemented within the complex contemporary conditions of global business relationships and activities. The course incorporates experiential learning, case studies, and a simulation project.

Must be taken in residence at LMU with senior standing.

College of Business Administration students only.

Prerequisites: BADM 1040 with a grade of C (2.0) or better; MRKT 3510, MRKT 3520, MRKT 3530.

**MRKT 4598 Special Studies**

1 TO 3 semester hours

**MRKT 4599 Independent Studies**

1 TO 3 semester hours

Requires approval of the Associate Dean.

**Music (MUSC)****MUSC 101 Studio Class**

0 semester hours

Recital class for music majors and minors enrolled in applied lessons, including composition lessons.

May be repeated for degree credit.

**MUSC 102 Enjoyment of Music**

3 semester hours

An overview of the evolution of Western Art music from the era of Gregorian Chant to modern times. Focus is on style periods and the contributions of the great composers. Concert attendance required. Non-majors and non-minors only.

**MUSC 104 Fundamentals of Music**

3 semester hours

Practical study of the rudiments of music—notation, rhythm, keys, scales, and terminology, with the object of attaining and applying a basic musical literacy. Concert attendance required.

Non-majors and non-minors only.

Lab fee.

University Core fulfilled: Explorations: Creative Experience.

**MUSC 105 The Vocal Experience**

3 semester hours

Exploration of the basic techniques of singing with emphasis on the expressive elements inherent in simple vocal literature; study of fundamental musical elements—rhythm, melody, key structures, notation—leading to successful sight singing.

University Core fulfilled: Explorations: Creative Experience.

**MUSC 106 The Guitar Experience**

3 semester hours

Exploration of the basic technique of performing on the guitar including 1) learning to read music, 2) chords and styles of accompaniment, and 3) the preparation of solo pieces.

University Core fulfilled: Explorations: Creative Experience.

**MUSC 107 The Piano Experience**

3 semester hours

Exploration of the basic techniques of performing piano literature; study of fundamental musical elements—rhythm, melody, key structures, notation, and reading music.

Lab fee.

University Core fulfilled: Explorations: Creative Experience.

**MUSC 121 Music Theory and Form I**

3 semester hours

Introduction to the fundamentals of functional tonal harmony, basic musical terminology and notation, figured bass, and diatonic harmonic progression and voice leading.  
Corequisite: MUSC 133.

### **MUSC 122 Music Theory and Form II**

3 semester hours

Continuation of MUSC 121, introducing cadences, non-chord tones, 7th chords, chromatic harmony and voice leading (secondary chords), and various types of modulation. Also includes an introduction to formal analysis through the study of period and other phrase structures.

Prerequisite: MUSC 121.

Corequisite: MUSC 134.

### **MUSC 133 Aural Skills I**

1 semester hour

Developing of the aural skills of sight singing, audiation and pitch discrimination leading to the ability to take musical dictation from simple to intermediate levels involving melody, rhythm and meter, chords in root position, and cadential harmony. Includes Computer Assisted Instruction (CAI).

Corequisite: MUSC 121.

### **MUSC 134 Aural Skills II**

1 semester hour

Continuation of MUSC 133, further developing the ability to take musical dictation from intermediate to advanced levels involving tonal, modal, and atonal melody, rhythm and meter, all chord types including inversions, and functional harmonic progression.

Continuation of CAI.

Prerequisite: MUSC 133.

Corequisite: MUSC 122.

### **MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice**

1 semester hour

First semester of private applied lessons in the major/minor.

Corequisite: MUSC 101.

### **MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice**

1 semester hour

Second semester of private applied lessons in the major/minor.

Prerequisite: MUSC 180.

Corequisite: MUSC 101.

### **MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice**

1 semester hour

First year of private applied lessons for non-majors, non-minors (repeatable credit).

Applied music fee.

Permission of instructor required.

### **MUSC 196 Global Popular Music and American Diversity**

3 semester hours

Scholarly texts, interactive lectures, and guided musical analysis explore connections between global popular music and American diversity including issues of race and ethnicity, social class, sexuality and gender, aesthetics, ideology, and history. The course engages theories and methods drawn from ethnomusicology, multicultural studies, and popular music studies.

University Core fulfilled: Foundations: Studies in American Diversity.

### **MUSC 198 Special Studies**

1 TO 3 semester hours

### **MUSC 199 Independent Studies**

1 TO 3 semester hours

### **MUSC 221 Music Theory and Form III**

3 semester hours

Introduction to modal species counterpoint, fugal process, fundamentals of formal analysis, binary and ternary forms, and further chromatic harmony and voice-leading, including borrowed chords, the Neapolitan, and augmented 6th chords.

Prerequisite: MUSC 122.

University Core fulfilled: Flag: Quantitative Reasoning.

### **MUSC 222 Music Theory and Form IV**

3 semester hours

Introduction to song forms, rondo and sonata forms, and further chromatic harmony, including chromatic mediant relationships and enharmonic modulation. Introduction to 20th century concerns, including modality, atonality, Impressionism, Expressionism, polyrhythm and polytonality, serial techniques, minimalism, and improvisation and chance.

Prerequisite: MUSC 221.

University Core fulfilled: Flag: Quantitative Reasoning.

### **MUSC 235 Instrumentation**

2 semester hours

An introduction to the woodwind, brass, string, and percussion families of instruments, including the study of instrumental ranges, transpositions, and techniques. The articulative, dynamic, and timbral characteristics of each instrument are also explored. To these ends the course utilizes live demonstrations, music notation software, and short orchestration projects.

Prerequisite: MUSC 122.

### **MUSC 280 Guitar, Percussion, Piano, Strings, Voice**

1 semester hour

Third semester of private applied lessons in the major.

Prerequisite: MUSC 181.

Corequisite: MUSC 101.

### **MUSC 281 Guitar, Percussion, Piano, Strings, Voice**

1 semester hour

Fourth semester of private applied lessons in the major.

Prerequisite: MUSC 280.

Corequisite: MUSC 101.

### **MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice**

1 semester hour

Second year of private applied lessons for non-majors (repeatable credit).

Applied music fee.

Permission of instructor required.

### **MUSC 303 Introduction to World Music Cultures**

3 semester hours

An introductory-level survey of art, traditional, and regional popular music, chosen from the Near East, South Asia, Indonesia, and East Asia. Class lectures and discussion focus upon readings and guided listening. Some in-class performance.

### **MUSC 304 Topics in World Music Cultures**

3 semester hours

An intermediate-level survey of art, traditional, and regional popular music, chosen from Africa, the Americas, and Oceania. Class lectures and discussion emphasize coherences between music and culture. Some musical analysis.

Prerequisite: MUSC 303.

### **MUSC 307 Choral Literature**

3 semester hours

An exploration of 17th through 21st century choral literature with an emphasis on principal composers and performance practice through

the study of scores, comparative listening to recordings, and reading material.

Prerequisite: MUSC 332.

**MUSC 308 Orchestral Literature**

*3 semester hours*

An exploration of 18th through 21st century orchestral literature with an emphasis on principal composers and performance practice through the study of scores, reading material, and comparative listening to recordings. Developments in orchestration, style, and form, as well as socio-historical contexts are also considered.

Prerequisite: MUSC 333.

**MUSC 310 Instrumental Pedagogy**

*3 semester hours*

Research, concepts, and methodology common to the teaching of instruments.

Prerequisite: MUSC 222.

**MUSC 316 Music History: Antiquity to 1600**

*3 semester hours*

A historical survey of Western music traditions from antiquity through the Renaissance (1600). Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisite: MUSC 221.

University Core Fulfilled: Flags: Information Literacy, Writing.

**MUSC 317 Music History: 1600-1820**

*3 semester hours*

A continuation of the historical survey of Western music traditions from the Baroque Era (1600) through the Classic Era (1820). Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisites: MUSC 221 and MUSC 316.

University Core fulfilled: Flag: Oral Skills.

**MUSC 318 Music History: 1820 to Present**

*3 semester hours*

A continuation of the historical survey of Western music traditions from the beginnings of Romanticism through the milieu of twentieth-century music, concluding with current practices and trends. Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisites: MUSC 221 and MUSC 317.

University Core fulfilled: Flags: Information Literacy, Writing.

**MUSC 319 Analytic Techniques**

*3 semester hours*

The study of concerto and variation forms, tonal pairing and other 19th century developments, and an introduction to linear-graphic analysis and set theory.

Prerequisite: MUSC 222.

University Core fulfilled: Flag: Quantitative Reasoning.

**MUSC 322 Modal Counterpoint**

*3 semester hours*

Introduction to the style of sixteenth-century counterpoint, as exemplified by the vocal works of Palestrina. Topics covered include species counterpoint, the setting of Latin texts, and techniques of mass composition.

Prerequisite: MUSC 221.

**MUSC 323 Tonal Counterpoint**

*3 semester hours*

Introduction to the style of eighteenth-century counterpoint, as exemplified by the instrumental works of J.S. Bach. Techniques and

procedures covered include species counterpoint, canon, invention, and fugue.

Prerequisite: MUSC 221.

**MUSC 328 Choral Methods I**

*2 semester hours*

Practical aspects of choral techniques ranging from the audition through the working rehearsal with emphasis on development of choral tone, phrasing, articulation, dynamics, blend, and balance, as well as selection of repertoire.

Prerequisites: MUSC 281 (Voice), MUSC 332, and MUSC 491, MUSC 493, or MUSC 495.

Corequisite: MUSC 491, MUSC 493, or MUSC 495.

**MUSC 330 Score Reading I**

*2 semester hours*

Score reading preparation of concert and transposed musical scores involving two through six parts including the use of multiple clefs.

Prerequisite: MUSC 333.

**MUSC 331 Score Reading II**

*2 semester hours*

Score reading preparation of concert and transposed scores involving seven or more diverse instrumentations including the use of multiple clefs.

Prerequisite: MUSC 330.

**MUSC 332 Choral Conducting**

*2 semester hours*

Basic conducting skills, technical and expressive uses of the conducting gesture, methods of verbal and non-verbal communication appropriate to a choral ensemble.

**MUSC 333 Instrumental Conducting**

*2 semester hours*

Basic conducting skills, technical and expressive uses of the conducting gesture, and methods of communication appropriate to an instrumental ensemble.

Prerequisite: MUSC 235.

**MUSC 340 Diction for Singers I**

*1 semester hour*

Development and refinement of enunciation and performing skills in English, Italian, and Latin. An extensive working knowledge of the International Phonetic Alphabet will be acquired.

Major or minor required.

**MUSC 341 Vocal Pedagogy**

*3 semester hours*

Study of the physiology and acoustics of the voice and its application to singing and to the teaching of singing.

Major or minor required.

**MUSC 342 Diction for Singers II**

*1 semester hour*

Continuation of MUSC 340; emphasis on German and French.

Prerequisite: MUSC 340.

**MUSC 343 Opera Scenes/Workshop**

*1 TO 2 semester hours*

Preparation of scenes from major operas in either staged or concert versions, and study of the complete works to aid singers in establishing context and characterization. For repeated credit, students will develop new stylistic understanding by undertaking musical and/or theatrical challenges not addressed in previous roles. May be repeated for degree credit (maximum 12 semester hours).

**MUSC 344 Alexander Technique**

2 semester hours

Basic skills of coordinated movement appropriate to stage work for vocalists and instrumentalists. Exploration of the elements of poise, postural habits, and style based on principles developed by F.M. Alexander.

Major or minor required.

May be repeated for degree credit (maximum 4 semester hours).

### **MUSC 354 World Music Practicum I**

0 TO 1 semester hour

Practice of techniques and aural skills that are integral to Indonesian music. In the course of multiple semesters, students will expand their knowledge of repertoires and range of performance skills.

Corequisite: MUSC 454.

May be repeated for degree credit (maximum 4 semester hours).

### **MUSC 355 World Music Practicum II**

0 TO 1 semester hour

Practice of techniques and aural skills that are integral to Indonesian and West African music. In the course of multiple semesters, students will expand their knowledge of repertoires and range of performance skills.

Corequisite: MUSC 455.

May be repeated for degree credit (maximum 4 semester hours).

### **MUSC 365 History of Jazz**

3 semester hours

A survey of the origins and major style periods of jazz from the antebellum era to the present. Listening assignments emphasize the ways in which specific musical features reflect currents of history and culture.

### **MUSC 366 History of Rock**

3 semester hours

Evolution of rock and roll from its African-American origins to the present.

### **MUSC 367 History of Popular Music**

3 semester hours

Survey of the musical and cultural history of the diverse styles and artists associated with popular music. Exploration will range from rock to blues to hip hop to heavy metal to country. The course will consider the social, political, and cultural themes that influence and are influenced by music.

### **MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition**

1 semester hour

Fifth semester of private applied lessons in the major.

Prerequisites: MUSC 222 and MUSC 281.

Corequisite: MUSC 101.

### **MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition**

1 semester hour

Sixth semester of private applied lessons in the major.

Prerequisites: MUSC 222 and MUSC 380.

Corequisite: MUSC 101.

### **MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice**

1 semester hour

Third year of private applied lessons for non-majors (repeatable credit).

Applied music fee.

Permission of instructor required.

### **MUSC 387 Music Composition I**

1 semester hour

The composition of original instrumental and vocal works for solo performers and small ensembles employing structures such as binary, ternary, and song forms.

Prerequisite: MUSC 222.

### **MUSC 388 Music Composition II**

1 semester hour

Continuation of MUSC 387.

Prerequisite: MUSC 387.

### **MUSC 396 Sociology of Music**

3 semester hours

Analysis of rock 'n' roll, jazz, pop, European classical music, and global musics through the lens of sociology to examine how musical genres reflect and influence social thought and behavior by reinforcing and/or challenging constructions of race and ethnicity, class, and gender and sexuality.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **MUSC 398 Special Studies**

1 TO 3 semester hours

### **MUSC 399 Independent Studies**

1 TO 3 semester hours

\*MUSC 398 and 399 may not be designated to stand in lieu of a course in the Music curriculum, except by permission of the Chairperson.

### **MUSC 407 Research and Methods in Ethnomusicology**

1 semester hour

A survey of the essential literature of ethnomusicology; introduction to field methods, transcription, and analysis.

Prerequisites: MUSC 303 and MUSC 304 with grades for these courses averaging B+ (3.3) or higher.

### **MUSC 412 Pre-Renaissance and Renaissance Music**

3 semester hours

The study of the major musical figures and their representative works from the chants of the early Christian church to the Baroque Era.

Prerequisites: MUSC 316, MUSC 317, and MUSC 318.

### **MUSC 413 Music of Baroque**

3 semester hours

Composers, music, and practices from 1600 to 1750 with emphasis on historical development culminating in the works of G.F. Handel and J.S. Bach.

Prerequisites: MUSC 316, MUSC 317, and MUSC 318.

### **MUSC 414 Music of the Classical Era**

3 semester hours

Composers, music, and practices from 1750 to 1827 with emphasis on historical developments of musical trends through the works of Gluck, Haydn, Mozart, Beethoven, and Schubert.

Prerequisites: MUSC 316, MUSC 317 and MUSC 318.

### **MUSC 415 Music of the Romantic Age**

3 semester hours

Composers, music, and musical developments from the death of Beethoven through the end of the nineteenth century.

Prerequisites: MUSC 316, MUSC 317, and MUSC 318.

### **MUSC 416 Music of the Twentieth-Century Era**

3 semester hours

Composers, music, trends, and musical arts-related developments

from the close of the nineteenth century through contemporary practices.

Prerequisites: MUSC 316, MUSC 317, and MUSC 318.

**MUSC 428 Choral Methods II**

*1 semester hour*

Continuation of MUSC 328.

Prerequisite: MUSC 328.

**MUSC 432 Advanced Choral Conducting**

*2 semester hours*

Application of concepts and fundamentals experienced in MUSC 332, development and application of interpretive conducting skills through study of choral works representing the major style periods.

Prerequisite: MUSC 332.

**MUSC 433 Advanced Instrumental Conducting**

*2 semester hours*

Application of concepts and fundamentals experienced in MUSC 333, development and application of interpretive conducting skills through major orchestral works.

Prerequisite: MUSC 333.

**MUSC 435 Instrumental Conducting Practicum**

*2 semester hours*

Preparation and application of conducting skills with a departmental instrumental ensemble resulting in a recital performance appearance as a student conductor.

Prerequisite: MUSC 433.

**MUSC 445 Choral Practicum**

*1 semester hour*

In-depth study of choral rehearsal practices resulting in a senior project or conducting recital.

Prerequisite: MUSC 432.

**MUSC 446 Orchestral Techniques Practicum**

*1 semester hour*

In-depth study of orchestral rehearsal practices resulting in a senior project or conducting recital.

Prerequisite: MUSC 433.

**MUSC 450 Senior Project/Recital**

*1 semester hour*

Preparation and presentation of a solo performance in a student recital format.

Permission of Applied instructor, advisor, and Chairperson required.

**MUSC 454 World Music Ensembles I**

*0 OR 1 semester hour*

Practice and performance of music for Balinese gamelan. Repertoire includes both new and traditional compositions. In the course of multiple semesters, students will expand their knowledge of repertoires and range of performance skills.

Audition after enrollment.

Corequisite: MUSC 354.

May be repeated for degree credit (maximum 4 semester hours).

**MUSC 455 World Music Ensembles II**

*0 OR 1 semester hour*

Practice and performance of music for Balinese gamelan and Ghanaian (West African) ensemble drumming. Repertoire includes both new and traditional compositions. In the course of multiple semesters, students will expand their knowledge of repertoires and performance skills.

Audition after enrollment.

Corequisite: MUSC 355.

May be repeated for degree credit (maximum 4 semester hours).

**MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition**

*1 semester hour*

Seventh semester of private applied lessons in the major.

Prerequisites: MUSC 222 and MUSC 381.

Corequisite: MUSC 101.

**MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition**

*1 semester hour*

Eighth semester of private applied lessons in the major.

Prerequisites: MUSC 222 and MUSC 480.

Corequisite: MUSC 101.

**MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice**

*1 semester hour*

Fourth year of private applied lessons for non-majors (repeatable credit).

Applied music fee.

Permission of instructor required.

**MUSC 487 Music Composition III**

*1 semester hour*

The composition of original instrumental and vocal works for large ensembles employing extended structures such as sonata, rondo, variation, and concerto forms.

Prerequisite: MUSC 388.

**MUSC 488 Music Composition IV**

*1 semester hour*

Continuation of MUSC 487.

Prerequisite: MUSC 487.

**MUSC 489 Chamber Orchestra Practicum**

*0 TO 1 semester hour*

Chamber orchestra sectional rehearsals for high strings/low strings focusing on techniques of bowing, strokes and articulation, fingering, and intonation.

Corequisite: MUSC 490.

Credit/No Credit grading.

May be repeated for degree credit (maximum 8 semester hours).

**MUSC 490 Chamber Orchestra**

*0 OR 1 semester hour*

Offers students and members of the community instruction in orchestral music through the study and performance of quality literature representing a variety of style periods and musical genre.

Over the course of multiple semesters, students will develop increased ensemble skills, technical proficiency, and stylistic understanding.

Audition after enrollment.

Corequisite: MUSC 489.

May be repeated for degree credit (maximum 8 semester hours).

**MUSC 491 Consort Singers**

*0 OR 1 semester hour*

Smaller, more advanced choral ensemble provides an opportunity for students to perform challenging choral literature from a wide range of composers and styles. Previous choral experience is required. Through the study and performance of new and different repertoire, students who repeat the course over multiple semesters will develop increased ensemble skills, vocal proficiency, and stylistic understanding.

Audition after enrollment.

May be repeated for degree credit (maximum 8 semester hours).

**MUSC 492 Chamber Music Ensembles**

0 OR 1 semester hour

To gain an understanding of and to develop the skills necessary for small ensemble playing (includes guitar, string, piano, and percussion ensembles). Over the course of multiple semesters, students will develop increased ensemble skills, technical proficiency, and stylistic understanding.

Audition after enrollment; permission of instructor required (piano ensembles).

May be repeated for degree credit (maximum 8 semester hours.)

### **MUSC 493 Women's Chorus**

0 OR 1 semester hour

The ensemble explores and performs choral repertoire drawn from a variety of styles but written specifically for treble voices. Through the study and performance of new and different repertoire, students who repeat the course over multiple semesters will develop increased ensemble skills, vocal proficiency, and stylistic understanding.

Audition after enrollment.

May be repeated for degree credit (maximum 8 semester hours.)

### **MUSC 494 Men's Chorus**

0 OR 1 semester hour

The ensemble explores and performs choral literature for male voices.

Audition after enrollment.

May be repeated for degree credit.

### **MUSC 495 Concert Choir**

0 OR 1 semester hour

The large choral ensemble offers students and members of the community instruction in choral music with an emphasis on vocal development during the study and performance of quality literature representing a variety of style periods and music genres. Through the study and performance of new and different repertoire, students who repeat the course over multiple semesters will develop increased ensemble skills, vocal proficiency, and stylistic understanding.

Audition after enrollment.

May be repeated for degree credit (maximum 8 semester hours.)

### **MUSC 496 Theory Placement Practicum**

0 TO 2 semester hours

Review of selected topics from Music Theory and Form I-IV and techniques of preparation for theory placement examinations required by music graduate schools.

Credit/No Credit grading.

### **MUSC 497 Musicology Placement Practicum**

0 OR 1 semester hour

Techniques of preparation for musicology placement examinations required for entrance into music graduate school programs.

### **MUSC 498 Special Studies**

1 TO 3 semester hours

### **MUSC 499 Independent Studies**

1 TO 3 semester hours

\*MUSC 498 and 499 may not be designated to stand in lieu of course content addressed by another course in the music curriculum, except by permission of the Chairperson.

## **Philosophy (PHIL)**

### **PHIL 1800 Philosophical Inquiry**

4 semester hours

An introductory exploration of central questions and interpretations of human existence, with special emphasis on theory of knowledge

and theory of reality, carried on in light of the Catholic intellectual tradition.

University Core fulfilled: Foundations: Philosophical Inquiry.

### **PHIL 1998 Special Studies**

1 TO 4 semester hours

### **PHIL 1999 Independent Studies**

1 TO 4 semester hours

### **PHIL 2010 Symbolic Logic**

4 semester hours

An introduction to the techniques of modern mathematical logic, including proofs relying on the logic of truth-functions and quantifiers and their application to arguments in English. No mathematical training presupposed. Required for Philosophy majors.

University Core fulfilled: Flag: Quantitative Reasoning.

### **PHIL 2350 Philosophy and Film**

4 semester hours

An investigation of the philosophical use of the film medium and an examination of particular philosophical ideas portrayed in films.

### **PHIL 2910 Philosophy Proseminar**

4 semester hours

An introduction to philosophic research and dialogue through the examination of a philosophic issue or thinker in a seminar setting. Open to freshman and sophomore majors.

### **PHIL 2998 Special Studies**

1 TO 4 semester hours

### **PHIL 2999 Independent Studies**

1 TO 4 semester hours

### **PHIL 3010 Advanced Symbolic Logic**

4 semester hours

Continuation of symbolic logic techniques, with emphasis on modal and multi-value logics; metalogical considerations of syntax, semantics, and proofs; and questions/issues of philosophical logic and the philosophy of logic.

Prerequisite: PHIL 2010.

### **PHIL 3100 The Good Life**

4 semester hours

A study of the questions which a person must ask, and the answers one must consider, in forming an intelligent philosophy of moral choice, carried on in the light of the Catholic intellectual tradition.

University Core fulfilled: Integrations: Ethics and Justice.

### **PHIL 3105 Ethics of Love and Marriage**

4 semester hours

A careful study of the ethical dimensions of friendship, love, marriage, and commitment.

University Core fulfilled: Integrations: Ethics and Justice.

### **PHIL 3110 Environmental Ethics**

4 semester hours

The study of moral and ethical issues as they relate to the environment and nonhuman nature. Specific topics and foci vary from semester to semester.

University Core fulfilled: Integrations: Ethics and Justice.

### **PHIL 3112 Environmental Virtue Ethics**

4 semester hours

This course is a sustained reflection on the nature of virtue and its role in the flourishing of individual humans, social groups, and the environment. Specific foci may vary, but the course will emphasize

the tradition of virtue ethics—including by contrast with other ethical approaches and theories—brought to bear on environmental issues. University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

**PHIL 3115 Ethics for Engineering and Science**

*4 semester hours*

A study of the ethical issues that arise in the fields of science and engineering, focusing on examples such as the *Challenger* disaster and the decisions that led up to it.

Restricted to majors in the Frank R. Seaver College of Science and Engineering.

University Core fulfilled: Integrations: Ethics and Justice.

**PHIL 3120 Business Ethics**

*4 semester hours*

A study of the ethical issues that arise in the field of business.

University Core fulfilled: Integrations: Ethics and Justice.

**PHIL 3125 Media Ethics**

*4 semester hours*

An exploration of the ethical challenges of professionals working in the media and communications industries, providing strategies for students to assess ethical dilemmas in business and creative decisions in film, television, popular music, news, public relations, and advertising professions.

University Core fulfilled: Integrations: Ethics and Justice.

**PHIL 3130 Ethics for Service Organization Members**

*4 semester hours*

An introduction to central approaches to moral philosophy and an exploration of the moral justification for the value of service, addressing social justice issues that arise in students' service placements.

The course is only open to current members of LMU's service organizations.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Engaged Learning.

**PHIL 3135 Bioethics**

*4 semester hours*

A careful study of the ethical issues that arise in the field of medicine, such as abortion, euthanasia, physician-assisted suicide, and distribution of medical resources and care.

**PHIL 3140 Ethics and Education**

*4 semester hours*

A look at the ethical and justice-related issues posed by the institutions of public and private education in modern democracies, with special focus on education in America.

**PHIL 3145 Topics in Applied Ethics**

*4 semester hours*

An in-depth study of a contemporary ethical issue.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

**PHIL 3150 Contemporary Moral Problems**

*4 semester hours*

A study from the perspective of ethical theory of selected moral problems of contemporary interest and significance.

**PHIL 3160 Political Philosophy**

*4 semester hours*

A philosophical analysis of the purposes and functions of the political state, including an analysis of the limits of political authority.

Course content may vary from historical surveys (of, for example,

Hobbes, Locke, Hume, Rousseau, Mill) to in-depth treatments of specific schools of political theory.

University Core fulfilled: Integrations: Ethics and Justice.

**PHIL 3165 Philosophy of Law**

*4 semester hours*

A philosophical analysis of the rule of law and the operation of contemporary legal systems. Topics will include the nature of law and legal obligations, the relation between law and morality, and the criteria for ascribing both civil and criminal (legal) liability.

**PHIL 3170 Feminist Philosophy**

*4 semester hours*

A survey of the political, epistemological, and metaphysical questions raised for philosophy as traditionally conceived by the claim that sex and/or gender should play a significant role in its self-understanding.

**PHIL 3180 raceSEXgender**

*4 semester hours*

This course examines the reality of racial, gender, and sexual identities, the intersections and co-determinations of such identities, and the forms of subjectivity created as a result of racism, sexism, and heterosexism.

University Core fulfilled: Foundations: Studies in American Diversity; Flag: Engaged Learning.

**PHIL 3200 Philosophy of Science**

*4 semester hours*

A study of the nature of science, with special attention to the history of science, contemporary scientific developments, and scientific method.

**PHIL 3210 Philosophy of Biology**

*4 semester hours*

A critical examination of central philosophical issues and controversies in the life sciences.

**PHIL 3220 Environmental Philosophy**

*4 semester hours*

A study of the fundamental issues associated with the human relationship to the natural world. Specific topics will vary from semester to semester.

**PHIL 3300 Aesthetics**

*4 semester hours*

A philosophical analysis of beauty. Course content may vary from historical surveys to in-depth treatments of specific schools of aesthetic theory.

**PHIL 3310 Aesthetics in Catholic Tradition**

*4 semester hours*

A survey of aesthetic theories from the Catholic tradition, their application to religious and non-religious works of art, and a consideration of the role of the arts and imagination in Catholic intellectual life and spirituality.

**PHIL 3320 Philosophy and the Arts**

*4 semester hours*

A study of the meaning of art and what it can tell us about human beings, the nature of artistic intuition, and the creative process.

**PHIL 3330 Philosophy and Literature**

*4 semester hours*

An investigation of the philosophical use of literature and an examination of philosophical ideas portrayed in a variety of literary works, which may include plays, novels, autobiographies, and short stories.

**PHIL 3340 Philosophy and Culture**

*4 semester hours*

A study of cultural forms as carriers of meaning and value. Topics may vary from year to year and could include analysis of cultural modes of expression, their interpretation and their origins, cultural pluralism, cultural relativism, and the notion of the transcultural.

**PHIL 3400 Philosophy of Religion**

*4 semester hours*

A philosophical investigation of the issues surrounding religion and religious beliefs. Possible topics will include: religious language, problem of evil, immortality, theism, and atheism. University Core fulfilled: Integrations: Faith and Reason.

**PHIL 3410 Philosophy of God**

*4 semester hours*

An exploration of the debate regarding concepts of God and the arguments for and against God's existence. This course examines the contributions of both classical and contemporary schools of thought to the debate.

**PHIL 3420 Philosophy and Christianity**

*4 semester hours*

An exploration of central philosophical issues that arise in Christian life—understood as pilgrimage. What is happiness? How does one integrate the immanent and the transcendent? How does Christian praxis relate to the political sphere? University Core fulfilled: Integrations: Faith and Reason.

**PHIL 3510 Ancient Philosophy**

*4 semester hours*

A study of pre-Socratic thought, Plato, and Aristotle. Part of the history sequence for majors.

**PHIL 3520 Medieval Philosophy**

*4 semester hours*

A study of the major philosophical movements from Augustine to Ockham. Part of the history sequence for majors. University Core fulfilled: Integrations: Faith and Reason.

**PHIL 3530 Modern Philosophy I**

*4 semester hours*

A study of 17th century Rationalism and 18th century Empiricism, including Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume. Part of the history sequence for majors.

**PHIL 3540 Modern Philosophy II**

*4 semester hours*

A study of Kant and post-Kantian developments, including 19th century German Idealism. Part of the history sequence for majors.

**PHIL 3565 Chinese Philosophy**

*4 semester hours*

An introduction to Chinese Philosophy, its subject matter and methodologies, with special attention to the six philosophical schools and some fundamental philosophical concepts and persistent issues that arise in the development of the Chinese philosophical tradition.

**PHIL 3610 The Analytic Tradition**

*4 semester hours*

An examination of some of the most influential philosophers whose work constitutes the Anglo-American tradition of the 20th century, including Frege, Russell, G.E. Moore, Wittgenstein, the Logical Positivists, the Ordinary Language Philosophers, and several contemporary post-analytic philosophers.

**PHIL 3640 Existentialism**

*4 semester hours*

A study of 20th-century European existential philosophy and its 19th-century forerunners.

**PHIL 3998 Special Studies**

*1 TO 4 semester hours*

**PHIL 3999 Independent Studies**

*1 TO 4 semester hours*

**PHIL 4175 Images of Women in Philosophy**

*4 semester hours*

An exploration of the understanding of women and human nature in the various philosophical traditions.

**PHIL 4355 Meditative Gaze: Dao and Film**

*3 semester hours*

This course brings two distinctive disciplines, philosophy and film theory together into a coherent discourse. The focus of the class is on the philosophical question most often posed as the mind-body problem and the various ways that media texts have addressed and articulated this issue, specifically through the adoption of a meditative gaze as a philosophically charged stylistic approach. University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**PHIL 4430 Personalism**

*4 semester hours*

An exploration of the nature of personhood and its implications for building a just society. Major personalist thinkers and critics—including Maritain, Mounier, Wojtyla, Weil, and Bellah—may provide a context for analysis.

**PHIL 4515 Philosophy in Late Antiquity**

*4 semester hours*

A study of major philosophical currents after Aristotle, including Neo-Platonism, Stoicism and early Christian reactions to Greek philosophy.

**PHIL 4620 Pragmatism**

*4 semester hours*

A study of 19th and 20th century pragmatism, including the philosophies of Charles Sanders Peirce, William James, and John Dewey.

**PHIL 4630 Phenomenology**

*4 semester hours*

An introduction to major themes in Husserlian phenomenology. This course will focus on such topics as intentionality, the natural and transcendental attitudes, categorial intuition, temporality, and intersubjectivity. It will draw out the classical character of phenomenology and yet show how the method responds to and overcomes particular problems of modernity.

**PHIL 4635 Phenomenology of the Self**

*4 semester hours*

An introduction to the phenomenological treatment of subjectivity and intersubjectivity, focusing on various aspects of Husserlian egology and the use of language, especially the first-person pronoun.

**PHIL 4650 Postmodernism**

*4 semester hours*

A study of 20th and/or 21st century responses to modern and/or Enlightenment philosophy. Can also include postmodern philosophical theology and philosophy of religion.

**PHIL 4660 Hermeneutics**

*4 semester hours*

A study of philosophical accounts of interpretation and the role it plays in understanding. The course may approach the field through emphasis on a particular figure (e.g., Martin Heidegger, Hans-Georg Gadamer, or Paul Ricoeur) or through a particular theme or topic (e.g., narrative identity, religion, or politics).

**PHIL 4670 Spanish Philosophy**

*4 semester hours*

An exploration of Spanish (Iberian) philosophical figures and themes, including one or more of the following thinkers: Seneca, Averroes, Maimonides, Lull, Ibn Al'Arabi, Vives, St. Teresa of Jesus, St. John of the Cross, Suarez, Unamuno, Ortega y Gasset, Zubiri, Mora, Marias, and/or Trias.

**PHIL 4680 Topics in Chinese Philosophy**

*4 semester hours*

An advanced study of patterns of philosophical thinking in Chinese intellectual tradition. The topics will focus in depth on a particular theory, problem, or text.  
May be repeated twice for degree credit.

**PHIL 4700 Major Thinkers**

*4 semester hours*

Concentrated study of a single, major philosopher.  
Repeatable for degree credit.

**PHIL 4704 Plato**

*4 semester hours*

Close study of the thought of Plato.

**PHIL 4706 Aristotle**

*4 semester hours*

Close study of the thought of Aristotle.  
University Core fulfilled: Flag: Engaged Learning.

**PHIL 4720 Aquinas**

*4 semester hours*

Close study of the thought of Thomas Aquinas.

**PHIL 4738 Kant**

*4 semester hours*

Close study of the thought of Immanuel Kant.

**PHIL 4742 Hegel**

*4 semester hours*

Close study of the thought of G. W. F. Hegel.

**PHIL 4746 Kierkegaard**

*4 semester hours*

Close study of the thought of Soren Kierkegaard.

**PHIL 4756 Heidegger**

*4 semester hours*

Close study of the thought of Martin Heidegger.

**PHIL 4762 Wittgenstein**

*4 semester hours*

Close study of the thought of Ludwig Wittgenstein.

**PHIL 4810 Metaphysics**

*4 semester hours*

An introduction to classical and contemporary metaphysics, the general theory of being. Topics often include analogy, essence and existence, matter and form, potency and act, causality, and the transcendentals.

**PHIL 4820 Epistemology**

*4 semester hours*

An introduction to the principal problems of epistemology as they appear in both classical and contemporary theories.

**PHIL 4830 Philosophy of Mind**

*4 semester hours*

An exploration of the nature of mind. Topics may vary and may include consciousness, experience, the self, the historical discovery of mind, and consideration of psychological theories of mental operations. Alternative theories will be critically examined.

**PHIL 4920 Special Topics**

*4 semester hours*

A seminar course which aims to expose students to the current research and special philosophical interests of departmental faculty. Topics vary from semester to semester.

**PHIL 4990 Senior Assessment**

*0 semester hours*

Assessment of student learning outcomes in the field of philosophy. Includes completion of survey instruments, senior exit interview, or other forms of end-of-program evaluation.  
Credit/No Credit grading only.  
Senior Philosophy majors only.  
Prerequisites: All required courses for the major in Philosophy completed or currently in progress.

**PHIL 4995 Ethics Minor Assessment**

*0 semester hours*

Assessment of student learning outcomes for the Ethics minor program. Includes completion of survey instruments, senior exit interview, and other forms of program evaluation.  
Credit/No Credit grading only.  
Senior Ethics minor program students only.  
Prerequisites: All required courses for the Ethics minor program either already completed or currently in progress.

**PHIL 4998 Special Studies**

*1 TO 4 semester hours*

**PHIL 4999 Independent Studies**

*1 TO 4 semester hours*

**PHIL 5910 Senior Project**

*4 semester hours*

A research and writing project completed under the guidance and direction of a faculty supervisor.

**PHIL 5998 Special Studies**

*1 TO 4 semester hours*

**PHIL 5999 Independent Studies**

*1 TO 4 semester hours*

**PHIL 6100 Ethics**

*3 semester hours*

A survey of major ethical theories including those of Aristotle, Kant, and Mill.

**PHIL 6110 Practical Wisdom**

*3 semester hours*

A study of Aristotle's notion of phronesis as understood by medieval thinkers.

**PHIL 6150 Social and Political Philosophy**

*3 semester hours*

A study of the interrelation of the person and community, focusing on such questions as: Is the human person, at the deepest level, a

whole rather than a part? How can we best evaluate contractarian, utilitarian, and natural law views of the common good? Does liberal individualism do justice to either the person or the common good?

**PHIL 6180 Virtue Ethics**

3 semester hours

A study of contemporary reappropriations of Aristotle by such authors as MacIntyre, Anscombe, Geach, and Porter.

**PHIL 6200 Philosophy of Science**

3 semester hours

A detailed philosophical examination of some aspect of natural science. Topics might include science and pseudoscience, scientific explanation, theoretic confirmation, laws of nature, scientific revolutions, scientific realism, and social constructivism.

**PHIL 6400 Topics in Philosophy and Religion**

3 semester hours

A study of selected topics in the philosophy of religion, such as God, faith, and reason, including an examination of both historical and contemporary discussions of these topics.

**PHIL 6410 Divine Foreknowledge and Human Free Will**

3 semester hours

A study of medieval reflection on the foreknowledge question from Augustine's *De Ordine* to Ockham's *Divine Foreknowledge and Human Freedom*, including writings of Boethius, Anselm, Aquinas, and Scotus.

**PHIL 6420 Divine and Human Willing**

3 semester hours

A study of the nature and role of the will, both human and divine, in Duns Scotus and William of Ockham.

**PHIL 6530 Early Modern Philosophy**

3 semester hours

A study of selected thinkers and themes in 17th and 18th century European philosophy, focusing on the major works of seminal philosophers such as Descartes, Spinoza, Malebranche, Pascal, Locke, Leibniz, Berkeley, and Hume. Topics may include reality, knowledge, perception, reason, causation, identity, substance, mind, and God.

**PHIL 6565 Classics of Chinese Philosophy**

3 semester hours

A study of the classic texts of the Confucian and Daoist traditions, including the *Analects*, *Mencius*, *Doctrine of the Mean*, *The Great Learning*, *Daodejing*, *Zhuangzi*, and *The Art of War*.

**PHIL 6590 American Philosophy**

3 semester hours

A study of issues and movements in American Philosophy, such as Transcendentalism, Pragmatism, and Neo-Pragmatism.

**PHIL 6630 Topics in Phenomenology**

3 semester hours

The study of one or more topics in phenomenology, drawing from the works of such thinkers as Husserl, Scheler, Stein, Heidegger, Sartre, and Merleau-Ponty.

May be repeated for degree credit.

**PHIL 6640 Topics in Continental Philosophy**

3 semester hours

A study of prominent themes in the continental tradition of philosophy. Topics vary each semester and may include figures from the 19th, 20th, and 21st centuries.

May be repeated for degree credit.

**PHIL 6650 Contemporary French Philosophy**

3 semester hours

A study focusing on twentieth and/or twenty-first century figures in French philosophy. This seminar may be devoted to one or more of the following figures: Bergson, Marcel, Ricoeur, Levinas, Foucault, Derrida, Marion, Nancy, or other similar thinkers.

**PHIL 6660 Hermeneutics**

3 semester hours

A consideration of the philosophical questions raised by the interpretation of historically and culturally distant texts, artifacts, and experiences. Course may focus on one or more exponents of philosophical hermeneutics (e.g., Heidegger, Gadamer, Ricoeur, et al.) or on a particular issue (e.g., history, art, narrative, etc.).

**PHIL 6690 Critical Theory**

3 semester hours

A look at contemporary "critical theorists," scholars who—inspired by Kant, Hegel, Marx, and Freud—share two apparently incompatible convictions: first, that philosophy must acknowledge the historical, economic, political, psychological, and sociological factors that constrain and distort our thinking; and second, that this discipline of radical self-criticism can lead to insight, change, and growth.

**PHIL 6704 Plato**

3 semester hours

An exploration of selected dialogues, informed by a study of the various interpretations of the dialogues from Aristotle to the present.

**PHIL 6706 Aristotle**

3 semester hours

A close study of Aristotelian texts. Aristotle's psychology, metaphysics, or ethics and politics may be emphasized in a given semester.

**PHIL 6710 Plotinus**

3 semester hours

A study of a wide range of Plotinus' works, aimed at articulating his understanding of the fundamental structures of reality, of thought, and of human life in relation to their transcendent source. The main emphasis will be on metaphysical and gnoseological themes, but the ethical, aesthetic, and spiritual dimensions of Plotinus' thought will also be considered.

**PHIL 6712 Augustine**

3 semester hours

A study of central philosophical topics in Augustine's thought, focusing primarily but not exclusively on the earlier phases of his work. Issues to be thematized include truth, beauty, unity and number, interiority, divine illumination, eternity and time, and the problem of evil.

**PHIL 6720 Aquinas**

3 semester hours

An exploration of major themes in the thought of the 13th-century Dominican Thomas Aquinas through seminal works such as the *Summa Theologiae* and the *Summa contra Gentiles*.

**PHIL 6722 Duns Scotus**

3 semester hours

An exploration of major themes in the thought of Duns Scotus.

**PHIL 6728 Pascal**

3 semester hours

A close reading of the *Pensées* and selected shorter works with special attention to their relevance for contemporary debates in

philosophy of religion over the nature of faith, the ethics of belief, and religious pluralism.

**PHIL 6736 Hume**

3 semester hours

A study of selected themes in the philosophy of David Hume.

**PHIL 6738 Kant**

3 semester hours

An in-depth study of selections from the three critiques and other writings, with attention to the relevant secondary literature.

**PHIL 6742 Hegel**

3 semester hours

A close reading of Hegel's *Phenomenology of Spirit* with the aid of the major commentators.

**PHIL 6746 Kierkegaard**

3 semester hours

A study of Kierkegaard's philosophical psychology through an examination of his pseudonymous works, including *Either/Or*, *Fear and Trembling*, *Repetition*, *The Concept of Anxiety*, *Concluding Unscientific Postscript*, and *The Sickness Unto Death*.

**PHIL 6752 Husserl**

3 semester hours

A study of the phenomenological method of Husserl through readings from one or more of his texts.

**PHIL 6756 Heidegger**

3 semester hours

A study of major themes in Heidegger's philosophy, beginning with *Being and Time* and including other major texts from the later periods of his thought.

**PHIL 6762 Wittgenstein**

3 semester hours

A close study of the *Philosophical Investigations* along with the *Tractatus* and *On Certainty*. Topics include the nature of mind, language, and the relation between language and the world in the philosophy of Wittgenstein.

**PHIL 6770 Lonergan**

3 semester hours

A study of Lonergan's cognitional theory, epistemology, metaphysics, and ethics, in *Insight* and later works.

**PHIL 6810 Metaphysics**

3 semester hours

A study of major metaphysical theories including those of Plato, Aristotle, and Aquinas.

**PHIL 6820 Epistemology**

3 semester hours

A study of the philosophical dimensions of the cognitive life. It explores questions about the nature and sources of knowledge—and even its very possibility. Such questions lead to further considerations about, for example, skepticism and the problem of epistemic regress; the foundationalism vs. coherentism and internalism vs. externalism debates; the classical debates between rationalism and empiricism and, too, realism and idealism. The course might also investigate fresh developments in virtue epistemology, social epistemology, and feminist epistemology.

**PHIL 6830 Philosophy of Mind**

3 semester hours

An examination of the nature of mind and its relation to the physical world. Topics might include consciousness, subjectivity, the self,

personal identity, neuroscience, cognitive psychology, artificial intelligence, and cognitive ethology.

**PHIL 6840 Personalist Metaphysics**

3 semester hours

An exploration of the thesis that the personal self is the most dynamic dimension of reality, contrasting both classical metaphysics and phenomenological realism with a range of reductionist accounts of the person. Particular points of contact include economism, scientism, and individualism.

**PHIL 6990 Teacher Orientation and Practicum**

0 semester hours

Credit/No Credit grading.

**PHIL 6995 Oral Examinations**

0 semester hours

Credit/No Credit grading.

**PHIL 6998 Special Studies**

1 TO 3 semester hours

**PHIL 6999 Independent Studies**

1 TO 3 semester hours

**Physics (PHYS)**

**PHYS 100 Thinking in Science**

3 semester hours

Enhancement of scientific reasoning. Topics include: identify and control of variables, deductive and inductive reasoning, proportional reasoning, analysis of scientific data, and problem solving. Lecture, 2 hours; Laboratory, 2 hours.

**PHYS 101 Introduction to Mechanics**

4 semester hours

Vectors, Newton's laws of motion, work and energy, impulse and momentum, rotation, angular momentum, static equilibrium, harmonic motion. May include a brief introduction to quantum mechanics. Laboratory experiments pertaining to mechanics. Measurement, estimation, and uncertainty. Projectile motion, Newton's laws, friction, torque. Lecture, 3 hours; Laboratory, 2 hours. Prerequisite: MATH 131 or concurrent enrollment.

**PHYS 195 Waves and Light**

3 semester hours

An interactive and experimental introduction to geometric optics with emphasis on applications to the modern world. Topics include: ray-tracing, reflection, refraction, thin lenses, polarization, interference, diffraction, thin films, wave-particle duality of light. Lecture, 2 hours; Laboratory, 2 hours. Frank R. Seaver College of Science and Engineering students only.

**PHYS 198 Special Studies**

1 TO 4 semester hours

**PHYS 199 Independent Studies**

1 TO 4 semester hours

**PHYS 201 Introduction to Electricity and Magnetism**

4 semester hours

Electrostatics. Current, resistance, and D.C. circuits. Magnetism. Induced electromotive force. Electric and magnetic properties of matter. Maxwell's equations. Laboratory experiments pertaining to electricity and magnetism. Coulomb's Law, static electricity, electric field plotting, circuits, charge/mass ratio for electron. Lecture, 3 hours; Laboratory, 2 hours.

Prerequisites: PHYS 101; MATH 132 or concurrent enrollment.  
University Core fulfilled: Flag: Quantitative Reasoning.

### **PHYS 206 Foundations of Modern Physics**

*4 semester hours*

An introduction to special relativity (SR), quantum mechanics (QM), and statistical thermodynamics (ST). Selected topics include (SR) frames of reference, Minkowski diagrams and space time structure, causality, Lorentz transformations, four-vectors and Lorentz invariants, relativistic conservation laws. (QM) failures of classical theory, wave-particle duality, models of the hydrogen atom, emission spectra, the Heisenberg uncertainty principle, wave functions and probability, the Schrodinger equation. (ST) Statistical interpretation of entropy, the Laws of Thermodynamics.

Lecture, 3 hours; Laboratory, 2 hours.

Prerequisites: PHYS 201 or PHYS 254; MATH 245 or concurrent enrollment.

University Core fulfilled: Flag: Quantitative Reasoning.

### **PHYS 212 Intermediate Mechanics**

*3 semester hours*

Kinematics and dynamics of single and multiparticle systems. Rigid bodies. Accelerating coordinate systems. Non-inertial coordinate systems. Small vibrations. Central force fields. Introduction to Lagrangian and Hamiltonian mechanics.

Lecture, 3 hours.

Prerequisites: PHYS 101; MATH 245 or concurrent enrollment.

### **PHYS 253 General Physics I**

*4 semester hours*

Vectors. Kinematics. Newton's laws of motion, energy, momentum, rotational motion, and harmonic motion. Fluid mechanics. Heat and thermodynamics. Laboratory experiments pertaining to mechanics, thermodynamics, and fluid mechanics.

Lecture, 3 hours; Laboratory, 2 hours.

Prerequisite: MATH 112 or MATH 122 or MATH 131 or concurrent enrollment.

University Core fulfilled: Flag: Quantitative Reasoning.

NOTE: THE PHYS 253-PHYS 254 series is suitable for biology and chemistry majors and others desiring a college-level experience in physics. This series is not acceptable for credit in the physics or engineering programs.

### **PHYS 254 General Physics II**

*4 semester hours*

Electrostatics. Magnetism. Current, D.C. circuits. Electromagnetic waves. Geometrical and wave optics. Relativity. Nuclear physics. Laboratory experiments pertaining to electricity, magnetism, and optics.

Lecture, 3 hours; Laboratory, 2 hours.

Prerequisite: PHYS 253.

### **PHYS 271 Astronomy**

*3 semester hours*

Understanding the universe. Topics include: history of astronomy, solar system, stars, galaxies, evolution of the universe.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics; Flag: Quantitative Reasoning.

### **PHYS 278 Great Ideas in Physics**

*3 semester hours*

Principles of physics with an emphasis on conceptual understanding. Physics as a human activity.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **PHYS 298 Special Studies**

*1 TO 4 semester hours*

### **PHYS 299 Independent Studies**

*1 TO 4 semester hours*

### **PHYS 301 Electromagnetic Fields**

*3 semester hours*

Electric and magnetic fields. Dielectric materials. Poisson's equation. Boundary value problems. Field energy. Vector potential.

Lecture, 3 hours.

Prerequisites: PHYS 201, PHYS 206; MATH 355 or concurrent enrollment.

### **PHYS 302 Electromagnetic Waves**

*3 semester hours*

Faraday's law. Maxwell's equations. Plane waves in dielectrics and conductors. Sources of radiation, Lienard-Wiechert potentials.

Special Relativity.

Lecture, 3 hours.

Prerequisite: PHYS 301.

### **PHYS 321 Quantum Mechanics I**

*3 semester hours*

Schrodinger equation and its solutions; potential wells, steps, and tunneling; the quantum harmonic oscillator; theory of angular momentum; spin; the hydrogen atom.

Lecture, 3 hours.

Prerequisites: PHYS 206; MATH 245 or concurrent enrollment.

### **PHYS 322 Quantum Mechanics II**

*3 semester hours*

Perturbation theory, scattering theory; the variational principle, the WKB approximation; topics in nuclear physics; selected applications of quantum theory to contemporary issues in physics.

Lecture, 3 hours.

Prerequisite: PHYS 321.

### **PHYS 351 Space Physics**

*3 semester hours*

Introduction to Solar-Terrestrial physics. Physics of space plasmas and single fluid magnetohydrodynamics. Solar physics and the solar wind. Collisionless shocks. The magnetosphere. The ionosphere.

The aurora. Geomagnetic storms. Pulsations and magnetohydrodynamic waves. Planetary magnetospheres.

Lecture, 3 hours.

Prerequisites: MATH 234 and PHYS 206.

### **PHYS 361 Astrophysics**

*3 semester hours*

Orbital mechanics, the solar system, electromagnetic radiation and matter, stellar properties, Milky Way Galaxy, cosmology.

Lecture, 3 hours.

Prerequisites: PHYS 101, PHYS 201, and PHYS 206; or PHYS 253 and PHYS 254; MATH 123 or MATH 132.

### **PHYS 371 Biophysics**

*3 semester hours*

Application of physical laws to biological structure and function: biomechanics, circulatory system, hearing and vision, radiation.

Lecture, 3 hours.

Prerequisite: PHYS 201 or PHYS 254.

**PHYS 374 Weapons of Mass Destruction**

3 semester hours

Scientific principles underlying nuclear weaponry, including basic atomic theory, fission, and fusion; quantifying effects of nuclear explosions; exploring the history, development, and use of nuclear weapons, including potential nuclear terrorism scenarios; social, political, and ethical ramifications of the nuclear arms race and the Cold War.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**PHYS 398 Special Studies**

1 TO 4 semester hours

**PHYS 399 Independent Studies**

1 TO 4 semester hours

**PHYS 411 Modern Physics Lab**

3 semester hours

Experiments in modern physics and optics. Emphasis is placed on instrumentation, data acquisition, programming applications, theoretical interpretations, statistical analysis, and communication of results through written and oral reports.

Lecture, 1 hour; Laboratory, 4 hours.

Prerequisites: PHYS 206 and PHYS 301 or PHYS 321 or concurrent enrollment.

**PHYS 421 Condensed Matter Physics**

3 semester hours

Crystal structure, elastic properties of solids. Free electron Fermi gas. Energy band structure. Semiconductors, superconductivity. Topics in soft condensed matter.

Lecture, 3 hours.

Prerequisite: PHYS 301 or PHYS 321 or concurrent enrollment.

**PHYS 441 Modern Optics**

3 semester hours

Review of electromagnetic theory. Applied geometrical optics. Fourier analysis, polarization, interference and diffraction, coherence theory, lasers, and holography.

Lecture, 3 hours.

Prerequisite: PHYS 206 or concurrent enrollment.

**PHYS 451 Thermodynamics and Statistical Mechanics**

3 semester hours

Classical thermodynamics, applications to simple systems. Kinetic theory and the approach to equilibrium. Classical statistical mechanics. Quantum statistics.

Lecture, 3 hours.

Prerequisite: PHYS 321.

**PHYS 461 Elementary Particle Physics**

3 semester hours

Historical introduction. Symmetries and conservation laws. Feynman diagrams and rules. Quantum electrodynamics. The parton model. Quantum chromodynamics. Weak interactions and electroweak unification. Gauge theories and the Standard Model.

Lecture, 3 hours.

Prerequisite: PHYS 301 or PHYS 321 or concurrent enrollment.

**PHYS 471 Introduction to Relativity and Cosmology**

3 semester hours

Historical introduction. Review of Special Relativity. Differential geometry, tensor analysis and curvature. The Equivalence Principle and Einstein's field equations. The Schwarzschild solution and Black Holes. The standard model of Cosmology and Robertson-Walker

metrics. The Friedmann equation and the cosmological constant. Red-shift and cosmological distance. Type Ia Supernovae as distance indicators. Inflation, Dark Matter, Dark Energy, and other problems of current cosmology. Alternative theories of gravity. Lecture, 3 hours.

Prerequisite: PHYS 301, or PHYS 321 or PHYS 361 or concurrent enrollment.

**PHYS 480 Capstone Experience**

1 semester hour

Preparation for life after graduation, including graduate school, work in industry, and teaching. Colloquia, journal reading, and seminars on topics in contemporary physics, scientific/proposal writing, and presentation skills.

Enrollment is limited to Physics/Engineering Physics seniors only.

University Core fulfilled: Flag: Information Literacy.

**PHYS 481 Senior Thesis**

1 semester hour

Independent research with a faculty member in his/her area of expertise; students must complete a written thesis and oral presentation.

Enrollment is limited to Physics/Engineering Physics seniors only.

Credit/No Credit grading.

University Core fulfilled: Flag: Oral Skills; Flag: Writing.

**PHYS 490 Physics Teaching**

1 TO 2 semester hours

Guided teaching of introductory physics.

May be repeated for credit.

Requires consent of instructor.

**PHYS 493 Physics/Engineering Physics Internship**

1 TO 3 semester hours

Research/development work conducted in a local government or industrial laboratory. The project may be theoretical or experimental and is jointly supervised by on-site staff and LMU faculty.

**PHYS 498 Special Studies**

1 TO 4 semester hours

**PHYS 499 Independent Studies**

0 TO 4 semester hours

**Political Science (POLS)****POLS 1200 U.S. Politics**

4 semester hours

An overview of the major political processes in contemporary American life.

University Core fulfilled: Explorations: Understanding Human Behavior.

**POLS 1400 Comparative Politics**

4 semester hours

Analyzes political institutions and policies in democratic and authoritarian countries. Combines conceptual understanding with case studies from Europe, Africa, Asia, and Latin America.

University Core fulfilled: Explorations: Understanding Human Behavior.

**POLS 1600 International Relations**

4 semester hours

This course provides an introduction to the field of international relations, with an emphasis on state and non-state behavior in explaining international cooperation and conflict.

University Core fulfilled: Explorations: Understanding Human Behavior.

**POLS 1810 Political Science Learning Community I**

1 semester hour

This course introduces students to the opportunities of the Political Science Department and the University and helps them to reflect critically and creatively on the beginning of their college experience through a series of workshops and individual exercises.

**POLS 1820 Political Science Learning Community II**

1 semester hour

A continuation of POLS 1810, this course introduces students to the opportunities of the Political Science Department and the University and helps them to reflect critically and creatively on the beginning of their college experience through a series of workshops and individual exercises.

**POLS 1998 Special Studies**

1 TO 4 semester hours

**POLS 1999 Independent Studies**

1 TO 4 semester hours

**POLS 2000 Foundations of Political Theory**

4 semester hours

Introduction to the major concepts and theories that lay the foundation for contemporary governments. Writing intensive. Students should complete this class in their sophomore year. Prerequisite: POLS 1200, POLS 1400, or POLS 1600. University Core fulfilled: Flag: Writing.

**POLS 2001 Foundations of International Political Theory**

Introduction to the major concepts and theories that lay the foundation for contemporary international politics. Writing intensive. Students should complete this class in their sophomore year. Prerequisite: POLS 1200, POLS 1400, or POLS 1600. University Core fulfilled: Flag: Writing.

**POLS 2100 Empirical Approaches**

4 semester hours

This course introduces the assumptions of the scientific approach in the study of politics, the process of concept formation, and research design. Includes data analysis laboratory sessions. Students should complete this class in their sophomore year. Prerequisite: POLS 1200, POLS 1400, or POLS 1600. University Core fulfilled: Flag: Quantitative Reasoning.

**POLS 2998 Special Studies**

1 TO 4 semester hours

**POLS 2999 Independent Studies**

1 TO 4 semester hours

**POLS 3010 Classical and Christian Political Theory**

4 semester hours

A survey of Western political thought from ancient Greece through the Renaissance. Prerequisite: POLS 2000. University Core fulfilled: Integrations: Ethics and Justice; Flags: Information Literacy, Oral Skills.

**POLS 3020 Modern Political Theory**

4 semester hours

A survey of Western political thought from the Renaissance through the 19th century. Prerequisite: POLS 2000. University Core fulfilled: Integrations: Ethics and Justice; Flags: Information Literacy, Oral Skills.

**POLS 3030 Contemporary Political Theory**

4 semester hours

A survey of 20th century and 21st century political thought. Prerequisite: POLS 2000. University Core fulfilled: Integrations: Ethics and Justice; Flags: Information Literacy, Writing.

**POLS 3040 American Political Thought**

4 semester hours

A study of the origin and development of liberal democracy from Hobbes and Locke to contemporary American thinkers and groups. Prerequisite: POLS 2000.

**POLS 3050 Critical Race Theory**

4 semester hours

This course takes up the question of race and politics through the lens of critical theory, legal theory, and political philosophies of race and difference. Prerequisite: POLS 2000 or AFAM 1211 or CLST 1116. University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Information Literacy, Writing.

**POLS 3060 Marx and Marxism**

4 semester hours

An examination of the Marxist contribution to socio-political thought from Marx to the current era. Prerequisite: POLS 2000.

**POLS 3210 Congressional Politics**

4 semester hours

A study of the workings of the U.S. Congress with an emphasis on the legislative process. Course is primarily conducted as a simulation of either the House or Senate. University Core fulfilled: Flags: Engaged Learning, Oral Skills.

**POLS 3220 Presidency**

4 semester hours

A study of the powers, process, and problems of the modern United States presidency.

**POLS 3230 Courts, Law, and Society**

4 semester hours

A study of how America's courts really work, focusing on the role of judges, juries, and attorneys.

**POLS 3240 Media and Politics**

4 semester hours

An examination of the broad array of news and information sources in the U.S. A particular focus on media trends and how information dissemination affects democratic principles.

**POLS 3250 Campaigns and Elections**

4 semester hours

An examination of the electoral process in the United States covering political participation, campaigns, and institutional arrangements at all levels of government.

**POLS 3310 Racial and Ethnic Politics**

4 semester hours

Comparative analysis of racial and ethnic groups within the United States political system. A focus on the effect of political institutions on minority groups at federal, state, and local levels. Examines the experience of minority groups to illuminate political process in the U.S. University Core fulfilled: Integrations: Interdisciplinary Connections.

**POLS 3320 Social Movements**

*4 semester hours*

An analysis of the current issues and controversies facing several civil rights movements.

**POLS 3330 Immigration Politics and Policy**

*4 semester hours*

This course focuses on the historical and contemporary politics of immigration. The course will cover issues ranging from root causes of international migration, to the various social, cultural, and political consequences of immigration in the United States.

University Core fulfilled: Foundations: Studies in American Diversity.

**POLS 3340 Urban Politics**

*4 semester hours*

Analysis of political institutions and processes in urban areas of the U.S., including policy-making processes, power structures, urban problems, and intergovernmental relations.

**POLS 3350 Elderly and the Law**

*4 semester hours*

A study of the intersection of aging issues with the legal system including advance directives, guardianships, wills and trusts, assisted living arrangements, health care benefits, age discrimination in employment, long term care, and elder abuse.

University Core fulfilled: Flag: Engaged Learning.

**POLS 3410 Politics of Africa**

*4 semester hours*

An analysis of the problems and prospects for political, economic, and social development in Africa south of the Sahara.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**POLS 3420 Political Dynamics of East Asia: Greater China, Japan, and the Koreas**

*4 semester hours*

Northeast Asia is one of the most economically dynamic and politically fraught regions in the world. This course introduces students to the political systems of the region focusing on China, Japan, and the Koreas, and Taiwan.

Prerequisite: POLS 1400.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**POLS 3425 Japanese Society and Politics**

*4 semester hours*

This course delves into Japan's modern transformations focusing particularly on the period since World War II to understand the origins and development of Japan's political and economic institutions, the evolving nature of Japanese society, and the domestic and international challenges facing the nation.

**POLS 3430 Politics of Latin America**

*4 semester hours*

Analyzes political institutions and processes in Latin America. Emphasizes current political and economic challenges to democratic consolidation in the region.

Prerequisite: POLS 2100.

**POLS 3440 Politics in the Middle East**

*4 semester hours*

An overview and analysis of the major patterns and problems in political development and life in the Middle East and North Africa from a cross-national perspective.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

**POLS 3445 Politics of Modern Israel**

*4 semester hours*

This course is an in-depth study of the politics and history of contemporary Israel.

**POLS 3480 U.S.-British Politics**

*4 semester hours*

A comparative study of political systems of the United States and Great Britain.

**POLS 3481 British Government**

*4 semester hours*

An examination of the political system of the United Kingdom (offered as part of the Hansard Fellowship).

**POLS 3482 British Public Policy**

*4 semester hours*

An examination of the public policy process of the United Kingdom (offered as part of the Hansard Fellowship).

**POLS 3510 Politics of Development**

*4 semester hours*

An analysis of the various theoretical approaches to understanding the political economy of developing nations and the empirical consequences of development strategies.

**POLS 3610 International Cooperation**

*4 semester hours*

A study of the patterns of formal institution building and informal regime definition that underlie and define the development of cooperative relationships among the nations of the world.

**POLS 3620 International Security**

*4 semester hours*

A survey of challenges to security and peace in modern international relations, such as war, the nuclear peril, terrorism, revolution, ecological dangers, economic pressures, and sociodemographic crises.

Prerequisite: POLS 1600.

**POLS 3630 Peace and Reconciliation**

*4 semester hours*

A survey of peace and conflict resolution processes in various international contexts.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**POLS 3640 Politics of the European Union**

*4 semester hours*

An analysis of the political structures and processes of the U.K., France, Germany, Italy, Spain, and other European nations.

**POLS 3650 United States Foreign Policy**

*4 semester hours*

Analysis of recent United States foreign policy with a focus on the policy making and implementation process.

**POLS 3800 Internship**

*1 TO 4 semester hours*

The academic component of a supervised internship in an appropriate agency in Los Angeles or Sacramento. In addition to the internship itself, the student must meet regularly with a faculty member selected prior to the start of the internship and write a research paper.

University Core fulfilled: Flag: Engaged Learning.

**POLS 3810 Washington Internship**

*1 TO 8 semester hours*

The academic component of a supervised internship in Washington, D.C.

Credit/No Credit grading.

**POLS 3820 Washington, D.C. Politics**

*4 semester hours*

A part of The Washington Center academic internship program, this course is a comprehensive reflective examination and evaluation (in portfolio format) of the student's academic and internship experience.

**POLS 3830 British House of Commons Internship**

*1 TO 8 semester hours*

The academic component of a supervised internship in the British House of Commons (offered as part of the Hansard Fellowship). Credit/No Credit grading.

**POLS 3850 Politics and Film**

*4 semester hours*

An exploration of political themes as presented in movies.

**POLS 3900 Special Studies in Political Theory**

*1 TO 4 semester hours*

**POLS 3920 Special Studies in U.S. Politics**

*1 TO 4 semester hours*

**POLS 3940 Special Studies in Comparative Politics**

*1 TO 4 semester hours*

**POLS 3960 Special Studies in International Politics**

*1 TO 4 semester hours*

**POLS 3970 Mock Trial I**

*2 semester hours*

This course is only open to students selected to the Mock Trial Team, and consent of the instructor is required. The course is centered on preparation for mock trial competition, especially the American Mock Trial Association regional competition in the Spring, although it is possible that additional competitions will take place in the Fall. **Students should only take this course if they also plan on taking POLS 3971 Mock Trial II in the Spring.**

**POLS 3971 Mock Trial II**

*2 semester hours*

This course is only open to students selected to the Mock Trial Team, and consent of the instructor is required. The course is centered on preparation for the Spring American Mock Trial Association regional competition and possible additional competitions afterwards. Space is limited, and **strong preference is given to students who are currently enrolled in POLS 3970 Mock Trial I, although exceptions will be made if there are good reasons for doing so.**

**POLS 3998 Special Studies**

*1 TO 4 semester hours*

**POLS 3999 Independent Studies**

*0 TO 4 semester hours*

**POLS 4010 Ethics, Politics, and Policy**

*4 semester hours*

An examination of the ethical dimensions of political action and public policy. The course combines theoretical analyses and case studies.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Ethics and Justice.

**POLS 4020 Ethics of War**

*4 semester hours*

An examination of the ethical dimensions of military and political action, with special attention to just war theory and its applicability to today's world. The course combines theoretical analyses and case studies.

Prerequisite: POLS 2000.

**POLS 4030 Punishment and Mercy**

*4 semester hours*

This course explores theoretical and practical challenges to reconciling effective and just social punishment with the virtue of mercy.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Ethics and Justice; Flags: Information Literacy, Oral Skills.

**POLS 4040 Political Rhetoric**

*4 semester hours*

An examination of how rhetoric shapes political life and social goals.

This course analyzes how the structure and content of arguments helps to create political narrative and guide political action.

University Core fulfilled: Flag: Oral Skills.

**POLS 4100 Advanced Empirical Methods**

*4 semester hours*

This course introduces advanced techniques in the empirical study of politics.

Students who intend to employ advanced methods in their senior thesis should plan to take this class their junior year.

Prerequisite: POLS 2100.

**POLS 4210 United States Constitutional Law: Case Method I**

*4 semester hours*

Judicial, executive, and legislative power; individual rights.

**POLS 4220 United States Constitutional Law: Case Method II**

*4 semester hours*

Freedom of Speech and Equal Protection.

**POLS 4250 Public Policy Analysis**

*4 semester hours*

An examination of the processes by which public policy is formulated, implemented, and evaluated. Emphasis will be placed on policy planning and evaluation competencies.

**POLS 4300 Political Psychology**

*4 semester hours*

A study of the relationship between selected psychological and social-psychological characteristics of individuals and political behavior.

**POLS 4310 Chicana/o Politics**

*4 semester hours*

A study of the social and political development of the Chicano community in the United States.

**POLS 4330 Women and Politics**

*4 semester hours*

An analysis of the issues and topics resulting from the intersection of gender with the political system.

**POLS 4360 Public Opinion and American Culture**

*4 semester hours*

An examination of public opinion and political participation in terms of their development, trends, measurement, and influencing factors.

**POLS 4370 Interest Groups and Advocacy**

*4 semester hours*

An examination of the role of groups and advocacy organizations in the U.S. Central assignment of the course will be a founding of an interest group.

**POLS 4380 Politics of California**

*1 TO 4 semester hours*

An examination of the structure and dynamics of California government and politics.

**POLS 4390 Politics of Los Angeles**

*4 semester hours*

A study of the structure and dynamics of county, city, and special district governments in the Los Angeles metropolitan area.

**POLS 4440 Politics of the Middle East through Film**

*4 semester hours*

This course surveys the history, economics, and politics of the Middle East and North Africa through film. It examines salient cultural, economic, and political issues in the region through film. The course examines explanations from various disciplines and compares these with empirical evidence to make informed arguments about contemporary and historical social and political issues in the Middle East and North Africa.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**POLS 4510 Slavery, Abolition, and Modern Slavery**

*4 semester hours*

The first part of this course examines historical slavery and global abolition. The second part of the course concentrates on modern slavery and its eradication.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**POLS 4650 The Politics of the Global Economy**

*4 semester hours*

This course looks at how politics has shaped the modern global economy and how these global forces are re-shaping the relationship between states, markets, and society.

Prerequisite: POLS 1600.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**POLS 4710 International Law**

*4 semester hours*

Focus on some of the major doctrines of international law and the processes of making and implementing law in the contemporary international system.

**POLS 4720 Global Human Rights**

*4 semester hours*

This course introduces students to human rights issues around the world, with particular attention paid to international actors, such as the United Nations, that seek progress in this arena.

**POLS 4750 Foreign Policy Analysis**

*4 semester hours*

This course will focus on the foreign policy of states, with particular attention to decision making and policy planning models.

**POLS 4800 Political Leadership**

*4 semester hours*

A study of the sources and uses, limits and possibilities of leadership in the political arena. The course focuses on leadership and followership in political systems across cultures and systems but focuses on the United States.

**POLS 4900 Special Studies in Political Theory**

*1 TO 4 semester hours*

**POLS 4920 Special Studies in U.S. Politics**

*1 TO 4 semester hours*

**POLS 4940 Special Studies in Comparative Politics**

*1 TO 4 semester hours*

**POLS 4960 Special Studies in International Politics**

*1 TO 4 semester hours*

**POLS 4998 Special Studies**

*1 TO 4 semester hours*

**POLS 4999 Independent Studies**

*1 TO 4 semester hours*

**POLS 5010 Political Ethics**

*4 semester hours*

This seminar examines how ethical principles can be applied to the realities of political action and public life.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Ethics and Justice.

**POLS 5020 Christianity in Modern Political Thought**

*4 semester hours*

This seminar examines how differing interpretations of Christian theology influenced the development of modern political thought.

Prerequisite: POLS 2000.

University Core fulfilled: Flag: Information Literacy.

**POLS 5030 Detention and Incarceration**

*4 semester hours*

A seminar examining the theory and practice of punishment in the form of detention and incarceration, and how these contribute to defining contemporary understandings of individual agency and of the modern democratic state.

Prerequisite: POLS 2000.

**POLS 5260 Education Policy**

*4 semester hours*

A seminar examining selected dimensions of education policy in the United States.

Prerequisite: POLS 2100.

University Core fulfilled: Flag: Writing.

**POLS 5320 New Social Movements**

*4 semester hours*

The course analyzes sociopolitical movements across western cultures from the student movements, anti-war protests, and women's movements of the 1960s and 70s to contemporary social movements.

Prerequisite: POLS 2100.

**POLS 5350 The Law and Presidential Power**

*4 semester hours*

A seminar examining the ways and extent to which the Constitution and statutes empower and enchain the American President.

Prerequisite: POLS 2100.

University Core fulfilled: Flag: Oral Skills.

**POLS 5360 Women and the Law**

*4 semester hours*

This course focuses on the evolution and current situation of how women and their related issues fare in the legal system, including domestic violence, child custody, reproductive rights, marriage and divorce, domestic partnerships, education, employment, sexual harassment, prostitution and pornography.

Political Science majors only.

**POLS 5420 Rivalry and Cooperation in East Asia**

4 semester hours

What does the future hold for East Asia? This course explores this question by looking at a confluence of trends: the rise of China which is reviving regional tensions, unresolved historical tensions, growing economic interdependence, and the role of the U.S. in the region.

Prerequisites: POLS 1400 or POLS 1600; POLS 2100.

**POLS 5600 Theories of International Relations**

4 semester hours

This course critically examines important debates and topics in international relations. It surveys prevailing theories and empirical research in the field.

University Core fulfilled: Flags: Oral Skills, Writing.

Prerequisites: POLS 1600 and POLS 2100.

**POLS 5710 International Affairs and Social Justice**

4 semester hours

This course is designed to expose students to issues in international affairs in terms of ethics and social justice.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Engaged Learning.

Prerequisites: POLS 1600 and POLS 2100.

**POLS 5720 Comparative Human Rights**

4 semester hours

Examines the tension between human rights and national sovereignty and analyzes how international norms are changing the domestic protection of human rights. Explores how human rights are defined and derived, surveys the historical development of human rights law, and studies enforcement mechanisms and international tribunals.

Junior and senior Political Science majors only.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

**POLS 5800 Honors Seminar**

4 semester hours

A particularly challenging senior seminar for students contemplating graduate work. Also provides preparation for writing a senior thesis.

Prerequisites: POLS 2000, POLS 2100, and consent of instructor.

University Core fulfilled: Flag: Writing.

**POLS 5810 Honors Thesis**

4 semester hours

This is an opportunity for Honors-Eligible students to complete a substantive research project to qualify for Departmental Honors.

Prerequisite: POLS 5800.

**POLS 5820 Senior Thesis**

4 semester hours

The senior thesis provides the opportunity for students to complete a substantive research project to culminate their study of Political Science.

Senior standing required.

Prerequisites: POLS 2100 and consent of department chairperson.

Also, the student must obtain the written approval of the faculty supervisor the semester prior to writing the thesis.

**POLS 5850 Politics in Shakespeare**

4 semester hours

Examines political ideas and themes in the plays of William Shakespeare.

University Core fulfilled: Flag: Information Literacy.

**POLS 5900 Special Studies in Political Thought**

1 TO 4 semester hours

Senior standing required.

Prerequisite: POLS 2000.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**POLS 5920 Special Studies in U.S. Politics**

1 TO 4 semester hours

Senior standing required.

Prerequisites: POLS 1200 and POLS 2100.

**POLS 5940 Special Studies in Comparative Politics**

1 TO 4 semester hours

Senior standing required.

Prerequisites: POLS 1400 and POLS 2100.

**POLS 5960 Special Studies in International Politics**

1 TO 4 semester hours

Senior standing required.

Prerequisites: POLS 1600 and POLS 2100.

**POLS 5998 Special Studies**

1 TO 4 semester hours

**POLS 5999 Independent Studies**

1 TO 4 semester hours

**Film and Television Production (PROD)****PROD 101 Introduction to Screen Production**

3 semester hours

This is an intensive introductory course that provides an overview of the film production process and the basics of digital film production. The focus of the course is on the process of collaborative content creation and will consist of lectures, practical labs, and production.

**PROD 180 Pre-Production**

3 semester hours

This course is intended to expose students to the complete process of pre-production through a basic understanding of all departments and their roles. The students will learn procedures of Production regarding equipment, safety, and production rules and regulations. The course provides an overview of location scouting, production design, and pre-visualization.

Lab fee.

Majors only.

**PROD 198 Special Studies**

0 TO 3 semester hours

**PROD 199 Independent Studies**

0 TO 3 semester hours

**PROD 200 Introduction to Film Production**

3 semester hours

An introduction to the aesthetic and practical problems of communicating visually through motion pictures. Each student is required to produce several movies.

Lab fee.

Majors only.

A grade of B- or higher is required.

Prerequisites: FTVS 210 or FTVS 212; PROD 101.

**PROD 201 Introduction to Film Production Lab**

0 semester hours

Training in the technical aspects of beginning film production: camera, sound, and lighting.

**PROD 240 Images of Faith and Justice**

*3 semester hours*

This course offers students the opportunity to explore faith and justice issues. The course includes a component of Community-Based Learning (CBL).

**PROD 250 Introduction to Television Production**

*3 semester hours*

An introduction to the aesthetic and practical problems of communications in the multi-camera television studio.

Lecture and Laboratory, 6 hours.

Lab fee.

Insurance fee.

Majors only.

A grade of B- or higher is required.

Prerequisites: FTVS 210 or FTVS 212; PROD 101.

**PROD 298 Special Studies**

*1 TO 3 semester hours*

**PROD 299 Independent Studies**

*0 TO 3 semester hours*

**PROD 300 Intermediate Narrative Film Production**

*3 semester hours*

Practicum in the production of films from initial concept through post-production. Lectures on professional production procedures are linked to personal experience on an actual film project. Project maximum length, 8 minutes.

Lab fee.

Insurance fee.

Majors only.

A grade of B- or higher is required.

Prerequisites: PROD 200, PROD 250, PROD 365, and PROD 379; RECA 250; SCWR 327.

Corequisites: PROD 366 and RECA 367.

PROD 365 may be taken concurrently with permission of Chair.

**PROD 326 Documentary Pre-Production**

*3 semester hours*

This course surveys the theory and practice of writing for the documentary and other forms of non-fiction media in television and film.

Majors only.

Prerequisites: PROD 200 and SCWR 120.

**PROD 330 Media Innovation: Small Format Video and the Web**

*3 semester hours*

Media Innovation is a creative, technical, and critical exploration of the practice of using small-form capture devices (cell phone, digital still camera, etc.) to create media for display on the web and other evolutionary viewing platforms. Each student is required to produce and edit a series of videos for posting on their own videoblog. University Core fulfilled: Flag: Engaged Learning.

**PROD 350 Intermediate Documentary Production**

*3 semester hours*

Planning, producing, and editing a documentary or experimental video production on actual locations.

Lecture and Laboratory, 4 hours.

Lab fee.

Insurance fee.

Majors only.

A grade of B- or higher is required.

Prerequisites: PROD 200, PROD 250, PROD 326, PROD 365, and PROD 379; RECA 250.

Corequisites: PROD 366 and RECA 367.

PROD 365 may be taken concurrently with permission of Chair.

**PROD 365 Cinematography**

*3 semester hours*

An introduction to 16 mm motion picture cameras, film stocks, lighting, and grip equipment. Location and studio procedures for both sync and non-sync situations.

Lecture and Lab, 5 hours.

Lab fee.

Insurance fee.

Majors only.

A grade of C (2.0) or higher is required.

Prerequisite: PROD 200.

**PROD 366 Post-Production**

*3 semester hours*

Post-production theory and practice as applied to film.

Lab fee. A one-time substantial fee for editing supplies to be used in this and subsequent film production courses is required. An additional lab fee for this class is also required.

Insurance fee.

Majors only.

A grade of C (2.0) or higher is required.

Prerequisite: PROD 200.

**PROD 368 Production Planning**

*3 semester hours*

Pre-production theory and practice as applied to film/television.

Special emphasis on the latest production facilities and their use.

Majors only.

A grade of C (2.0) or higher is required.

Prerequisite: PROD 200.

**PROD 379 Fundamentals of Directing**

*3 semester hours*

Survey of pre-production preparation for directors, including script analysis, casting, visualization, and working with actors.

Lab fee.

Insurance fee.

Majors only.

A grade of C (2.0) or higher is required.

Prerequisite: PROD 200.

**PROD 398 Special Studies**

*1 TO 3 semester hours*

**PROD 399 Independent Studies**

*0 TO 3 semester hours*

**PROD 400 Advanced Narrative Film Production**

*3 semester hours*

Preparation of the shooting script, casting, scheduling, budgeting, art design, pre-visualization, and other preparation prior to principal photography.

Practical experience in motion picture production on a paraprofessional level including writing, directing, and editing a film. Sync sound project, maximum length: 15 minutes.

Note: Insurance required for off-campus use of equipment. The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Lab fee.

Majors only.

Seniors only.

Prerequisites: PROD 300 or PROD 350; RECA 367.

**PROD 410 Film/TV Topical Seminar**

*3 semester hours*

**PROD 450 Advanced Documentary Production**

3 semester hours

Writing the thesis (documentary) project and preparing the script for production.

Practical experience in motion picture production on a paraprofessional level including writing, directing, and editing a documentary or experimental piece. Project maximum length 15 minutes.

Note: Insurance required for off-campus use of equipment. The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Lab fee.

Majors only.

Seniors only.

Offered Spring semester only.

Prerequisites: PROD 300 or PROD 350, PROD 379; RECA 367.

### **PROD 460 Directed Study in Production**

3 semester hours

This class will fulfill your thesis requirement in lieu of PROD 400 or PROD 450. The course is an intensive investigation in one or more areas of production based upon a mentorship, interviews, practical experience in production, and a final research paper and presentation. It is an alternative form for the student to gain in-depth knowledge of the professional practices within the entertainment industry.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Seniors only.

Majors only.

Prerequisites: PROD 300 or PROD 350 and RECA 367.

### **PROD 466 Advanced Editing**

3 semester hours

Further studies in aesthetics and the techniques of editing for film and/or TV.

Lab fee.

Insurance fee.

Majors only.

Seniors only.

Prerequisites: PROD 300 or PROD 350; RECA 367.

### **PROD 467 Post-Production Sound**

3 semester hours

Advanced sound theory with actual experience in sound re-recording for both film and television.

Prerequisite: RECA 367.

### **PROD 469 Advanced Cinematography**

3 semester hours

Further studies in the techniques of camera and lighting for film and video.

Lab fee.

Insurance fee.

Majors only.

Seniors only.

Prerequisites: PROD 300 or PROD 350; RECA 367.

### **PROD 476 Post-Production Effects**

3 semester hours

This course addresses the process of communication through typographic animation and visual effects. Emphasis is placed on creating emotional expression and identity through composites of video, text, and special effects.

Lab fee.

Insurance fee.

Majors only.

Seniors only.

Prerequisites: PROD 300 or PROD 350; RECA 367.

### **PROD 479 Advanced Directing**

3 semester hours

This course provides a supportive and open workshop environment in which advanced level Film and TV students explore two of the film's director's most essential tasks—script analysis and directing actors.

Majors only.

Seniors only.

Prerequisites: PROD 300 or PROD 350; RECA 367.

### **PROD 480 Advanced Production Technique Seminar**

1 TO 3 semester hours

Seminar/workshop course in special advanced techniques in production and post-production topics.

School of Film and Television students only.

Seniors only.

May be repeated for degree credit up to four times.

Prerequisites: PROD 300 or PROD 350; RECA 367.

### **PROD 495 Post-Finishing the Film**

3 semester hours

This course covers the major concepts and techniques used in creating visual and audio compositing effects in post-production for a completed work that is ready for distribution, festivals, and duplication.

Prerequisite: PROD 400 or PROD 450.

### **PROD 498 Special Studies**

1 TO 3 semester hours

### **PROD 499 Independent Studies**

0 TO 3 semester hours

### **PROD 500 Fundamentals of Production**

3 semester hours

Introduction to the aesthetic and practical problems of communicating visually through motion pictures. Involves group projects.

A grade of B- or higher is required.

Corequisites: PROD 565, PROD 566; SCWR 501.

### **PROD 530 Intermediate Documentary Pre-Production**

3 semester hours

Research and development of a documentary idea to be produced in the advanced documentary course.

Prerequisites: PROD 500, PROD 565, PROD 566, SCWR 501, all with a minimum grade of B-.

### **PROD 550 Intermediate Production**

3 semester hours

Practicum in production of fictional student projects from initial concept through post-production. Advanced production and post-production theory and practice as applied to film and television. Involves individual and/or group projects.

A grade of B- or higher is required.

Prerequisites: PROD 500, PROD 565, PROD 566, SCWR 501, all with a minimum grade of B-.

Corequisites: PROD 530 or SCWR 530, PROD 668, and RECA 500.

### **PROD 565 Cinematography**

3 semester hours

An introduction to 16mm motion picture cameras, digital cameras, film stocks, lighting, and grip equipment. Location and studio procedures for both sync and non-sync situations.

Lecture and Laboratory, 5 hours.

Lab fee.  
Insurance fee.  
Majors only.  
A grade of B- or higher is required.  
Corequisites: PROD 500, PROD 566; SCWR 501.

**PROD 566 Post-Production**

*3 semester hours*  
Post-production theory and practice as applied to film and television.  
Majors only.  
A grade of B- or higher is required.  
Corequisites: PROD 500, PROD 565; SCWR 501.

**PROD 598 Special Studies**

*1 TO 3 semester hours*

**PROD 599 Independent Studies**

*0 TO 3 semester hours*

**PROD 600 Advanced Production**

*6 semester hours*  
Further practical experience in fiction and non-fiction production and post-production, including the producing, directing, and editing of a film or documentary project.  
Note: Insurance is required for equipment.  
A grade of B- or higher is required.  
Prerequisites: PROD 530 or SCWR 530; PROD 550 with a minimum grade of B-.

**PROD 626 Pre-Production for Documentary Thesis**

*3 semester hours*  
Research and development of a non-fiction idea for the thesis film.  
Majors only.  
Prerequisite: PROD 600 with a minimum grade of B-.

**PROD 650 Thesis Project: Production**

*3 semester hours*  
Pre-production and production of a major fiction or documentary project.  
Consent of Graduate Committee required.  
Prerequisites: PROD 600 with a minimum grade of B-; PROD 626 or SCWR 620.

**PROD 666 Advanced Editing**

*3 semester hours*  
Further studies in the theory, aesthetics, and techniques of editing for film and/or television.  
Lab fee.  
Insurance fee.  
Prerequisite: PROD 550 with a minimum grade of B-.

**PROD 668 Production Planning**

*3 semester hours*  
In-depth study of production planning with an emphasis on budgeting and scheduling for the intermediate and advanced projects.  
Prerequisites: PROD 500, PROD 565, PROD 566, SCWR 501, all with a minimum grade of B-.  
Corequisites: PROD 530 or SCWR 530, PROD 550, RECA 500.

**PROD 669 Advanced Cinematography**

*3 semester hours*  
Further studies in the techniques of camera and lighting for film and video.  
Graduate majors only.  
Prerequisites: PROD 550 and PROD 565, both with a minimum grade of B-.

**PROD 670 Thesis Project: Post-Production**

*3 semester hours*  
Editing and completion of the thesis project.  
Consent of Graduate Committee required.  
Prerequisite: PROD 650 with a minimum grade of B-.

**PROD 671 Thesis Project: Post-Finishing the Film**

*1 TO 3 semester hours*  
Registration is required until Thesis Project is completed.  
Prerequisite: PROD 670.

**PROD 680 Seminar in Directing**

*3 semester hours*  
Directorial analysis of and practical experience in the special problems of directing actors for the camera. Can emphasize film, TV, or the different problems involved in each medium.  
Lab fee.  
Insurance fee.  
Prerequisite: PROD 550 with a minimum grade of B-.

**PROD 685 Advanced Production Technique Seminar**

*1 TO 3 semester hours*  
Seminar/workshop course in special advanced techniques in production and post-production topics.  
Lab fee.  
Insurance fee.  
Majors only.  
May be repeated for degree credit up to three times.  
Prerequisite: PROD 550 with a minimum grade of B-.

**PROD 690 Post-Production Effects**

*3 semester hours*  
This course addresses the process of communication through typographic animation and visual effects. Emphasis is placed on creating emotional expression and identity through composites of video, text, and special effects.  
Lab fee.  
Insurance fee.  
Graduate majors only.  
Prerequisite: PROD 500 with a minimum grade of B-.

**PROD 698 Special Studies**

*1 TO 3 semester hours*

**PROD 699 Independent Studies**

*0 TO 3 semester hours*

**Psychology (PSYC)**

**PSYC 1000 General Psychology**

*4 semester hours*  
Introduction to psychology: historical origins; methods of investigation; topics such as sensation, perception, learning, cognition, motivation, and emotion; fields such as physiological, development, personality, social, abnormal, testing, applied psychology, and psychotherapy.  
University Core fulfilled: Explorations: Understanding Human Behavior.

**PSYC 1998 Special Studies**

*1 TO 4 semester hours*

**PSYC 1999 Independent Studies**

*1 TO 4 semester hours*

**PSYC 2001 Statistical Methods for Psychology**

*4 semester hours*  
Statistical concepts and methods related to psychological testing

and research, including measures of central tendency, variability, hypothesis testing, analysis of variance, correlation, regression, non-parametric tests, and use of statistical software programs.  
University Core fulfilled: Foundations: Quantitative Reasoning.  
Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 2002 Research Methods**

*4 semester hours*

Introduces the basic principles of common psychology research methods and designs. Provides students with fundamental background for planning, conducting, and critiquing research in psychology. Emphasizes scientific writing, including APA style, and data interpretation using descriptive and inferential statistics. Topics include: hypothesis testing, searching scientific literature, variables and measurement, reliability and validity, and ethics in the conduct of empirical research.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000 and PSYC 2001.

University Core fulfilled: Flags: Information Literacy, Quantitative Reasoning.

### **PSYC 2003 Brain and Behavior**

*4 semester hours*

Biological basis of behavior, structure and function of the sensory and effector mechanisms, neural and endocrine systems and their underlying physiological substrates.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 2998 Special Studies**

*1 TO 4 semester hours*

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 2999 Independent Studies**

*1 TO 4 semester hours*

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 3010 Psychology of Sex Differences**

*4 semester hours*

Explores sex and sex differences from a biosocial or evolutionary psychology perspective. Examines evolution of sexual reproduction, the two sexes, sexually dimorphic morphology, behavior, and emotion. Identifies and examines different reproductive strategies employed by males and females (including nonhuman species) and resulting conflicts of interests between the sexes. Particular focus given to sex differences in sexuality, courtship, jealousy, mating systems, and parenting.

Junior or senior standing required.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 3019 African and Black Psychology**

*4 semester hours*

A biopsychosocial/spiritual review of topics in psychology from an Africentric perspective. A survey course examining and contrasting basic theories, research, and concepts in African psychology and Black psychology. Selected features of the discipline of western psychology are critiqued from an African-centered perspective.

Junior or senior standing required.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 3038 Abnormal Psychology**

*4 semester hours*

An introduction to the biological, psychological, and social determinants of psychopathology and maladaptive behaviors. Causes, diagnosis, and treatment of various mental disorders such as: schizophrenia, mood disorders, anxiety disorders, personality disorders, childhood disorders, sexual dysfunctions, and other conditions covered in the *Diagnostic and Statistical Manual of Mental Disorders* (DSM).

Junior or senior standing required.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 3045 Psychology on Film**

*4 semester hours*

An investigation of principles and theories of psychology through the analysis of characters in quality, character-based films.

Junior or senior standing required.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 3050 Principles of Behavioral Neuroscience**

*4 semester hours*

Explores the scientific investigation and advancement of theory pertaining to processes underlying the biological basis of human behavior. This course will examine pertinent topics within the fields of psychology, biology, chemistry, neuropharmacology, biochemistry, and the clinical sciences (e.g., neurology and neuropsychiatry) to provide a comprehensive introduction to behavioral neuroscience.

Junior or senior standing required.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics; Flags: Information Literacy, Oral Skills.

### **PSYC 3052 Lifespan Development**

*4 semester hours*

Research and theories of normal human development from conception through adult maturity, old age, and death. Focus on growth and change in biological, cognitive, and social processes in psychological development.

Junior or senior standing required.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 3998 Special Studies**

*1 TO 4 semester hours*

Junior or senior standing required.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 3999 Independent Studies**

*1 TO 4 semester hours*

Junior or senior standing required.

Consent of instructor required.

Prerequisite: Grade of C (2.0) or higher in PSYC 1000.

### **PSYC 4001 Cognition**

*4 semester hours*

Contemporary theories and research regarding cognitive processes: perception, pattern recognition, attention, memory, representation of knowledge, mental imagery, psycholinguistics, concept formation, problem-solving, and reasoning. Explores the application of these theories to study skills, education, neuropsychology, psychopathology, cognitive development, intelligence, and computer models of cognition.

Open to Psychology majors and minors only. Required for Psychology majors.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

### **PSYC 4002 Social Psychology**

*4 semester hours*

Contemporary theories and empirical research related to person perception, affiliation, interpersonal attraction, group structure and dynamics, social influence, attitude change, aggression, prosocial behavior, and prejudice.

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

### **PSYC 4033 Community Psychology**

*4 semester hours*

The community psychology course introduces students to the rigorous academic discipline of community psychology, the theoretical approach to community-based interventions and its emphasis on research and action. Students will gain an understanding of the role, functions, and responsibilities of a community psychologist working with and within community organizations. The course stresses student engagement in transformative action, allowing them to integrate practical experience with community psychology research and theory. Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

### **PSYC 4036 Personality**

*4 semester hours*

A survey of the major contemporary theories of personality and relevant research and applications related to each theory.

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

### **PSYC 4045 Advanced Research Methods**

*4 semester hours*

Building on lower division statistics and research methods Psychology requirements, this course further investigates research designs and statistical analyses psychologists use to understand, predict, and influence human behavior. Students will conduct an empirical research study in a topical area of psychology and present results in APA-style written, oral, and/or poster presentations. Highly recommended for students considering graduate study in psychology.

Consent of instructor required.

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

University Core fulfilled: Flags: Engaged Learning, Oral Skills.

### **PSYC 4052 Evolutionary Psychology**

*4 semester hours*

Examination of the biosocial development of adaptive behavioral strategies for various classes of behavior including altruism, intergenerational conflict, courtship, parenting, territoriality, sibling rivalry, aggression.

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

### **PSYC 4055 Neuropsychology**

*4 semester hours*

Clinical neuropsychology; brain damage and organic syndromes, diagnosis, and biological therapies.

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

### **PSYC 4090 Teaching Internship**

*1 TO 4 semester hours*

Guided teaching of undergraduate course(s). May be repeated for credit.

Consent of instructor required.

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

### **PSYC 4097 Research Assistantship**

*1 TO 4 semester hours*

This course is for students who are research assistants (RAs) in faculty research. It provides an engaging, in-depth opportunity to learn the ethics, methods, and principles of psychological research. It is designed to flexibly accommodate a student either over several semesters (taking 1-2 semester hours in any combination one semester at a time up to a maximum of 4 semester hours) or in one semester (for the full 4 semester hours). A formal agreement between the student and faculty member shall define the academic expectations and workload and incorporate specific requirements for a writing assignment related to the research on which the student works that will serve as a formal basis for the grade.

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

Consent of a full-time faculty member who agrees to serve as the student's supervisor, mentor, and evaluator required.

University Core fulfilled: Flag: Engaged Learning.

### **PSYC 4100 Capstone Seminar**

*4 semester hours*

Seminar focuses on a faculty-selected topic to be investigated using the biopsychological perspective. The topic of this seminar is selected by the faculty member from within his or her area of expertise. Students are expected to broadly review and integrate their learning in psychology across the curriculum. This course fulfills the capstone requirement.

Senior Psychology majors only.

Prerequisites: All required courses for the major completed or currently in progress.

University Core fulfilled: Flag: Writing.

### **PSYC 4101 Community-Based Service Learning, Integration, and Psychology**

*4 semester hours*

This seminar is a continuation of PSYC 4100, Capstone Seminar. Part of a year-long sequence, this course seeks to enliven the three pillars of the LMU Mission by integrating Ignatian spirituality and discernment with the biopsychosocial model in psychology. Students conceive and effect 30 hours of an organized service project and engage in guided reflection and critical analysis. The primary goal of this seminar is to inspire students to integrate academic learning and community-based experiences that are intentionally and deeply interrelated.

Senior Psychology majors only.

Prerequisites: Grade of C (2.0) or higher in each: PSYC 4001, PSYC 4002, and PSYC 4100 (Capstone 1: Psychology, Integration, and Mission).

Consent of instructor required.

University Core fulfilled: Flag: Engaged Learning.

### **PSYC 4195 Senior Assessment**

*0 semester hours*

Assessment of student learning outcomes in the field of psychology. Includes written examination or some other form of written assessment, completion of survey instruments, senior exit interview,

or other forms of end-of-program evaluation. PSYC 4195 is offered two times a year (Spring and Fall).  
Credit/No Credit grading only.  
Senior Psychology majors only in their final semester.  
Prerequisites: All required courses for the major completed or currently in progress.

### **PSYC 4196 Honors in Psychology**

*0 TO 4 semester hours*

This is an opportunity for Honors-eligible students to complete a substantive research project to qualify for Departmental Honors. Senior Psychology majors only.  
Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, PSYC 2003, and consent of department chairperson. Also, the student must obtain the written approval of the faculty supervisor the semester prior to starting Honors in Psychology.

### **PSYC 4998 Special Studies**

*1 TO 4 semester hours*

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

### **PSYC 4999 Independent Studies**

*1 TO 4 semester hours*

Consent of instructor required.

Open to Psychology majors and minors only.

Junior or senior standing required.

Prerequisites: Grade of C (2.0) or higher in PSYC 1000, PSYC 2001, PSYC 2002, and PSYC 2003.

## **Recording Arts (RECA)**

### **RECA 220 Fundamentals of Sound**

*3 semester hours*

The behavior of sound in various environments and techniques of modifying sound.

RECA majors only.

A grade of B (3.0) or better is required.

### **RECA 250 Sound Design**

*3 semester hours*

An introduction to the aesthetic, pragmatic, and technical issues of motion picture sound recording, editing, and mixing.

PROD and RECA majors only.

Prerequisite: FTVS 200, FTVS 210, or FTVS 212.

A grade of B (3.0) or better is required for RECA majors.

### **RECA 258 Digital Sound Editing**

*3 semester hours*

Introduction to sound effects and dialog editing using random access digital sound and picture.

RECA majors only.

Prerequisite: RECA 250 with a grade of C (2.0) or better.

### **RECA 293 How Music Rocks and Rolls**

*3 semester hours*

Study of psychological and neuroscientific basis of human music preferences by looking at most relevant research on human brain and music, as well as the theories that were developed based on that research. Ultimately, searching for the answers of why certain songs become huge music hits.

University Core fulfilled: Explorations: Understanding Human Behavior.

### **RECA 298 Special Studies**

*1 TO 3 semester hours*

### **RECA 299 Independent Studies**

*0 TO 3 semester hours*

### **RECA 322 Recording Technology**

*3 semester hours*

The electronic theories of sound recording and reproduction.

RECA majors only.

Prerequisites: RECA 220 with a grade of B (3.0) or better, RECA 250 with a grade of B (3.0) or better, and RECA 258.

Corequisite: RECA 353.

### **RECA 353 Production Sound Techniques**

*3 semester hours*

Production sound theory and practice, with actual experience in recording, producing sound, and introduction to initial post-production procedures for film and TV.

RECA majors only.

Prerequisites: RECA 220 with a grade of B (3.0) or better, RECA 250 with a grade of B (3.0) or better, and RECA 258.

Corequisite: RECA 322.

### **RECA 358 Post-Production Sound**

*3 semester hours*

Advanced applications in film and television sound post-production: ADR, Foley, dialog and sound effects editing, and mixing.

RECA majors only.

Prerequisites: RECA 220 with a grade of B (3.0) or better, RECA 250 with a grade of B (3.0) or better, RECA 258, RECA 322, and RECA 353.

Corequisites: RECA 361 and RECA 362.

### **RECA 361 Live and Studio Recording**

*3 semester hours*

The theory and practice of live and studio recording with no overdubs.

Live sound reinforcement practice of an outdoor concert session.

Lecture and Laboratory, 6 hours.

RECA majors only.

Prerequisites: RECA 220 with a grade of B (3.0) or better, RECA 250 with a grade of B (3.0) or better, RECA 258, RECA 322, and RECA 353; MUSC 104 and MUSC 107.

Corequisites: RECA 358 and RECA 362.

### **RECA 362 Audio Software Applications**

*3 semester hours*

In-depth study of audio software applications. Plugins and standalone software usage.

RECA majors only.

Prerequisites: RECA 220 with a grade of B (3.0) or better, RECA 250 with a grade of B (3.0) or better, RECA 258, RECA 322, and RECA 353; MUSC 104 and MUSC 107.

Corequisites: RECA 358 and RECA 361.

### **RECA 367 Production Sound**

*3 semester hours*

Production sound theory and practice, with actual experience in recording, producing sound, and introduction to initial post-production procedures for film and TV.

PROD majors only.

Prerequisites: PROD 200 and RECA 250.

### **RECA 393 Movie Music**

*3 semester hours*

By watching and listening to film soundtracks, as presented through more than 200 film clips, students perform extensive visual and audio analysis of how music contributes to narrative cinematic arts.

Students will be connecting visual and audio structural elements of film as they are related to important psychological principles such as humans having bias toward predictability, especially when it comes to musical expectations. Combined interdisciplinary concepts of psychology, music, and film are used to achieve the learning outcomes.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**RECA 394 Music Supervision**

*3 semester hours*

Defining the role of the music supervisor in drawing on the combined resources of the film and television communities to marry music and moving images, this course is for anyone interested in the business and art of film and television music. Lectures and discussion with guest speakers (music supervisors, composers, filmmakers, producers, music licensing representatives, and executives) present the principles and procedures of music supervision.

**RECA 395 Video Game Sound**

*3 semester hours*

Developing basic skills and understanding of modern video game engines. Sound/music design and implementation through using "Unity 3D" game engine will build a practical foundational knowledge of sound design and programming.

**RECA 397 Recording Arts Internship**

*1 TO 3 semester hours*

**RECA 398 Special Studies**

*1 TO 3 semester hours*

**RECA 399 Independent Studies**

*0 TO 3 semester hours*

**RECA 461 Multi-Track Studio Recording**

*3 semester hours*

Music production and sound engineering using multi-track studio recording techniques.

Lecture and Laboratory, 6 hours.

RECA majors only.

Prerequisites: RECA 220 with a grade of B (3.0) or better, RECA 250 with a grade of B (3.0) or better, RECA 258, RECA 322, RECA 353, RECA 358, RECA 361; MUSC 104 and MUSC 107.

**RECA 464 Advanced Audio**

*3 semester hours*

Supervised and advanced projects in audio applications.

RECA majors only.

Prerequisites: RECA 220 with a grade of B (3.0) or better, RECA 250 with a grade of B (3.0) or better, RECA 258, RECA 322, RECA 353, RECA 358, RECA 361, RECA 362, and RECA 461; MUSC 104 and MUSC 107.

Corequisite: RECA 470.

**RECA 468 Advanced Post-Production Sound**

*3 semester hours*

Further studies in sound and practical experience in post-production sound.

Prerequisite: RECA 358 or RECA 367.

**RECA 470 Senior Recording Arts Project**

*3 semester hours*

Supervised project in multi-track recording and production or film production and post-production sound. The student will author a portfolio containing all the work completed as a partial fulfillment of RECA degree requirements.

RECA majors only.

Prerequisites: RECA 220 with a grade of B (3.0) or better, RECA 250 with a grade of B (3.0) or better, RECA 258, RECA 322, RECA 353, RECA 358, RECA 361, RECA 362, RECA 461; MUSC 104 and MUSC 107.

Corequisite: RECA 464.

**RECA 493 Contemporary Issues: Recording Arts**

*3 semester hours*

Further studies in sound recording theory and practice.

RECA majors only.

Prerequisite: RECA 461.

**RECA 497 Recording Arts Internship**

*1 TO 3 semester hours*

**RECA 498 Special Studies**

*1 TO 3 semester hours*

**RECA 499 Independent Studies**

*0 TO 3 semester hours*

**RECA 500 Sound for Production**

*3 semester hours*

An introduction to the aesthetic, pragmatic, and technical issues of motion picture sound recording, editing, and mixing.

PROD graduate students only.

Prerequisite: PROD 500.

**RECA 567 Seminar in Sound**

*3 semester hours*

Production sound theory and practice, with actual experience in recording, producing sound, and advanced post-production procedures for TV and film; ADR, Foley, dialog and sound effects editing, and mixing.

Graduate PROD majors only.

Prerequisite: RECA 500.

**RECA 568 Advanced Post-Production Sound**

*3 semester hours*

Further studies in sound and practical experience in post-production sound.

PROD and RECA majors only.

Prerequisites: RECA 500 and RECA 567.

**RECA 593 Movie Music**

*3 semester hours*

By watching and listening to film soundtracks, as presented through more than 200 film clips, students perform extensive visual and audio analysis of how music contributes to narrative cinematic arts. Students will be connecting visual and audio structural elements of film as they are related to important psychological principles such as humans having bias toward predictability, especially when it comes to musical expectations. Combined interdisciplinary concepts of psychology, music, and film are used to achieve the learning outcomes.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**RECA 597 Recording Arts Internship**

*1 TO 3 semester hours*

**RECA 598 Special Studies**

*0 TO 3 semester hours*

**RECA 599 Independent Studies**

*0 TO 3 semester hours*

**Rhetorical Arts (RHET)**

### **RHET 1000 Rhetorical Arts**

*3 OR 4 semester hours*

This course teaches an integrated set of skills, competencies, and knowledge that enables students to engage in public debate with persuasive force and stylistic excellence. It emphasizes such rhetorical concepts as invention, arrangement, claims with supporting evidence, exigency and audience. Emerging out of Renaissance humanism, Jesuit rhetoric (or *Eloquentia Perfecta*) developed the classical ideal of the good person writing and speaking well for the public good and promotes the teaching of eloquence combined with erudition and moral discernment. Developing this tradition in light of modern composition study and communication theory, the Rhetorical Arts course complements the other Foundation courses with topics such as ethics and social communication, virtue and authority, knowledge and social obligation. The objectives of the Rhetorical Arts course are to foster critical thinking, moral reflection, and articulate expression. Ultimately, the Rhetorical Arts course furthers the development of essential skills in written and oral communication and information literacy, as well as providing opportunities for active engagement with essential components of the Jesuit and Marymount educational traditions. More specifically, students will:

- have written and oral communication skills that enable them to express and interpret ideas—both their own and those of others—in clear language.
- understand the rhetorical tradition and apply this knowledge in different contexts.
- refine foundational skills in critical thinking obtained in the FYS.
- distinguish between types of information resources and how these resources meet the needs of different levels of scholarship and different academic disciplines.
- identify, reflect upon, integrate, and apply different arguments to form independent judgments.
- conceptualize an effective research strategy, and then collect, interpret, evaluate and cite evidence in written and oral communication.

## **Science, Engineering, and Mathematics (SCEM)**

### **SCEM 190 Exploring the Natural Sciences**

*1 semester hour*

Introduction to the areas of study and career opportunities within the natural sciences.

Frank R. Seaver College of Science and Engineering majors only.

### **SCEM 198 Special Studies**

*0 TO 3 semester hours*

### **SCEM 199 Independent Studies**

*0 TO 3 semester hours*

### **SCEM 265 Women in Science and Mathematics: Breaking the Stereotype**

*3 semester hours*

A study of the work of prominent women scientists and mathematicians. The course will also examine their lives and how they succeeded in traditionally male disciplines.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **SCEM 267 The Science and Life of Galileo**

*3 semester hours*

A study of the scientific works of Galileo and how they influenced changes in our world view during the 17th century.

Lecture, 3 hours.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **SCEM 270 Experimenting in Science I**

*4 semester hours*

Combination lecture and laboratory designed to acquaint student with how science is done. Emphasis on active learning strategies such as performing experiments, demonstrations, group discussions. The study of general science principles, such as those typically introduced in K-8 education, in the areas of physical and earth science.

Lecture, 3 hours; Laboratory, 2 hours.

Liberal Studies majors only.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

University Core fulfilled: Explorations: Nature of Science, Technology, and Mathematics.

### **SCEM 271 Experimenting in Science II**

*4 semester hours*

Combination lecture and laboratory course designed to acquaint student with how science is done. Emphasis on active learning strategies such as performing experiments, demonstrations, group discussions. The study of general science principles, such as those typically introduced in K-8 education, in the areas of earth science and life science.

Lecture, 3 hours; Laboratory, 2 hours.

Liberal Studies majors only.

Prerequisite: MATH 101 or higher, or placement into MATH 106 or higher.

### **SCEM 298 Special Studies**

*1 TO 3 semester hours*

### **SCEM 320 Science, Theology, and the Future**

*3 semester hours*

A look at scientific discoveries, advances, and knowledge will be presented. The implications of the findings in science on theological questions and our worldview will be explored.

Lecture, 3 hours.

Prerequisites: BIOL 101, BIOL 102, BIOL 111, BIOL 112; CHEM 110, CHEM 111, CHEM 112, CHEM 113.

### **SCEM 370 Workshop Biology: Life Works I**

*3 semester hours*

The course discusses science pedagogy and allows students to experience working with science content as teachers, before they enter the classroom. Students will complete at least twenty hours of observation in high school classrooms and will be teaching lessons that they can develop.

Lecture, 3 hours.

Corequisite: SCEM 371.

### **SCEM 371 Workshop Biology: Life Works I Laboratory**

*1 semester hour*

The laboratory companion course for SCEM 370.

Laboratory, 3 hours.

Corequisite: SCEM 370.

### **SCEM 372 Workshop Biology: Life Works II**

*3 semester hours*

This is a community-based learning course that is project-based; students will create high school science curricula in collaboration with education staff at a local environmental non-profit and teachers from an area high school. Students background and interests, and the particular needs of the non-profit's education program and high school teachers, will play a significant role in defining each project.

Lecture, 3 hours.

Prerequisites: SCEM 370 and SCEM 371.

Corequisite: SCEM 373.

**SCEM 373 Workshop Biology: Life Works II Laboratory**

1 semester hour

The laboratory companion course for SCEM 372.

Laboratory, 3 hours.

Corequisite: SCEM 372.

**SCEM 376 Workshop Chemistry: The Elements Nature I**

3 semester hours

The course discusses science pedagogy and allows students to experience working with science content as teachers, before they enter the classroom. Students will complete at least 20 hours of observation in high school classrooms and will be teaching lessons that they develop.

Lecture, 3 hours.

Corequisite: SCEM 377.

**SCEM 377 Workshop Chemistry: The Elements of Nature I Laboratory**

1 semester hour

The laboratory companion course for SCEM 376.

Laboratory, 3 hours.

Corequisite: SCEM 376.

**SCEM 378 Workshop Chemistry: The Elements of Nature II**

3 semester hours

This is a community-based learning course that is project-based; students will create high school science curricula in collaboration with education staff at a local environmental non-profit and teachers from an area high school. Student background and interests, and the particular needs of the non-profit's education program and high school teachers, will play a significant role in defining each project.

Lecture, 3 hours.

Prerequisite: SCEM 376 and SCEM 377.

Corequisite: SCEM 379.

**SCEM 379 Workshop Chemistry: The Elements of Nature II Laboratory**

1 semester hour

The laboratory companion course for SCEM 378.

Laboratory, 3 hours.

Corequisite: SCEM 378.

**SCEM 490 STEM Teaching**

1 semester hour

This course is the registration component for Teaching Assistants. Permission of instructor required.

**SCEM 491 Science Education Internship**

1 TO 4 semester hours

Work on a project in science education either in the elementary school or secondary school setting or at another appropriate location.

**SCEM 591 Science Education Internship**

1 TO 4 semester hours

Work on a project in science education either in the elementary school or secondary school setting or at another appropriate location.

**Screenwriting (SCWR)****SCWR 120 Storytelling for the Screen**

3 semester hours

The elements of story telling as applied to the screen includes an examination of ethics and learning screenwriting basics by writing a short film script.

**SCWR 220 Beginning Screenwriting**

3 semester hours

Practicum in the basics of screenwriting; idea, outline, plot, characterization, etc. Analysis of scripts.

Lab fee.

Prerequisite: SCWR 120 completed with a grade of B (3.0) or better.

University Core fulfilled: Flag: Writing.

**SCWR 230 Write a Movie, Change the World**

3 semester hours

Students will learn how to write social issue based, short screenplays.

Prerequisite: SCWR 120.

**SCWR 298 Special Studies**

1 TO 3 semester hours

**SCWR 299 Independent Studies**

0 TO 3 semester hours

**SCWR 320 Intermediate Screenwriting**

3 semester hours

Practical experience in writing feature film scripts with analysis of plot, character development, and structure.

Lab fee.

Majors/minors only.

Prerequisite: SCWR 220 completed with a grade of B (3.0) or better.

**SCWR 321 Rewriting the Feature**

3 semester hours

Practical experience in completing or rewriting a feature-length screenplay.

May be repeated once.

Majors/minors only.

Prerequisite: SCWR 320.

**SCWR 322 Genre Screenwriting**

3 semester hours

Elements of writing popular film genres.

Prerequisite: SCWR 320.

**SCWR 325 Writing the TV Situation Comedy**

3 semester hours

Practical experience in writing in various comic forms with emphasis on television situation comedy.

Majors/minors only.

Prerequisite: SCWR 220.

University Core fulfilled: Explorations: Creative Experience; Flag:

Oral Skills; Flag: Writing.

**SCWR 327 Writing for Narrative Production**

3 semester hours

Elements of screenwriting as applied to short films intended for production.

Prerequisite: SCWR 120.

University Core fulfilled: Flag: Writing.

**SCWR 329 Directing for Screenwriters**

3 semester hours

An in-depth workshop/lecture demonstration on production and post-production processes and aesthetics of film and video.

May require a lab fee.

Majors/minors only.

Prerequisites: PROD 200 or PROD 250 and SCWR 220.

**SCWR 398 Special Studies**

1 TO 3 semester hours

**SCWR 399 Independent Studies**

0 TO 3 semester hours

**SCWR 420 Senior Writing Project**

3 semester hours

Specially directed projects in writing for film, television, or other media from initial concept through finished form.

The student must provide a professional copy of all senior thesis-level projects to the school of film and television in partial fulfillment of degree requirements.

Majors/minors only.

Lab fee.

Prerequisites: SCWR 320 and SCWR 321.

**SCWR 421 Rewriting the Senior Writing Project**

3 semester hours

Practical experience revising the senior project draft.

Majors/minors only.

Prerequisite: SCWR 420.

**SCWR 426 Writing One-Hour Episodic TV**

3 semester hours

Practical experience in writing one-hour episodic television drama.

School of Film and Television majors only.

Prerequisites: SCWR 220 and SCWR 320.

**SCWR 428 Adaptation: One Medium to Another**

3 semester hours

Practical experience in translating books (novels and/or non-fiction) into film scripts.

Prerequisite: SCWR 320.

University Core fulfilled: Flag: Oral Skills.

**SCWR 498 Special Studies**

1 TO 3 semester hours

**SCWR 499 Independent Studies**

0 TO 3 semester hours

**SCWR 501 Writing for Production**

3 semester hours

Elements of screenwriting as applied to short films intended for production.

Corequisites: PROD 500, PROD 565, PROD 566.

**SCWR 510 Producing and Directing for Feature Film Screenwriters**

3 semester hours

Practical experience in the television development process; includes taking an idea to script and the directing, producing, and post-producing of a short, in-studio multi-camera video project.

**SCWR 511 Introduction to Television Producing**

3 semester hours

Course centers on understanding the craft of storytelling and character development as probably the most important task at hand when mounting a production and properly servicing the script for the writer, executive producer, and studio. Making wise choices in the areas of camera, lighting, and special effects to non-linear post-production, etc.

**SCWR 530 Intermediate Writing for Narrative Production**

3 semester hours

Intermediate screenwriting techniques as applied to short films intended for production

Prerequisite: SCWR 501.

**SCWR 540 Elements of Feature Film Screenwriting**

3 semester hours

Elements of feature film screenwriting related to idea, character, story and structure development, scene and sequence construction, and elements of genres.

**SCWR 541 Intermediate Feature Project**

3 semester hours

Practical experience writing a first draft feature film screenplay; includes analysis of character development, plot, and story structure.

**SCWR 550 Elements of Television Writing**

3 semester hours

Elements of dramatic writing include emphasis on the television art form and the practical aspects of writing television genres.

**SCWR 551 Seminar in Feature Writing**

3 semester hours

WPTV majors only.

Prerequisites: SCWR 511 and SCWR 550.

**SCWR 552 Digital Storytelling**

3 semester hours

Practical experience writing episodic content for the Internet.

**SCWR 553 Writing for Reality Television**

3 semester hours

Practical experience in writing for reality television.

**SCWR 554 The TV Writers Room**

3 semester hours

Students gain practical experience pitching and working in the writers rooms of drama and comedy television series.

Prerequisites: SCWR 511 and SCWR 550.

**SCWR 560 Writing the Feature for Directors**

3 semester hours

Practical experience writing a first draft feature length screenplay.

Film and Television Production graduate majors only.

Prerequisite: SCWR 501.

**SCWR 598 Special Studies**

1 TO 3 semester hours

**SCWR 599 Independent Studies**

0 TO 3 semester hours

**SCWR 602 Seminar in Critical Writing in the Arts**

3 semester hours

An intensive investigation of the aims of the contemporary cinema through screenings and encounters with working filmmakers, joined with practical experience in the composition of professional level film criticism.

**SCWR 611 Television Planning, Budgeting, and Scheduling**

3 semester hours

Practical experience as a producer managing the planning, budgeting, and scheduling of the episodic television art form.

**SCWR 620 Writing for Narrative Production Thesis**

3 semester hours

Writing the thesis narrative project and preparing the script for production.

Prerequisite: SCWR 530.

**SCWR 635 Advanced Motion Picture Script Analysis**

3 semester hours

Analysis of feature films from the screenwriters point of view and an

in-depth study of each story's dramaturgical elements. This study will deepen the understanding of these principles and techniques for the student's own creative work.

**SCWR 640 Rewriting Intermediate Feature Project**

*3 semester hours*

Practical experience rewriting the feature film screenplay.

Corequisite: SCWR 650.

Prerequisites: SCWR 540 and SCWR 541.

**SCWR 641 Feature Film and Television Adaptation**

*3 semester hours*

Broad survey of the wide range of adaptation concepts, practices, and processes.

Prerequisites: SCWR 551 and SCWR 640.

**SCWR 650 Advanced Screenwriting Project**

*3 semester hours*

Practical experience writing a feature-length screenplay.

Corequisite: SCWR 640.

**SCWR 651 Rewriting Advanced Screenwriting Project**

*3 semester hours*

Practical experience rewriting the feature film screenplay.

Prerequisite: SCWR 650.

**SCWR 660 Writing Episodic Drama**

*3 semester hours*

Practical experience writing a "spec" episode of a current one-hour drama.

Prerequisites: SCWR 510 or SCWR 511; SCWR 540 or SCWR 550.

**SCWR 661 Writing the Drama Pilot**

*3 semester hours*

Practical experience creating an original one-hour drama series and writing the pilot teleplay.

Prerequisite: SCWR 660 or SCWR 670.

Repeatable for credit up to 9 semester hours.

**SCWR 670 Writing Episodic Comedy**

*3 semester hours*

Practical experience writing an "spec" episode of a current half-hour situation comedy.

Prerequisites: SCWR 510 or SCWR 511; SCWR 540 or SCWR 550.

**SCWR 671 Writing the Comedy Pilot**

*3 semester hours*

Practical experience creating an original half-hour situation comedy series and writing the pilot teleplay.

Prerequisite: SCWR 660 or SCWR 670.

Repeatable for credit.

**SCWR 675 Rewriting the Television Pilot: Comedy and Drama**

*3 semester hours*

Rewriting original pilot projects.

**SCWR 680 Television Producing**

*3 semester hours*

A "real life" experience writing and producing a television series; includes adapting the original pilot and pre-producing a short presentation.

Prerequisites: SCWR 611; SCWR 670 or SCWR 671.

**SCWR 681 Television Post-Production**

*3 semester hours*

A "real life" experience writing and producing a television series; includes producing and post-producing pilot presentation and a final professional presentation to an audience and faculty committee.

Prerequisite: SCWR 680.

**SCWR 682 Television Portfolio Workshop**

*3 semester hours*

Develop new or continue to work on previously written material to raise the quality of portfolio to industry standards; includes preparing marketing materials for projects.

Prerequisite: SCWR 680.

**SCWR 685 Entertainment Business Affairs**

*3 semester hours*

Classroom lectures, guest speakers, panel discussions from entertainment industry business affairs professionals in the field of artist management, development, financing, and distribution.

Prerequisites: SCWR 650 and SCWR 651 (Feature Film Screenwriting) or SCWR 670 and SCWR 671 (Writing and Producing for Television).

**SCWR 689 Acting for Television**

*3 semester hours*

This course focuses on understanding the acting process. Writers learn how actors work in order to collaborate and create dialogue for them. The class also covers elements such as casting and production.

**SCWR 690 Thesis Screenplay Project**

*3 semester hours*

Practical experience writing a feature-length screenplay.

**SCWR 691 Rewriting Thesis Screenplay Project**

*3 semester hours*

Practical experience rewriting a feature film screenplay.

Prerequisite: SCWR 690.

**SCWR 692 Feature Film Portfolio Workshop**

*3 semester hours*

Develop new or continue to work on previously written material to raise the quality of portfolio to industry standard; includes preparing marketing materials for projects.

Prerequisites: SCWR 685 and SCWR 690.

**SCWR 696 Television Mentoring**

*3 semester hours*

Shadowing professionals and working in some phase of the television industry.

**SCWR 697 Feature Film Mentoring**

*3 semester hours*

Shadowing professionals and working in some phase of the feature film industry.

**SCWR 698 Special Studies**

*1 TO 3 semester hours*

**SCWR 699 Independent Studies**

*0 TO 3 semester hours*

**Systems Engineering Leadership (SELP)**

**SELP 500 Systems Engineering**

*3 semester hours*

Fundamentals of modern Systems Engineering throughout the program lifecycle; focus on mission success, system, and system-of-systems; broad integrative adoptable and flexible thinking; initiation of a SE activity, feasibility studies, mission engineering, pre-proposal and proposal activities; risk in performance, cost, schedule and deployment aspects of a project; requirement definition and development, system design, interface and configuration control,

and verification/validation; introduction to critical aspects of the DoD, NASA, and INCOSE guides on SE; class projects in Integrated Product Development Teams. All students receive 20% of the grade for taking the INCOSE Associate Systems Engineering Professional (ASEP) Certification Examination.

### **SELP 505 Systems Engineering for Healthcare**

*3 semester hours*

Fundamentals of modern Systems Engineering focused on Healthcare applications. Focus on project success, broad integrative adoptable and flexible thinking. Initiation of a SE activity: capture of goals, regulations, and constraints; stakeholders; and team development. Fundamentals of systems architecting. Feasibility studies and trade studies, capture of interfaces and top level requirements; requirement development, baseline management, interface and configuration control, verification/validation. Risk management. Life cycle activities. Class project.

Enrollment limited to Health Systems Engineering students.

### **SELP 510 Project Management**

*3 semester hours*

Aspects of management and leadership of complex technical endeavors. Project management principles and interaction of the manager with the team. Architecting teams and organizational structures. Planning a project and managing financial, schedule and technical challenges and constraints during its lifecycle. Tools for planning, controlling, and monitoring a project. Subcontract management. Configuration management. Federal acquisition process lifecycle. Microsoft Project.

### **SELP 515 Healthcare Delivery Systems**

*3 semester hours*

Mandatory entry-level course for 4+1 students and other students transitioning from non-healthcare fields. History and operations of U.S. private, non-profit, hybrid and government healthcare delivery systems. Costs and payment systems. Successes and challenges in modern healthcare. Introduction to: electronic records and their portability; Health Insurance Portability and Accountability Act; healthcare informatics and electronic records, patient safety, medical devices and integrated systems. Review of quality, safety and regulatory systems. Non-U.S. healthcare delivery systems. Medical and healthcare jargon.

This course is available only to Healthcare Systems Engineering students.

### **SELP 520 Engineering Ethics and Communications**

*3 semester hours*

Ethical implications of engineers' work, both domestic and international. Introduction to ethical reasoning, liability, obligations and rights of engineers and managers, case studies, and current global issues. Constructive critique and guidance on written and oral presentations.

### **SELP 530 Lean Thinking**

*3 semester hours*

History of Lean, Lean fundamentals: Principles, value and waste. Lean Manufacturing with detailed coverage of JIT Tools; Kaizen, Gemba, Hoshin Kanry. Lean in different domains: Supply Chain, Office, Accounting, Labor relations. NUMMI Case Study; matrix organization optimization; Theory of constraints and critical chain. Project.

### **SELP 535 Lean Healthcare**

*3 semester hours*

The U.S. healthcare system is in a crisis. While costs continue to rise to unsustainable levels, the average quality of care lags that of other industrialized nations. The professionals delivering health care

are overworked and frustrated. Lean has been extraordinarily effective in increasing the efficiency of manufacturing processes. However, health care is not a simple manufacturing-like operation—it is a highly complex enterprise, with many stakeholders, very complex processes, non-standardized patients and medical problems, and great variability in processes and demand. These factors challenge the application of "traditional" lean techniques derived from manufacturing. This class will bridge the gap between traditional lean practices and the needs of healthcare enterprises. The class will begin with a review of basic lean concepts, with examples of how they can be applied to health care processes. Next, issues that complicate the application of lean to complex, high variability processes (such as many healthcare processes) will be covered, including handling variation, people and corporate culture issues, and the modifications required to make lean tools effective. Finally, implementation and sustainment issues will be covered. The class will mix traditional lecture-based instruction with a variety of active learning exercises, including a day-long clinic simulation exercise. Online course delivered by WebEx (3 hours per week plus homework). This course may be offered in class or online.

### **SELP 540 Systems Thinking**

*3 semester hours*

Systems Thinking is a course in which both students and faculty of two LMU Colleges work together: Bellarmine College of Liberal Arts (Seniors and Honors) and College of Science and Engineering (the Systems Engineering graduate program). We look at complex systems that combine both technological and societal aspects of our civilization, seeking to understand how things influence one another within a large context, and how we can influence them for common good. The concepts of common good and public interest are discussed and serve as the ethical baseline for the discourse on the big questions of our time, such as: healthcare, energy and transportation, public health, K-12 education, end-of-life health management, defense and homeland security, and others. Systems engineering and liberal arts students will complement each other's thinking.

### **SELP 550 Systems Architecting**

*3 semester hours*

This course will enable students to create, develop, and integrate complex system architectures. Specific goals include 1) improve the student's understanding of the role of system architects and their relationship to systems engineering and integration, 2) applying the system architecture concepts to define an enterprise baseline, 3) creating an architectural blueprint for transforming the enterprise, 4) identifying capability gaps as well as redundancies, and 5) facilitating effective systems integration. Course objectives will be met through lectures, discussions, readings, in-class team exercises, and applied case studies.

Prerequisite: SELP 500.

### **SELP 560 Integration of Hybrid Hardware and Software Systems**

*3 semester hours*

Increasingly, today's complex systems have significant software and hardware elements. This course provides systems engineers with the basic foundation of concepts, methods, and practical intuitions necessary to understand and manage the integration of hardware and software in a large system. Life cycle models. Overview of management processes and approaches important for success. Examples of tools and methods for real-world hybrid systems. Legacy systems, commercial-off-the-shelf (COTS) components, and business process integration. Lectures, classroom group discussion based on assigned readings and case studies. No programming experience required.

### **SELP 598 Special Studies**

1 TO 3 semester hours

### **SELP 599 Independent Studies**

1 TO 3 semester hours

### **SELP 600 Advanced Systems Engineering**

3 semester hours

Application and management and monitoring of the SE process and logistics; leadership of integrated teams; management for uncertainty, decision making, risk and opportunity; design for "ilities" (e.g., manufacturability, testability, sustainability, maintainability, etc.); technology management and assessment; identifying options and bounding the trade space; software systems management; verification process; different roles of testing; modeling techniques and SE tools; design.

Prerequisite: SELP 500.

### **SELP 610 Advanced Program Management**

3 semester hours

This course will be conducted in three segments: individual leadership (one's own motivations and leadership style, drive, risk, fear, power, passion, and attitude), project leadership (manager's role in leading a project and strategies for successful execution), and company leadership (elements of a successful business and the role of management). Each student will develop a case study of a significant program or development effort using the elements discussed in the class.

Prerequisite: SELP 510.

### **SELP 620 Quality**

3 semester hours

History and philosophy of quality; quality as complement to lean; quality versus features; continuous improvement: PDCA cycle, bottom-up suggestions, Kaizen, Six Sigma, Theory of Constraints, benchmarking, brainstorming, re-engineering, strategic plan; Deming's profound knowledge and 14 points; Quantitative Methods: charts, Design of Experiments (optimization of processes, robustness, full factorials, fractional factorials, folding, Plackett-Burnam, introduction to nonlinear designs), Statistical Process Control; Quality systems: ISO 9001:2000, CMMI, Malcolm Baldrige Award. Project.

Note: the DOE portion is offered time permitting.

### **SELP 625 Patient Safety and Quality Systems**

3 semester hours

Patient safety as critical component of healthcare quality. Death and injury due to errors in healthcare. Reasons for errors. Error reporting systems and legal considerations. Leadership and knowledge for patient safety. Performance standards and expectations. Creating safety systems. Key design concepts. Medication safety. Safety activities. Systems thinking in patient systems.

### **SELP 630 Advanced Lean Management of Engineering Programs**

3 semester hours

The course introduces the latest knowledge in the fields of Lean Product Development, Lean Programs Management, LPDF Method, Lean Systems Engineering, and Lean Final Engineering, including the Lean Enablers for Systems Engineering (honored with the INCOSE Best Product Award and with the Shingo Prize Award for Best Publication and Research) and Lean Enablers for Managing Engineering Programs, a set of 326 practices for PD and SE, awarded with another Shingo Prize. Project.

Prerequisite: SELP 530 (waived for students of the Certificate in Program Leadership).

### **SELP 635 Advanced Lean Management of Healthcare**

3 semester hours

Review of Lean basics: Principles: Value, Waste; Selected JIT/TPS tools; NUMMI Labor-Management Relations Case Study. Lean Project Management (LPDF Method) and Lean Office. Learning Emergency Departments, Clinical Laboratories, Clinics, Operating Rooms, Hospital Bed and Patient Management, Supply Chain. Addressing specific healthcare activity of interest to the students. Selected Lean Enablers for Managing Engineering Programs that apply to Healthcare. Project. Course evaluations.

This course is available only to the students of Lean Healthcare Certificate and Healthcare Systems Engineering.

Prerequisite: SELP 535.

### **SELP 640 Model Based Systems Engineering**

3 semester hours

Introduction to Model Based Systems Engineering (MBSE) with an additional focus on the Object Management Group's standard system modeling language (SysML). Topics include the history of and influences on MBSE; the role of Ontologies and Meta Models in MBSE; model usage for requirements analysis, specialty engineering, systems architecting, functional analysis, trade space analysis, performance analysis and costing; MBSE in the context of Model Based Engineering (MBE) across disciplines (Systems, Software, Mechanical, Electrical, etc.); and examples of MBSE including System of Systems, Mission Analysis, Operational/Business analysis, and platform-specific system trades space analysis. The SysML focus area will concentrate on development of SysML and physics-based model examples using modeling tool suites to facilitate understanding of the four pillars of SysML: Structure, Behavior, Requirements, and Parametrics, and translate those models into practical solutions. Students will learn to plan the use of MBSE processes and methods in the Systems Engineering lifecycle; leverage the systems architecture context for systems models and specify the boundary conditions for subsequent analytic and simulation studies; select the appropriate level of granularity for modeling various systems engineering trades; use standards-based tools to create, update, and deploy system models; and conduct engineering trade study analyses based on system Quality Attributes.

Prerequisites: SELP 500 and SELP 550.

### **SELP 650 IT and Software Project Management for Systems Engineers**

3 semester hours

The principles and techniques to manage projects, programs, or organizations that incorporate IT and computing infrastructure as a critical component. The life cycle of IT projects within the context of a complex organization—from development or procurement of a new solution to successful deployment and integration into business processes. In-depth coverage of both traditional life cycle models, and modern methods such as Agile and Lean software development. Deploying software developed in-house or by procuring commercial software presents significant challenges in terms of adoption by the people in the organization, classified into "machine/machine," "man/machine," or "man/man" categories. Phases of an IT project lifecycle, with emphasis on the impacted business processes, and the impact of those changes on people, the organization, and the bottom line. Key success factors and risks. The student will be taught how to apply systems engineering principles in tackling IT or software project management. Project planning, getting stakeholder buy-in, project life-cycle phases, creating budgets, schedules, identifying potential adoption problems, identifying training needs, and utilizing proven management methods to propel the IT or software related project forward to success. Case studies.

Undergraduate degree in Computer Science required.

### **SELP 655 Medical Devices and Integrated Systems**

### *3 semester hours*

The medical device development process should follow system engineering principles, but some tailoring and translation is needed to understand their application outside of the more traditional defense and aerospace fields. This course will provide the student an understanding of the regulated medical device development process, and how systems engineering is applied in this domain. Topics include design and development planning, design inputs, design outputs, design reviews, verification, validation, design transfer, design change control, design history files, human factors, and risk management. Each of these is covered in detail to provide and understanding of systems engineering in the medical domain. Of note, this domain does not include formal RFP processes applied in government contracting. General principles for applying systems engineering in commercial development applications will be covered and contrasted with the more traditional approaches. Prerequisite: SELP 505.

### **SELP 660 Cyber Security**

#### *3 semester hours*

Systems engineering approach to cybersecurity in modern, highly networked organizations in either the private or public sector. NIST's formal framework of terms, concepts, and methods to understand the area of cybersecurity. Studies of realistic threat models and vulnerability assessments. Comprehensive coverage of technical foundations for extant technologies and tools available at different levels (host-based or network-based) to provide cybersecurity—anti-virus software, malware detection, intrusion detection/prevention, firewalls, denial of service attack mitigation, encryption, network monitoring, automatic audit tools, to name just a few. Complications in cybersecurity introduced by emerging trends such as mobile devices and cloud computing. As advocated by most security professionals, this course views the problem of devising cybersecurity solutions as a specific kind of risk management problem. Students are taught how to devise the optimal combination of management procedures and controls along with key technologies to address the relevant sets of cybersecurity threats and vulnerabilities for the organization. We will also cover related organizational concerns such as creating a disaster recovery and business continuity plan that can be used to minimize the impact of potential disruptions, including those related to security. The role of cybersecurity as part of the larger domain of Information Assurance and regulatory compliance issues for different types of organizations. "Best practices" frameworks for security such as OWASP Top 10 and Security Technical Implementation GuideS (STIGS) and resources available from institutions such as CERT, NIST, and SANS. Case studies. From the real world to ground the concepts taught in real-world situations. Undergraduate degree in Computer Science required.

### **SELP 665 Data Mining in Healthcare**

#### *3 semester hours*

Electronic access to huge databases of patients provides new extraordinary potential for improving clinical diagnosis and treatments, including genomics, studies of genetic, lifestyle, environmental, clinical and other factors. The course explores the opportunities for healthcare analytics and clinical treatment developments. The course will cover the research lifecycle from formulation of clinical questions, to big data access and extraction, extraction, statistical analysis, evidence formulation, and clinical implementation methods. Statistical topics will include clustering, extrapolation, scaling, dimensionality, supervised and unsupervised learning, decision trees, handling uncertainty, Bayesian methods, Hidden Markov models, model selection, validation, data visualization, support vector machines, and so forth. The role of Healthcare Systems Engineers in such projects will be explored. Project. Prerequisite: Undergraduate-level Statistics.

### **SELP 668 Systems Engineering Modeling and Analysis**

#### *3 semester hours*

This course emphasizes the development of analytic modeling skills and the effective applications of operations research methods in policy, management, and planning settings. A set of widely used models including linear programming, decision analysis, queuing, and forecasting is introduced. We explore how to effectively use these models, as well as their strengths and limitations in different problem and organizational contexts. The goal of this course is to teach systems engineers, policy makers, and managers to gain analytical skills and apply them to complex problems. To this end, students will learn: 1) to structure problems so they can be effectively addressed, 2) to formulate models that are useful in different decision situations, 3) to use spreadsheet software to solve these models, and 4) to effectively present quantitative analysis to clients. Prerequisite: SELP 500.

### **SELP 670 Spacecraft Design**

#### *3 semester hours*

Fundamental knowledge of spacecraft design: configuration, design and inter-dependencies of subsystems, launch vehicle, and trade-offs between performance, cost, and reliability. Students will be exposed to a wide range of considerations including design, manufacture, test and operation, cost, performance, manufacturability. At the end of this course, the student will have a fundamental understanding of the factors influencing spacecraft design and will be able to evaluate the impact of trade-offs between subsystem requirements on the performance and cost at the system level. The course will be fast-paced and include both individual and team projects. Prerequisite: SELP 500.

### **SELP 673 New Product Design and Development**

#### *3 semester hours*

Principles of design: problem recognition and formulation. Business background for design: marketing and entrepreneurship. Synthesis (creativity, group dynamics, etc.); analysis and iteration; specifications; cost analysis; scheduling; probability; reliability; optimization; decision theory.

### **SELP 675 Healthcare Enterprise Informatics and Electronic Records**

#### *3 semester hours*

Principles and requirements for IT in healthcare applications, including patient electronic medical records, population health records, computerized medical billing, healthcare data organization, collection, storage, retrieval, and security. Systems engineering approach to healthcare software development. Identification of stakeholders, requirements, verifications, validation and training needs.

### **SELP 691 Systems Engineering Case Studies**

#### *3 semester hours*

Case studies to examine notable successes and failures in major technology-driven government, commercial and defense programs where systems engineering played a significant role. Lessons learned and ethics. Students perform intensive reading of the cases and present them using the Harvard Law School model. Prerequisite: SELP 500.

### **SELP 692 Systems Engineering Seminar**

#### *3 semester hours*

12-14 invited prominent experts present guest lectures with significant systems engineering component. Students write memos after each lecture and are instructed on perfect text formulation and English. Student project on a selected topic of systems engineering. Prerequisite: SELP 500.

**SELP 695 Systems Engineering Integrative Project/Thesis**

3 TO 6 semester hours

Capstone course in which each student working individually applies and demonstrates the mastery of the systems engineering process to a complex technical and/or social endeavor. The deliverables include a formal project proposal with a rationale for the selected project, problem statement and solution goals, list of deliverables, timeline and methodology. The project must be carried out by the student in the semester of the registration. Once approved, the student executes the project in own time, submitting weekly progress reports by email (briefly describing the work completed and the work planned for next week), and meets with the Advisor at least once a month. The final deliverables include a PowerPoint presentation of 30-50 slides and its verbal presentation of 45 minutes in front of a review committee, and a written report of 30-50 pages. The deliverables must include a problem statement, solution goals, literature review, top level (and possibly lower level) requirements, architecting views, trade studies on the relevant issues, requirements verification plan, validation plan, risk management, and a description of the ethical issues involved. Optionally (highly desired but not mandatory): lean, project management, modeling/simulations, MBSE, quality. Both the PowerPoint and written report must be submitted in perfect English (a TA is available to help with the language).  
Prerequisites: All SELP Core Courses, plus MBAI 610 for the dual degree students.

**SELP 696 Project in Healthcare**

3 semester hours

This course is intended to "teach by doing." Using the knowledge from SELP 535, students perform comprehensive Lean improvements in their areas of work. The students as a team, together with the instructor, begin with Gemba walks and waste walks through their work areas, then perform in-class detailed Value Stream Maps of the Current and Future States, identifying and eliminating wastes, implementing the Lean process, and analyzing the results. Individual projects with intensive team cooperation. Comprehensive final presentations. Students are expected to be familiar with Visio software or equivalent for drawing Value Stream maps. 4-6 hours per week of contact time.

This course is available only to the healthcare students.

Prerequisite: SELP 535.

**SELP 698 Special Studies**

1 TO 3 semester hours

**SELP 699 Independent Studies**

1 to 3 semester hours

**Sociology (SOCL)****SOCL 1000 Principles of Sociology**

4 semester hours

Development of the perspectives, concepts, and methodologies needed for objective, analytical thinking about human interaction. Relationships explored in terms of the development of the self through interaction, basic types of social organization, collective behavior, types of institutions, and aspects of the total social system such as social change and population phenomena.

University Core fulfilled: Explorations: Understanding Human Behavior.

**SOCL 1998 Special Studies**

1 TO 4 semester hours

**SOCL 1999 Independent Studies**

1 TO 4 semester hours

**SOCL 2000 Qualitative Research Methods**

4 semester hours

An introduction to research design and qualitative methodologies in the social sciences, with special emphases placed on conceptualization and operationalization processes and data collection strategies. Qualitative research methods such as interviews, focus groups, content analysis, and ethnography will be covered in the course.

University Core fulfilled: Flag: Information Literacy.

**SOCL 2100 Quantitative Research Methods**

4 semester hours

An introduction to basic inferential and descriptive statistics commonly used in the social sciences. Among the topics covered are: table construction; central tendency; variation; probability, sampling distributions, and the normal curve; hypothesis testing; and measures of association.

University Core fulfilled: Foundations: Quantitative Reasoning.

**SOCL 2998 Special Studies**

1 TO 4 semester hours

**SOCL 2999 Independent Studies**

1 TO 4 semester hours

**SOCL 3000 Sociological Theory**

4 semester hours

This course will introduce students to a selection of important classical and contemporary theorists and theoretical perspectives that have contributed to the development of 20th and 21st century sociology.

**SOCL 3100 Metropolitan Los Angeles**

4 semester hours

An overview of the social, economic, political, environmental, and spatial characteristics and dynamics of Metropolitan Los Angeles in the context of contemporary urbanization in the United States.

**SOCL 3110 Sociology of Sport**

4 semester hours

An examination of the social nature of sport in society. Topics may include the interrelation of sport and culture, sport and the socialization process, deviance and violence in sport, sport and race, the status of women in sport, and the political and economic ramifications of sport.

University Core fulfilled: Flag: Writing.

**SOCL 3120 Social Organization**

4 semester hours

The study of large-scale, highly structured groups, such as athletic teams, local school systems, colleges and universities, hospitals, businesses, and governmental agencies.

**SOCL 3130 Sociology of Law**

4 semester hours

A survey of the important theoretical and research traditions and recent empirical developments in sociology of law. A variety of law-related topics will be covered, including law and social structure, the economy and culture, law and inequality, law and social control, courts and alternative dispute resolution, and the legal profession.

**SOCL 3140 Sociology of Popular Culture**

4 semester hours

The study of the artifacts of everyday life—newspapers, films, sports, music and such—as important sources of sociological knowledge.

**SOCL 3141 Media: The Empire of Illusion**

*4 semester hours*

An examination of the social role of the media in our lives and our society. Topics include: culture, race, class, and gender, as well as alternative media and the political struggles over social change and the media system.

**SOCL 3150 Sociology of Health and Illness**

*4 semester hours*

Development of the field of medical sociology, with emphasis on changing patterns in the health care and delivery systems, doctor-patient relationships, and health care.

**SOCL 3160 Sociology of Marriage and Families**

*4 semester hours*

A study of marriage and family as social institutions, including normative aspects, socialization activities, value orientations, family structures and behavior, and societal influences on families.

**SOCL 3200 Deviant Behavior**

*4 semester hours*

A social interactionist approach to the study of deviant behavior; an examination of the process whereby society defines and labels an act as deviant, trends in deviance theory, deviant careers, and the mechanisms involved in confronting the label.

**SOCL 3210 Gender and Society**

*4 semester hours*

An examination of processes resulting in socio-cultural sex role differences and the cultural consequences relating to opportunity, power, and prestige in society. An attempt to understand the effects of social organization and change on the status of women and men.

**SOCL 3211 Men and Masculinities**

*4 semester hours*

An exploration of masculinity through critical examination of men, women, gender, politics, identity, and social change from a social scientific perspective. Topics include: gender socialization, the diversity of masculinities, race and ethnicity, class, age, sexuality, and men's social movements.

**SOCL 3221 Race and Ethnic Relations**

*4 semester hours*

An examination of the interaction between ethnic and racial minorities and the majority group in the light of current sociological theories of social conflict and social change.  
University Core fulfilled: Flag: Oral Skills.

**SOCL 3222 Sociology of the Black Community**

*4 semester hours*

A survey of the effects of long-standing discrimination and deprivation upon family structure, occupational patterns, health and education conditions, motivation, and personal as well as group identity. An analysis of the black power concept and its influence upon the concept of Afrocentrism and the focus on community control.

**SOCL 3231 Social Stratification**

*4 semester hours*

An examination of the historical roots and contemporary patterns of social and economic inequality in the United States. Distribution of income and wealth, social mobility, life chances, education, and race and ethnicity will be discussed.

**SOCL 3232 Community**

*4 semester hours*

This course examines a wide range of American community studies, ranging from the 1920s to the present. Primary attention is directed

toward an understanding of the scope of change in community structure and process in industrial society.  
University Core fulfilled: Flag: Quantitative Reasoning.

**SOCL 3233 Political Sociology**

*4 semester hours*

An analysis of the relationship between forms of social organization and the exercise of power in society. Among the subjects considered are: types of political regimes, cross-cultural patterns of voting, voluntary associations, social classes, social movements, and revolution.

**SOCL 3240 Sociology of Aging**

*4 semester hours*

A general introduction to the study of physiological, psychological, and sociological aspects of aging. The focus is on the individual in society throughout the adult phase of the lifespan.  
University Core fulfilled: Flag: Engaged Learning.

**SOCL 3250 Health and Social Justice**

*4 semester hours*

This course examines how social, political, and economic conditions shape the distribution of health and disease among different populations in the United States and elsewhere. Using a social justice framework, it explores how social inequalities, prejudice, and discrimination contribute to inequalities in health and disease.

**SOCL 3260 Human Trafficking**

*4 semester hours*

Human trafficking—the trade in people and their parts within and across borders—is a problem that has captured the attention of academics, activists, government officials, and the general public over the last 25 years. This course focuses primarily on labor and sex trafficking in local, regional, and global contexts. We review and critically assess diverse sociological and social science scholarship on human trafficking with an emphasis on the structural significance of political, economic, and cultural conditions that contribute to trafficking: gender, racial/ethnic and class dynamics, and the development of anti-trafficking efforts.

**SOCL 3290 Social Inequalities**

*4 semester hours*

This course addresses how power, prestige, and wealth is distributed in society and focuses primarily on the U.S., but also uses global examples. The course examines theories that explain the causes of social inequality and addresses the consequences of social inequality, how it affects a person's life chances, and how and why it persists. Special attention will be paid to race/ethnicity, gender, and class in the different topics covered.

**SOCL 3300 Urban Sociology**

*4 semester hours*

An examination of the basic historical processes which have shaped cities, including spatial differentiation. Topics may include the formation of community, metropolitan deconcentration, urban poverty, housing segregation, and third world urbanization.

**SOCL 3310 Demography and Population Analysis**

*4 semester hours*

An analysis of major international population trends, problems of overpopulation, and population control, with an introduction to the methods and techniques of demographic and ecological analysis.

**SOCL 3320 Social Psychology**

*4 semester hours*

The interrelationships between individual behavior and the larger social order. Language and communication, the self, interaction and

interactional strategy, aggression, perception and attribution theory, prejudice and discrimination, and collective behavior.

**SOCL 3321 Sociology of Emotions**

*4 semester hours*

This course examines how culture and society influence our feelings yet also leave us with the ability to change how we feel, individually and collectively.

University Core fulfilled: Flag: Writing.

**SOCL 3340 Social Movements**

*4 semester hours*

Social Movements examines the role of people-driven social change throughout the globe. We examine how and why social movements emerge, such as the Civil Rights and Feminist Movements, as well as what makes them successful.

**SOCL 3341 Politics, Faith, and Civic Engagement**

*4 semester hours*

The broad objective of this class is to introduce students to studying religion and its impact in the social world, including politics, social policy, community services, and social movements. We will examine the relationship between religion and society, taking into consideration both how religion is shaped by society and how religion shapes society, with an emphasis on religion in the U.S. Additionally, we will look at emerging religiously based social movement and political action.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

**SOCL 3350 The Life Course**

*4 semester hours*

This course explores theories and experiences of the Life Course, a perspective that focuses on developmental trajectories and transitions throughout one's life. Additionally, the course addresses the concepts of social contexts, linked lives, structure, and agency for individuals and groups.

**SOCL 3351 Sociology of Adolescents**

*4 semester hours*

An examination of the adolescent society with particular focus on the high school. Topics to be discussed: peer socializations, cliques and crowd formations, lifestyles, fads and fashions, and changing patterns and relations resulting from globalization.

**SOCL 3360 Environment and Society**

*4 semester hours*

Using sociological theories and concepts, this course examines the relationships between human societies and physical environments. Topics covered include: the meaning and significance of "nature," environmental policies, and environmental social movements.

**SOCL 3370 Sociology of Globalization**

*4 semester hours*

Examines major approaches to and continuing debates about globalization, including the implications for people in their everyday lives. Topics address economic, political, and cultural dimensions of globalization and may include transnational capitalism and corporations; global inequality; migration and the new global labor market; transnational social movements and global civil society; and globalization and culture, including ethnicity and gender.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**SOCL 3371 Gender and Global Migration**

*4 semester hours*

Studies the globe's migrants and how their movements shape

gender in their everyday lives, families, and workplaces—as well as ours—and in the global economy.

University Core fulfilled: Flag: Oral Skills.

**SOCL 3372 Sociology of U.S. Immigration**

*4 semester hours*

An investigation into current and historical immigration trends as they encompass the economy, education, language, identity, politics, and culture. There is a particular focus on globalization and Los Angeles as an immigration center.

University Core fulfilled: Flag: Oral Skills.

**SOCL 3373 Immigration and Los Angeles**

*4 semester hours*

(See APAM 4350.)

**SOCL 3390 Work and Economic Justice**

*4 semester hours*

Explores the social dynamics of work and occupations in terms of culture, ideology, race, class, and gender. Topics will include the day-to-day experiences of the workplace, the politics of the economic system, and the social changes related to globalization and the international economy.

**SOCL 3998 Special Studies**

*1 TO 4 semester hours*

**SOCL 3999 Independent Studies**

*1 TO 4 semester hours*

**SOCL 4100 Criminal Justice**

*4 semester hours*

An introduction to the system of criminal justice in contemporary America with a focus on how criminal behavior is processed by the system's agencies: police, courts, and correctional institutions. Legal concerns such as the rights of the accused and due process will also be discussed in terms of their application in each of these areas.

University Core fulfilled: Flag: Oral Skills.

**SOCL 4101 Criminal Law**

*4 semester hours*

This course examines the criminal law in the U.S. from a sociological perspective, as a set of "social control" processes by which norms are transmitted and enforced. Topics include how the law defines crime and particular forms of crime, drug abuse, and alcohol-related crime, and various legal defenses available to the accused.

**SOCL 4103 Social Psychology and the Law**

*4 semester hours*

This course will examine the law the legal process through the use of concepts, methods, and research from sociology, psychology, and social psychology. The course will address such topics as: criminal profiling, the analysis of eyewitness identification and lineup procedures, pretrial publicity, the social psychology of criminal trials, expert forensic testimony, criminal sentencing and the death penalty, the insanity defense, social and psychological "syndrome defenses," child abuse victims and witnesses, juvenile offenders, legal restrictions on the practice of psychology/psychiatry, and civil commitment law and procedures.

University Core fulfilled: Integrations: Interdisciplinary Connections.

**SOCL 4110 Religion, Culture, and Society**

*4 semester hours*

The study of religion as an expression of culture, its diverse subcultural characteristics as a social institution, and the interrelationships of religion and other social institutions.

### **SOCL 4120 Science, Technology, and Society**

*4 semester hours*

This course examines science and technology as products of social, political, and historical processes. It challenges students to think critically about how we define science and the impacts of science and technology on social life. Students will be introduced to central ideas in the field of science and technology studies.

### **SOCL 4202 Crime and Delinquency**

*4 semester hours*

An introduction to the nature and dynamics of criminal and delinquent behavior from a sociological viewpoint. Topics to be covered: the nature of crime and the criminal law, the measurement of crime, major theories—both historical and contemporary, and patterns of criminal and delinquent behavior.

### **SOCL 4500 Internship**

*4 semester hours*

Students complete a supervised internship in an appropriate agency including social services, law, education, health services, and other relevant fields.

Approval of instructor required.

University Core fulfilled: Flag: Engaged Learning.

### **SOCL 4900 Sociology Seminar**

*4 semester hours*

Designed as a senior seminar for sociology majors. Stress will be on organization and integration of sociology studies, bringing together in a meaningful way sociological facts, understandings, and knowledge.

Students must have 90 semester hours completed at time of registration.

Senior majors only.

Prerequisites: SOCL 2000 and SOCL 3000.

University Core fulfilled: Flag: Writing.

### **SOCL 4998 Special Studies**

*1 TO 4 semester hours*

### **SOCL 4999 Independent Studies**

*1 TO 4 semester hours*

## **Spanish (SPAN)**

### **SPAN 1998 Special Studies**

*1 TO 4 semester hours*

### **SPAN 1999 Independent Studies**

*1 TO 4 semester hours*

### **SPAN 2101 Spanish 1**

*4 semester hours*

The course emphasizes reading, writing, aural, and oral proficiency in basic Spanish, and reflects the diversity within Hispanic cultures. Instruction includes talking about oneself and others; using correct gender and number agreement; describing daily routines; expressing actions in progress; expressing likes and dislikes; avoiding redundancies; and talking, narrating, and describing in the present and past. Coursework includes oral and written exercises, cultural activities, and brief compositions.

Prerequisite: LMU Placement Exam.

### **SPAN 2102 Spanish 2**

*4 semester hours*

After a review of SPAN 2101 material, topics include describing and narrating in the present and the past; expressing past intentions and knowledge; discussing the past with present relevance; giving direct commands and advice; and suggesting, persuading, and expressing

feeling and opinions about future, present, and past actions.

Coursework includes the discussion of short texts, oral exercises, and medium-length compositions.

Prerequisite: SPAN 2101 or by LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

### **SPAN 2103 Spanish 3**

*4 semester hours*

The objective of the class is to strengthen the student's communicative skills in Spanish while developing an awareness and appreciation of Hispanic cultures. By means of an integrated skills approach, this course develops receptive and productive skills simultaneously. This entails communicating in both spoken and written form, and being able to understand the content of a Spanish text, written or spoken, or a non-technical nature.

Prerequisite: SPAN 2102 or by LMU Placement Exam.

University Core fulfilled: Flag: Oral Skills.

### **SPAN 2113 Spanish 3 for Latino Students**

*4 semester hours*

This course, specially designed for students with a cultural Latino/Hispanic background, is the equivalent of SPAN 2103. It strengthens the students' communicative skills in Spanish while developing an appreciation and deeper knowledge of their cultural background. Students are trained to present oral and written reports in formal Spanish and to narrate and describe in paragraphs of connected discourse.

Prerequisite: SPAN 2102, or by LMU Placement Exam, or by consent of instructor.

University Core fulfilled: Flag: Oral Skills.

### **SPAN 2603 Conversational Spanish**

*1 TO 4 semester hours*

A course designed for intermediate students of Spanish to learn and practice communicative strategies, increase their vocabulary, and become acquainted with Spanish, Latin American, and U.S. Latino cultures. Oral presentations are required.

Credit/No Credit only.

Prerequisite: SPAN 2101 or consent of instructor.

University Core fulfilled: Flag: Oral Skills.

### **SPAN 2804 Stylistics and Composition**

*4 semester hours*

This course is an introduction to writing and editing in Spanish. It highlights writing as a process by guiding students through the different stages required to produce college-level compositions incorporating the development of listening, reading, and speaking skills. It also promotes editing of a student's paper through a collaborative and informational learning environment, which includes peer editing of written drafts in addition to the instructor's feedback. Specific grammatical exercises are designed to focus on and improve clarity and effectiveness in written Spanish. The course also includes the development of the spoken formal register through oral presentation.

Prerequisite: SPAN 2103 or SPAN 2113, or by LMU Placement Exam.

University Core fulfilled: Flags: Oral Skills, Writing.

### **SPAN 2998 Special Studies**

*1 TO 4 semester hours*

### **SPAN 2999 Independent Studies**

*1 TO 4 semester hours*

### **SPAN 3410 Spanish Linguistics 1: Sounds and Words**

*4 semester hours*

A study of the Spanish sound system, word formation, and vocabulary. The course provides theoretical tools to analyze

Spanish at the phonological and morphological levels. It also includes an exploration of sounds and word use in different varieties of Spanish.

Prerequisite: SPAN 2804 or consent of instructor.

University Core fulfilled: Explorations: Understanding Human Behavior.

### **SPAN 3431 Spanish Linguistics 2: Structure and Variation**

*4 semester hours*

A study of Spanish language structure, variation, historical change, and the linguistic effects of language contact. Course reading and activities include discussions of research in syntax, sociolinguistics, and historical linguistics.

Prerequisite: SPAN 3410 or consent of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Oral Skills.

### **SPAN 3510 Introduction to Hispanic Literatures**

*4 semester hours*

A study of theoretical terminology and concepts essential for structural and conceptual analysis of literary works written in Spanish through oral and written exercises. Students are also introduced to literary periods and genres from Spanish and Spanish American authors.

Prerequisite: SPAN 2804.

University Core fulfilled: Flags: Oral Skills, Writing.

### **SPAN 3521 Survey of Latin American Literature**

*4 semester hours*

General survey of texts written by a representative body of Latin American authors from the pre-Columbian period to the present.

Prerequisite: SPAN 3510 or consent of instructor.

University Core fulfilled: Flag: Information Literacy.

### **SPAN 3541 Survey of Peninsular Spanish Literature**

*4 semester hours*

Interdisciplinary analysis of representative Peninsular Spanish literary texts from the Middle Ages to the present in their historical and cultural contexts.

Prerequisite: SPAN 3510 or consent of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Oral Skills, Writing.

### **SPAN 3998 Special Studies**

*1 TO 4 semester hours*

### **SPAN 3999 Independent Studies**

*1 TO 4 semester hours*

### **SPAN 4252 Hispanic Cultural Studies**

*4 semester hours*

General survey that may include Iberian, U.S. Latino, and/or pre-Columbian civilizations and the literature of Meso- and South America; the impact of the Encounter with Europe; the Conquest; the Colonial Period; the Independence Era; and modern literary, socio-historical, economic, and political events that have shaped present-day Spanish American cultures.

Prerequisite: SPAN 3510 or consent of instructor.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

### **SPAN 4362 Latin American Cinema**

*4 semester hours*

Introduction to elements of film language and aesthetics, field of Latin American Film Studies, and film as Latin American cultural artifact. Course examines how films have responded to issues inherent in or challenged by institutional, political, economic, and socio-cultural pressures in Latin America during the Colonial Period,

19th, and 20th centuries. Critical focus is on discourses of gender, class, politics, and race in representative visual works by and about Latin Americans and U.S. Latinos. Selected screenings, readings, and lecture/discussions.

Prerequisites: SPAN 3510 and SPAN 3521.

### **SPAN 4388 Spanish Cinema**

*4 semester hours*

This course analyzes trends and issues in Spanish film after Franco such as gender, sexuality, and social values within particular social, cultural, and historical contexts.

Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4472 Spanish Language Acquisition**

*4 semester hours*

A study of the acquisition of Spanish as first and second language from a linguistic and psycholinguistic perspective. This course provides hands-on experience on the design of a research project on child and/or adult language acquisition of Spanish.

Prerequisite: SPAN 3410 or consent of instructor.

University Core fulfilled: Flag: Oral Skills.

### **SPAN 4473 The Sounds of Spanish: Theory and Practice**

*4 semester hours*

Study and practice of the sound system of Spanish. This course provides opportunities to explore the organization of the basic sounds in Spanish and discuss the differences between English and Spanish. Students will further develop their pronunciation abilities in Spanish through a lab component, where they will practice phonetic transcription and pronunciation.

Prerequisite: SPAN 3410 or consent of instructor.

### **SPAN 4474 Spanish of the Americas**

*4 semester hours*

The course will begin with a review of changes in modern Spanish in the Americas. It will provide a general introduction to the history and structure of the varieties of Spanish spoken in the New World. Topics to be treated will include the Peninsular origins of New World Spanish, the influence of American languages on Spanish, the features which characterize the different varieties of "New World" Spanish (including U.S. Spanish), and the grammatical and lexical features which distinguish European Spanish from that spoken in the Americas.

Prerequisite: SPAN 3410 or consent of instructor.

### **SPAN 4475 Spanish of the United States**

*4 semester hours*

This course aims to raise awareness of linguistic contact phenomena, as well as socio-political and ideological research issues underlying the complexity of Spanish in the U.S. Students will be working with a variety of linguistic topics related to the analysis of the Spanish language and its role as a minority language in the U.S. Topics covered are linguistic variation, diglossia, historical perspectives, attitudes towards language, and language planning.

Prerequisite: SPAN 3410 or consent of instructor.

### **SPAN 4489 Selected Topics in Spanish Linguistics**

*4 semester hours*

Topics in the different subfields of Spanish linguistics and/or social studies.

May be repeated for degree credit when content varies.

Prerequisite: SPAN 3410 or consent of instructor.

### **SPAN 4563 Latin American Drama**

*4 semester hours*

An introduction to and comparison of representative works written by Latin American dramatists from a variety of historical periods, national origins, and literary and cultural movements.

Specific course content depends on the instructor.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4564 Latin American Novel**

*4 semester hours*

A comparative study of representative narratives written by Latin American, U.S. Latino/a, and/or other diasporic Spanish-speaking authors during the 19th, 20th, and 21st centuries.  
Specific course content depends on the instructor.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4565 Latin American Poetry**

*4 semester hours*

Survey and comparative study of Spanish language poetry of the Americas from a variety of historical periods, national origins, and cultural and literary movements.  
Specific course content depends on the instructor.  
Prerequisite: SPAN 3510 or consent of instructor.  
University Core fulfilled: Flag: Engaged Learning.

### **SPAN 4566 Latin American Short Story**

*4 semester hours*

A comparative and literary study of the short story as well as representative works written by Latin American and/or Latino/a authors from a variety of historical periods, national origins, and literary and cultural movements.  
Specific course content depends on the instructor.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4567 Latin American Women Writers**

*4 semester hours*

Survey and comparative study of representative works by Latin American and/or Latina women writers from a variety of historical periods, national origins, and cultural and literary movements.  
Specific course content depends on the instructor.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4582 Early Modern Spanish Drama and Poetry**

*4 semester hours*

The course analyzes poetic and dramatic works of the early modern period in Spain studied within their historical and cultural contexts. It will pay particular attention to their relevance for modern and contemporary literature.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4583 Early Modern Spanish Narrative**

*4 semester hours*

The course analyzes narrative texts of the early modern period in Spain studied within their historical and cultural contexts. It will pay particular attention to their relevance for modern and contemporary literature.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4584 Miguel de Cervantes and Don Quixote**

*4 semester hours*

This course analyzes different texts by Miguel de Cervantes from an interdisciplinary perspective, though it will focus on his masterpiece, *Don Quixote*.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4585 Spanish Literature of the 19th Century**

*4 semester hours*

Interdisciplinary analysis of representative literary works and authors of the Spanish 19th century in their historical and cultural contexts through a particular theme and from different perspectives.  
Prerequisite: SPAN 3510 or consent of instructor.  
University Core fulfilled: Integrations: Interdisciplinary Connections;  
Flag: Writing.

### **SPAN 4586 Spanish Literature of the 20th-21st Centuries**

*4 semester hours*

Interdisciplinary analysis of representative literary works and authors from the Spanish 20th-21st centuries in their historical and cultural contexts through a particular theme and from different perspectives.  
Prerequisite: SPAN 3510 or consent of instructor.  
University Core fulfilled: Integrations: Interdisciplinary Connections;  
Flags: Information Literacy, Writing.

### **SPAN 4587 Federico Garcia Lorca and His World**

*4 semester hours*

The course is an in-depth interdisciplinary study of the works and person of Spanish author Federico García Lorca in its socio-historical, artistic, and cultural contexts.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4589 Selected Topics in Spanish Studies**

*4 semester hours*

Topics in Peninsular Spanish literature and culture.  
May be repeated for degree credit when content varies.  
Prerequisite: SPAN 3510 or consent of instructor.

### **SPAN 4990 Senior Capstone Project**

*1 semester hour*

Exit portfolio (for majors only).  
Credit/No Credit grading.

### **SPAN 4998 Special Studies**

*1 TO 4 semester hours*

### **SPAN 4999 Independent Studies**

*1 TO 4 semester hours*

## **Theatre Arts (THEA)**

### **THEA 110 Beginning Acting**

*3 semester hours*

An introduction to the interpretation of drama through the art of the actor.  
Lab fee.  
Non-majors and Theatre Arts minors only.  
University Core fulfilled: Explorations: Creative Experience.

### **THEA 111 Introduction to Theatre Performance**

*3 semester hours*

An introduction to the study of acting with a foundation in realism and physical actions. Emphasis is placed on a variety of critical and creative theories, and techniques to cultivate imagination, focus, and embodied creativity, self-awareness, vocal and physical range, and script analysis. Suitable for beginners and students with some performance experience.  
Lab fee.  
Theatre Arts majors only.  
University Core fulfilled: Explorations: Creative Experience.

### **THEA 112 Voice and Movement for the Stage**

*3 semester hours*

An introduction to develop and practice vocal and physical techniques designed to free the natural voice and body and to explore the relationship between the two as expressed in performance and basic communication.  
Lab fee.  
Theatre Arts majors/minors only.  
Prerequisite: THEA 110, THEA 111 or equivalent experience.

### **THEA 120 Stagecraft**

*3 semester hours*

An introduction to basic organization, vocabulary, materials, and

techniques of the construction of scenery, the reading/executing of basic graphic documents, operation of equipment, and the creative process for performance. This class includes a basic overview of how theatres function, the relationship of designers to the process, and the connections between scenery and other craft areas like costumes, lighting, and sound. A lab fee provides practical application of techniques and methods.

Corequisite: THEA 121.

### **THEA 121 Stagecraft Lab**

*0 semester hours*

An application of basic modern theatrical practices in a lab format through hands-on experience in a scene shop. Course work correlates with instruction in THEA 120.

Corequisite: THEA 120.

Credit/No Credit grading.

### **THEA 124 Costume Craft**

*3 semester hours*

An introduction to the basic organization, vocabulary, materials, and techniques of the construction, the operation of equipment, and creative process of costumes for performance. This course includes a basic overview of how theatres function, the relationship of designers to the process, and the connections between costumes and other craft areas like scenery, lighting, sound, and makeup. A lab fee provides practical application of techniques and methods.

### **THEA 126 Lighting and Sound Craft**

*3 semester hours*

An introduction to the basic organization, vocabulary, materials, and techniques of lighting/sound, including the reading/execution of basic graphic documents, operation of equipment relating to light/sound craft, and the creative process for performance. This course includes a basic overview of how theatres function, the relationship of designers to the process, and the connections between lighting/sound and other craft areas like costumes and scenery. A lab fee provides practical application of techniques and methods.

### **THEA 210 Scene Study and Presentation**

*3 semester hours*

A concentrated approach to Stanislavski-based scene analysis and presentation. Emphasis on further development and integration of acting skills in voice, movement, interpretation, script analysis, and character development for performance.

Theatre Arts majors/minors only.

Prerequisite: THEA 110, THEA 111, or equivalent experience.

University Core fulfilled: Flag: Oral Skills.

### **THEA 220 Introduction to Basic Scene, Lighting, and Costume Design**

*3 semester hours*

An introduction to the basic elements of production design and its interrelation to the idea of the play. Course will examine the script and explore the development of a concept and its application in the design disciplines. Conceptual and technical drawings are produced, emphasizing clear and concise communication.

Lab fee.

University Core fulfilled: Explorations: Creative Experience.

### **THEA 223 Lighting Design I**

*3 semester hours*

An introductory course which explores stage lighting design as a medium and art form focusing on its aesthetic contribution to productions of different genres, styles, and/or periods of theatre and dance. Combining the development of practical skills and imagination, this course emphasizes the application of lighting design elements and principles, research, process, and script

analysis in developing lighting designs. An initial exposure to lighting technology, equipment, and safety is included. Projects require mastery of basic techniques necessary to convert visual and conceptual ideas into various presentable graphic forms. Students are assessed on their development and integration of concepts and principles into their critical and creative work, share their work with peers, and critically review productions.

Lab fee.

University Core fulfilled: Explorations: Creative Experience.

### **THEA 224 Scene Design I**

*3 semester hours*

An introductory course in designing scenery for the stage.

Combining the development of practical skills and imagination in the development of scenic designs, this course explores the basics such as ground plan formation, research, script analysis, color, basic rendering and/or drafting, and model making techniques. Projects require mastery of basic techniques necessary to convert visual and conceptual ideas into various presentable graphic and three dimensional forms. Craftsmanship is stressed in the execution of projects. Students will be assessed on their development and integration of concepts and principles into their critical an creative work, share their work with peers, and critically review productions.

Lab fee.

University Core fulfilled: Explorations: Creative Experience.

### **THEA 225 Basic Stage Make-up**

*2 semester hours*

An introduction to the art and application of stage make-up required of working actors and performers. Recommended for acting students and cast members.

Lab fee.

### **THEA 227 Costume Design I**

*3 semester hours*

An introductory course in designing costumes for the stage which explores the aesthetic and practical contributions of costume design to productions of different genres, styles, and/or periods in theatre. Combining the development of practical skills and imagination, this course emphasizes the application of design elements and principles, research, process, silhouette, fabric choice, and script analysis in developing costume designs for both individual characters and overall ensemble. Projects require mastery of basic techniques necessary to convert visual and conceptual ideas into various presentable graphic forms. Craftsmanship is stressed in the execution of projects. Students will be assessed on their development and integration of concepts and principles into their critical and creative work, share their work with peers, and be required to critically review productions.

Lab fee.

University Core fulfilled: Explorations: Creative Experience.

### **THEA 230 Costume History and Fashion**

*3 semester hours*

Focusing on selected/representative eras, this course explores the evolution of costume (clothing) forms as a cultural expression of Western fashion from early civilizations through contemporary times. Costumes are studied as primary artifacts and as representative signs of socio/political/economic/aesthetic forces to reveal aspects of the daily lives of human beings living in historic eras other than and including that of the students themselves. Design elements are explored. Comparing and contrasting historical costume modes with their own allows students to reflect on the origin and effect of their own fashion/costume choices. The course examines how costume and fashion reveal both the power of conformity—even as rebellion—and the compelling drive to differentiate class, gender, and self in human societies. The course seeks to connect the emergence of specific silhouettes and modes of clothing to the

methods of manufacture, trade, and social/cultural conditions of each particular era. The significance of the role of the Fashion Designer in our era is explored. Students participate in special "dress up" days to experience directly how historic forms contributed to specific identities in times other than their own. They design and present an imagined fashion collection to be worn ten years into the future in a runway show as the final exam.

#### **THEA 240 Western Theatre History and Literature I**

*3 semester hours*

The history of world theatre from its origins to the seventeenth century A.D. The theatre is viewed as a prism of social concerns, anxieties, and aspirations, in particular historical settings: Antiquity: Ancient Greece, Rome, and India; the Middle Ages in Europe and Asia; and Renaissance Europe and seventeenth-century Asia.

Offered in the Fall semester.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Writing.

#### **THEA 245 Western Theatre History and Literature II**

*3 semester hours*

The history of world theatre from the eighteenth century to the present. The theatre and other performing arts traditions are viewed as a prism of social concerns, anxieties, and aspirations, in particular, historical settings: The Age of Enlightenment; the American, French, and Industrial Revolutions; the late nineteenth century and early twentieth century; the period of the World Wars, the world-wide Great Depression, and the Cold War; the end of colonialism, the rise of the Third World, and the flourishing of diversity.

Offered in the Spring semester.

University Core fulfilled: Explorations: Historical Analysis and Perspectives; Flag: Writing.

#### **THEA 247 Diversity in American Drama**

*3 semester hours*

A study of American diversity through American drama. Students engage plays created by a variety of communities and identities. Lab fee.

#### **THEA 249 Theatre and/as Theology**

*3 semester hours*

This course explores theatre and drama as forms of theology, specifically Catholic theology, by considering the presence of theological meanings in plays from the medieval period to the present, as well as examining theologies that use drama and theatre as a metaphor for understanding the divine, creation, and the relationship between humanity and God.

University Core fulfilled: Foundations: Theological Inquiry.

#### **THEA 250 Theatre Practicum: Crew**

*0 TO 3 semester hours*

This course provides mentored hands-on experience in technical theatre through participation in construction or running crew for Theatre Arts departmental productions.

May be repeated for up to 9 semester hours with a maximum of 2 semester hours in any given technical area.

Theatre Arts majors/minors only.

#### **THEA 253 Playwrights Center Stage**

*0 TO 3 semester hours*

An introduction to new play development, theory, and practice, designed for writers, actors, and technical/production managers.

The course focuses on the development of new scripts through the interaction between actors and writers with the possibility of staged readings and/or workshop productions.

May be repeated for credit up to 6 semester hours.

Lab fee.

Consent of instructor or Chairperson required.

#### **THEA 266 Introduction to Camera Acting**

*3 semester hours*

An introduction to the basics of acting for the camera. Exercises and scenes will be taped. Students will also learn basic camcorder, microphone, and lighting usage.

Lab fee.

Prerequisite: THEA 111 or equivalent experience.

#### **THEA 298 Special Studies**

*1 TO 3 semester hours*

#### **THEA 299 Independent Studies**

*1 TO 3 semester hours*

#### **THEA 300 Theatre in Los Angeles**

*3 semester hours*

Theatre-going and appreciation designed for the potential audience member through first-hand meetings with theatre artists and attendance at Los Angeles productions.

Lab fee.

May be repeated up to 6 semester hours.

#### **THEA 310 Intermediate Scene Study**

*3 semester hours*

A continuation of THEA 210, this course continues toward the development of the integration of acting skills in scene and text analysis, accessing emotional life, voice, movement, interpretation, and character development for performance. This course is a deeper and more rigorous exploration of the acting process.

Theatre Arts majors/minors only.

Prerequisite: THEA 210.

#### **THEA 312 Voice Development**

*3 semester hours*

A course designed to free the natural voice, to develop a full vocal range, and to practice techniques towards compelling and articulate vocal expression, communication, and embodied rhetoric.

#### **THEA 313 Reader's Theatre**

*1 TO 3 semester hours*

This course develops the techniques for reading literature through the exploration of vocal flexibility and expression, textual interpretation and analysis, and the development of character through skillful and informed vocal choices.

May be repeated for credit up to 9 semester hours.

#### **THEA 315 Alexander Technique**

*3 semester hours*

A course open to all majors designed to improve the relationship and use of the body, voice, and breath. Through application of the Alexander Technique, interfering habitual blocks of tension and personality are transformed for greater command over the physical and emotional instrument. Movement ease and coordination as well as improved posture are achieved through informed choices.

#### **THEA 316 Improv for the Actor**

*3 semester hours*

An introduction to basic improvisational techniques for use on stage or to develop character. Students learn a variety of games, techniques, and skills.

May be repeated once for credit.

#### **THEA 317 Dialects for the Stage**

*3 semester hours*

This course teaches students how to perform a variety of dialects,

such as British, Russian, German, New York, and American Southern, among others, for the purposes of stage performance.

**THEA 318 Stage Combat**

*3 semester hours*

Students study the methods and techniques of safe fight choreography for the stage. Topics include unarmed combat, sword fighting, and, when possible, safe firearms for the stage.

**THEA 319 Tai Chi and Alexander Technique**

*3 semester hours*

Students engage in the practice of both Tai Chi Chuan and Alexander Technique in order to gain greater command of the physical and emotional instrument and to remove blocks to performance.

**THEA 325 Design II**

*3 semester hours*

This course examines the theory and practice of costume, scenic, and lighting design. Rooted in a scenographic approach, the core of this course is a series of theoretical projects using all of the design areas to develop a point of view toward the production incorporating the manipulation of space and the body to interpret the text.

Techniques such as drawing, drafting, model building, storyboards, and painting will be employed to communicate design ideas.

May be repeated only when a different topic is offered.

Prerequisite: THEA 220 or permission of instructor.

**THEA 329 Theatre Crafts Workshop**

*3 semester hours*

The study of specific techniques related to design for performance, such as but not limited to: Figure Drawing, Hand Drafting, Costume Construction, Millinery and Costume Crafts, Stage Management, Technical Direction, Scenic Painting.

May be repeated only when a different technique is offered.

**THEA 331 Classical Spirit in Drama**

*3 semester hours*

The course examines the influence and impact of Classicism in historical and social discourse through changing interpretations in multiple language cultures and eras. This is achieved by analysis of texts, examination of the social and historical conditions reflected in the texts, as well as the study of performances and interpretations in the twentieth and twenty-first centuries.

University Core fulfilled: Flag: Writing.

**THEA 336 Romantic Spirit in Drama**

*3 semester hours*

The course examines the influence and impact of Romanticism in historical and social discourse through changing interpretations in multiple language cultures and eras. This is achieved through analysis of texts, examination of the social and historical conditions reflected in the texts, as well as a study of performances and interpretations in the nineteenth, twentieth, and twenty-first centuries.

University Core fulfilled: Flag: Writing.

**THEA 339 Theories of Acting and Directing**

*3 semester hours*

This course surveys the history of the theories about acting and directing, from Aristotle through the present.

**THEA 341 Realistic Spirit in Drama**

*3 semester hours*

An exploration of the realistic drama throughout major periods.

**THEA 343 Shakespeare: Stage and Screen**

*3 semester hours*

The course examines the influence of Shakespeare in historical and social discourse in multiple language cultures and eras. This is achieved by analysis of texts, examination of the social and historical conditions reflected in the text, as well as a study of performances and interpretations for the last three-and-a-half centuries.

University Core fulfilled: Flag: Writing.

**THEA 344 Catholic Spirit in Drama**

*3 semester hours*

An exploration of the relationship between the Roman Catholic Church and drama throughout major periods, including contemporary explorations of faith through theatre.

**THEA 345 Jewish Spirit in Drama**

*3 semester hours*

An exploration of the representations of Judaism and Jews in theatre and drama, as well as the dramatization of the Jewish experience. Particular attention is paid to Yiddish Theatre, Holocaust drama, and Jewish American drama, including American adaptation of Yiddish classics.

**THEA 346 Avant-Garde Spirit in Drama**

*3 semester hours*

The course examines the influence and impact of the Avant-garde in historical and social discourse through changing interpretations in multiple language cultures and eras. This is achieved by analysis of texts, examination of the social and historical conditions reflected in the texts, as well as a study of performances and interpretations in the twentieth and twenty-first centuries.

University Core fulfilled: Flag: Writing.

**THEA 347 African Spirit in Drama**

*3 semester hours*

An exploration of African theatre and theatre of the African diaspora in the United States, the Caribbean and elsewhere.

**THEA 348 Asian Spirit in Drama**

*3 semester hours*

An exploration of the Asian drama throughout major periods.

**THEA 349 Hispanic Spirit in Drama**

*3 semester hours*

An exploration of theatre of the Spanish language in the Western Hemisphere and in Europe, as well as theatre of the Latin traditions in the United States.

**THEA 351 Theatre Practicum: Performance**

*0 TO 3 semester hours*

The application of actor training methods and techniques to departmental productions.

May be repeated for credit up to 9 semester hours.

Lab fee.

Audition required.

Consent of instructor required.

**THEA 361 Acting: Method and Technique**

*3 semester hours*

A hands-on exploration of varied approaches toward actor training and the development of individual approaches toward working with a text in preparation for performance.

Lab fee.

Theatre Arts majors/minors only.

Consent of instructor required.

Prerequisites: THEA 110 or THEA 111, THEA 210.

**THEA 366 Acting for the Camera**

*3 semester hours*

This course builds on basic camera acting knowledge and experience through various filmed exercises and scenes.

Lab fee.

Theatre Arts majors/minors only.

Consent of Co-Chairperson and instructor required.

Prerequisite: THEA 266.

### **THEA 369 Stage Management**

*3 semester hours*

An advanced course in the skills, duties, and practices of Production Stage Managers in the contemporary theatre. All phases of production are examined from both theoretical and real world models including those from educational, regional, and Broadway theatres. A practical experience in stage managing is also incorporated.

### **THEA 370 Directing for the Theatre I**

*3 semester hours*

This course examines and practices basic elements of stage direction. Students will explore script analysis from a director's point of view, develop and practice effective communication with actors and designers, and learn to identify elements of direction that communicate story, theme, and concept.

Theatre Arts majors/minors only.

Prerequisites: THEA 111 and THEA 120.

### **THEA 371 One Act Play Production**

*3 semester hours*

This course examines and practices the elements of producing and directing one act plays, including selection of material, performing and directing short dramas, culminating in a student-directed one act festival at the end of the semester.

Theatre Arts majors/minors only.

May be repeated for degree credit up to 9 semester hours as long as course content is different.

Prerequisite: THEA 111.

### **THEA 376 Student-Directed Plays**

*3 semester hours*

Students direct and act in fully-produced workshop productions of plays. This collaborative class creates and performs a bill of shows tailored to student's passions, aptitudes, and interests.

### **THEA 381 Voices of Justice**

*3 semester hours*

An oral histories writing and performance course which includes meeting and interviewing members of advocacy agencies associated with various social justice issues. Students will select from such topics as: homelessness, human trafficking, immigration, restorative justice, among others, in various semesters. Working in project teams, students will interview agency staff/clients, transcribe, and dramatize the original research, culminating in a presentation of the stories as dramatized narratives.

May be repeated for credit up to 6 semester hours.

University Core fulfilled: Integrations: Interdisciplinary Connections;

Flags: Engaged Learning, Writing.

### **THEA 398 Special Studies**

*1 TO 3 semester hours*

### **THEA 399 Independent Studies**

*1 TO 3 semester hours*

### **THEA 400 Playwriting**

*3 semester hours*

An introduction to the techniques of writing one-act plays for the theatre.

### **THEA 401 The Creative Process**

*3 semester hours*

This course is designed to guide development in a wide range of substantial creative writing projects including the exploration of music, literature, and art that correlate to a specific theatrical project, requiring research and interviews with professionals in the chosen field of study.

May be repeated once for degree credit.

Consent of Co-Chairperson or instructor required.

### **THEA 410 Advanced Scene Study**

*3 semester hours*

A concentrated approach to advanced scene analysis, with emphasis on working with styles of performance such as classical/rhetoric-based texts, texts from the theatre genres/performance styles.

Theatre Arts majors/minors only.

Prerequisite: THEA 210.

### **THEA 412 Movement for Actors**

*3 semester hours*

The exploration of the acting process through the use of the body, and how an unblocked natural physical connection can expand range, versatility, and full range of expression.

Theatre Arts majors/minors only.

Consent of instructor required.

Prerequisites: THEA 111 and THEA 112.

### **THEA 413 Devised Ensemble Theatre**

*3 semester hours*

An introduction and exploration of various contemporary ensemble devising methods towards the creation of new works for the stage. Through research, writing, physical theatre, and workshop techniques, students will develop the tools to collectively conceive, develop, and present original theatrical work.

May be repeated once for degree credit.

Theatre Arts majors only.

Consent of instructor required.

Prerequisites: THEA 111 and THEA 112.

### **THEA 420 Advanced Theatre Design Seminar**

*3 semester hours*

Some area of advanced design is emphasized and studied in depth. Topics may include Set, Costume, Lighting, Sound, Make-up, Digital and/or Projection, and other relevant design fields.

May be repeated twice for credit only when a different design topic is studied.

### **THEA 421 Design III**

*3 semester hours*

This course is an advanced study of all the design areas. Students will research, create, communicate, present, and implement the design of a production within the department season. Drawing, drafting, model building, storyboards, and painting will be employed. All students in design roles within the department must register for this class.

May be repeated only when a different topic is offered.

Prerequisite: THEA 325 or permission of instructor.

### **THEA 425 Scene Painting**

*3 semester hours*

This course is a guide to the tools and techniques used in modern scene painting.

Consent of instructor required.

Corequisite: THEA 427.

### **THEA 427 Scene Painting Lab**

*0 semester hours*

Basic scene painting techniques and practices are demonstrated and applied in full scale painting projects. Lab fee covers cost of brushes, paint, and material. Paint clothes required.  
Corequisite: THEA 425.

**THEA 430 Special Author/Genre Seminar**

*3 semester hours*

Study of Shakespeare or other topics in selected authors and/or dramatic genres.

May be repeated only when different genre is studied.

**THEA 435 Special Period Seminar**

*3 semester hours*

Study of 20th Century American Drama, American Drama through the 19th Century, Modern British Playwrights, 17th and 18th Century Comedy, or other topics in theatre history.

May be repeated only when a different topic and/or period is studied.

**THEA 450 Theatre Practicum: Crew**

*0 TO 3 semester hours*

Students are instructed and mentored as they assume positions of managerial or creative responsibility and/or leadership in mounting departmental productions.

May be repeated for credit up to 9 semester hours.

Theatre Arts majors/minors only.

Prerequisite: THEA 250.

**THEA 453 Playwrights Center Stage**

*0 TO 3 semester hours*

A theory and performance course in new play development methods. Practice and participation as writers, actors, and production managers/assistants or new play interns in staged readings and/or workshops.

May be repeated for degree credit up to 6 semester hours.

Consent of instructor required.

**THEA 461 Acting: Special Genre**

*3 semester hours*

An exploration of advanced acting techniques for particular genres such as musical theatre, comedy of errors, Shakespeare, Chekhov. May be repeated for degree credit up to 9 semester hours as long as course content is different.

Theatre Arts majors/minors only.

Consent of instructor required.

**THEA 463 Acting: Auditions and Cold Reading**

*3 semester hours*

A course in the development and practice of cold-reading, audition, and interview techniques/skills necessary to obtain professional work in the performing arts. Students will develop an effective and organized business approach toward their careers by learning how to market their talent, develop a professional portfolio, necessary for the audition and interview process.

Lab fee.

Theatre Arts majors/minors only.

Consent of instructor required.

**THEA 467 Career Development**

*3 semester hours*

An overview of current trends in casting toward professional work in theatre, television, and film with visits from professional artists such as agents, managers, actors, casting directors, and the possibility of participation in a professional showcase.

Lab fee.

Theatre Arts majors only.

Consent of Co-chairperson and instructor required.

**THEA 490 Senior Thesis Project**

*3 semester hours*

Preparation and presentation of performance or research thesis.

Theatre Arts majors only.

Consent of instructor required.

**THEA 491 Surviving as an Artist**

*1 semester hour*

This course builds an understanding of the unique requirements and challenges that life as an artist in our society presents. Students will be introduced to many aspects of the artistic life, including but not limited to personal finance, unions, professional conduct, and how to develop and sustain career opportunities.

Theatre Arts majors/minors only.

Credit/No Credit grading.

**THEA 498 Special Studies**

*1 TO 3 semester hours*

**THEA 499 Independent Studies**

*1 TO 3 semester hours*

**Theological Studies (THST)**

**THST 1000 Hebrew Bible/Old Testament: Theology, History, Interpretation**

*4 semester hours*

The Hebrew Bible/Old Testament introduces the foundational stories and traditions for Judaism, Christianity, and arguably, also Islam.

This course is a predominantly history based survey and introduction to the literature of the Old Testament/Hebrew Bible (in English) where students will encounter not only memorable stories, but provocative prophets, beautiful poetry, stirring stories, and ancient wisdom.

University Core fulfilled: Foundations: Theological Inquiry.

**THST 1010 New Testament Contexts**

*4 semester hours*

This course introduces students to the New Testament writings in their historical, literary, social/political, and religious contexts. Students will learn various methodological approaches to the study of the New Testament, as well as consider the history of interpretation and the role of modern social-location in the interpretive process.

University Core fulfilled: Foundations: Theological Inquiry.

**THST 1011 The Meaning of God: Biblical Reflections in Modern Perspective**

*4 semester hours*

Drawing on prominent biblical themes (creation, covenant, human sin, redemption, exile and return, prophetic witness, the Spirit/Wisdom of God, the mystery of a crucified messiah, etc.), this course traces the twists and turns of the biblical narratives as the basis for theological reflection on human existence in relation to the divine.

University Core fulfilled: Foundations: Theological Inquiry.

**THST 1012 Moses, Marx, Messiah**

*4 semester hours*

Reading Jesus through Moses plants the seeds of Jesus as Revolutionary Teacher in human history. Once we establish a Biblical social Radicalism in a reading of Moses and Jesus as Messiah, this course goes on to examine examples in Christian history of revolutionary Christian movements for change that were deeply rooted in Biblical ethics. Some of these movements came into dialogue with Marxism in the 20th Century, creating significant examples of dialogue such as Liberation Theology and European

Christian-Marxist dialogue. What will revolutionary Christian movements look like in the 21st Century?  
University Core fulfilled: Foundations: Theological Inquiry.

### **THST 1020 American Catholicism**

*4 semester hours*

This course is an examination of Catholics' search for transcendent meaning throughout the history of the United States. It examines the way Catholicism has formed in a historically Protestant land from its diverse colonial origins (Spanish, French, and English) through successive waves of immigration to today's multicultural context.  
University Core fulfilled: Foundations: Theological Inquiry.

### **THST 1030 Exploring the Catholic Theological Tradition**

*4 semester hours*

This course will introduce the structure, teachings, and practices of the Catholic tradition, including key historical, theological, and practical contours in dialogue with contemporary questions.  
University Core fulfilled: Foundations: Theological Inquiry.

### **THST 1031 Eastern Orthodox Theology**

*4 semester hours*

This course introduces students to the primary theological teachings of the Eastern Orthodox Church. The course explores theology through written sources and the lived tradition of Orthodox communities and treats topics such as life and death, sin, religious identity, the meaning of community, saints, Mary, iconography and music, postmodernity, and growing close to God.  
University Core fulfilled: Foundations: Theological Inquiry.

### **THST 1040 Christian Liturgy, Prayer, Sacrament**

*4 semester hours*

This course explores how Christian liturgy, prayer, and sacraments reveal what Christians believe and how they understand and relate to God by closely examining select ritual practices. The course will provide an overview of liturgy, personal and communal prayer, and sacramental celebrations.  
University Core fulfilled: Foundations: Theological Inquiry.

### **THST 1050 In Search of a Way: Spirituality, Faith, and Culture**

*4 semester hours*

This course will introduce students to the meaning and significance of spiritual practice in its distinctively Christian expressions and expressions associated with other traditions. The focus of the course is on "lived religion"—the embodied, eclectic and often improvisational character of spiritual experience, both collective and individual. It also seeks to understand the critical role of practice in shaping spiritual meaning and identity.  
University Core fulfilled: Foundations: Theological Inquiry.

### **THST 1060 God and the Good: An Introduction to Christian Ethics**

*4 semester hours*

This course provides a broad survey of foundational texts and ideas that have contributed—and continue to contribute—to the vast, diverse, and living body of moral thinking that constitutes "Christian Ethics."  
University Core fulfilled: Foundations: Theological Inquiry.

### **THST 1080 Comparative Theology**

*4 semester hours*

This course takes a comparative approach to theological inquiry, examining fundamental religious questions in relation to two or three religious traditions (one of them being Christianity). The course emphasizes comparative analysis of primary religious sources and focuses on how diverse religious approaches to questions of ultimate concern might be mutually illuminative. The course also

includes interactive encounters with practitioners of the religious under consideration.  
University Core fulfilled: Foundations: Theological Inquiry.

### **THST 1500 World Religions of Los Angeles**

*4 semester hours*

This course is an introduction to the academic study of religion and of world religions, and to the religious traditions of Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam, and other current religious trends. Special emphasis is placed upon how these religious traditions have emerged within the context of Los Angeles, how they have changed, grown, and adapted to their new surroundings.

University Core fulfilled: Foundations: Studies in American Diversity.

### **THST 1501 Queering Race, Religion, and Ethnicity**

*4 semester hours*

This course will explore the intersections of race, religion, and ethnicity from perspectives evolving from the field of Queer Theory and grounded in the experiences of LGBT persons/communities. The course examines historical, political, social, and religious dimensions associated with the emergence of LGBT realities.  
University Core fulfilled: Foundations: Studies in American Diversity.

### **THST 1502 Christianity and Native America**

*4 semester hours*

Christianity has been at the root of incredible suffering of indigenous peoples in the Americas, but it is also the source of great inspiration and resistance to oppression for many Native Christians as well. In this course, which involves an actual train journey from Los Angeles to Albuquerque and back (making important stops along the way), we will explore the centuries of Christian contact with Native peoples—the bad and the good. Two weeks of class on campus, and then a one-week train journey (no extra charges—costs of train trip included in tuition). Summer only.  
University Core fulfilled: Foundations: Studies in American Diversity.

### **THST 1998 Special Studies**

*1 TO 4 semester hours*

### **THST 1999 Independent Studies**

*1 TO 4 semester hours*

### **THST 2998 Special Studies**

*1 TO 4 semester hours*

### **THST 2999 Independent Studies**

*1 TO 4 semester hours*

### **THST 3020 Late Antique and Medieval Western Christianity**

*4 semester hours*

This course provides an introduction to aspects of Christian thought and practice from the first centuries through the late Middle Ages. We study the emergence of Christianity in the Roman empire, the rise of Christianity in late antiquity as well as early- and late-medieval expressions of Western Christianity.  
University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **THST 3021 The History of Christianity from the Middle Ages to the Present**

*4 semester hours*

This course traces central themes and developments within Christian thought and practice from the Middle Ages to the present. With a special emphasis on Western Christianity, the course examines major themes, which may include: church and empire; power and authority; monasticism; asceticism, and the concept of sanctity; the development of Christian theologies and tensions

between heresy and orthodoxy; religious order; mysticism; reform and reformation; councils; feminist and liberation theologies. University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **THST 3022 Women in Christian History**

*4 semester hours*

This course examines the changing roles and perceptions of women in Christian history from its incipience to the 21st century. It highlights the impact of women's voices on the development of Christian thought and practice. This course puts into dialogue historical sources about and by women with contemporary readings and critiques.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **THST 3100 Judaism: Religion, History, Culture**

*4 semester hours*

This course will explore central aspects of Judaism from ancient to modern times (up to the beginning of the 20th century). It will focus on select texts and works of art, which mark significant moments in Jewish thought and practice. By examining Jewish text and art, students will learn how Judaism developed through negotiations with the traditions of the past as well as with the changing conditions of the present.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

### **THST 3200 Prophecy and Bible in New Zealand**

*4 semester hours*

New Zealand is not only one of the most beautiful countries in the world—but one of the most fascinating. In this course, students will be introduced to the Prophets of the Old Testament but then explore how the Maori (the indigenous people of New Zealand) uniquely engaged the Prophetic tradition of the Bible as they embraced Christianity. Maori Prophets arose in the 19th Century, modeled heavily on the Biblical Prophets, and these Prophets led fascinating and inspiring movements that continue to inspire the Maori (and those of us who learn about them) to this day. Summer Only—New Zealand Study Abroad course.

University Core fulfilled: Integrations: Faith and Reason.

### **THST 3210 Apostle Paul: Then and Now**

*4 semester hours*

An examination of the life and letters of Paul, with attention to the social, historical, literary, and theological contexts in which he lived and worked. The course also addresses contemporary issues in the interpretation of Paul's letters.

University Core fulfilled: Integrations: Faith and Reason.

### **THST 3211 Jesus in Gospel and Film**

*4 semester hours*

An exploration of various portraits of Jesus in the Gospels, the identity of the historical Jesus, and contemporary interpretations of Jesus in various films.

University Core fulfilled: Integrations: Faith and Reason.

### **THST 3212 Theology after Crisis**

*4 semester hours*

This course engages significant questions surrounding crisis and tragedy in the modern world. This course surveys how trauma at the international, communal, and personal levels of experiences are explained through the lens of faith in biblical traditions.

University Core fulfilled: Integrations: Faith and Reason.

### **THST 3220 Eastern Christian Traditions**

*4 semester hours*

This course surveys Eastern Christian theological traditions by

studying the history, theology, and practices of Oriental Orthodoxy, the Eastern Orthodox Church, and Eastern Catholic churches.

Topics of more intense study will include the emergence of monasticism and its contribution to spirituality, Eastern liturgical and iconographic practices, surveys of ancient and contemporary hagiography, the Eastern views on Christology, the Church (ecclesiology), and the laity (marriage and moral theology), the ecumenical relationships among the Eastern churches, and between Eastern churches and the Roman Catholic Church.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning, Writing.

### **THST 3221 Greek Orthodox Tradition**

*4 semester hours*

This course approaches the study of the Greek Orthodox Church, also known as the Orthodox Church or Byzantine Christianity, from the theological, historical, cultural, and artistic perspectives.

Students will study the Greek Orthodox Tradition in the context of the history of Roman, Byzantine and Ottoman Empires and the political and cultural changes in those years.

University Core fulfilled: Integrations: Faith and Reason.

### **THST 3222 European Christianity: Schism, Reform, and Ecumenical Dialogue**

*4 semester hours*

This course focuses on the theological, historical, cultural, and political factors that have shaped the European Christian communities. The course addresses theological questions in light of divergent perspectives about the authority and interpretation of Scripture, the authority of tradition and the Church, the meaning of individual and communal religious experience, and the prospects for ecumenical dialogue.

University Core fulfilled: Integrations: Faith and Reason.

### **THST 3223 Mystics and Heretics**

*4 semester hours*

This course explores the construction of otherness as it is related to divergent visions of authentic imitation of Christ and experiences of the presence of God. Spanning from late antiquity to the present, the course studies, among others, Augustine, Francis and Clare of Assisi, the Waldensians, the Humiliati, Meister Eckhart, Julian of Norwich, Thomas Merton, Leonardo Boff, Dorothy Day and the Catholic Worker movement, and the IHM sisters.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning, Writing.

### **THST 3224 Heretics, Monsters, and Poets**

*4 semester hours*

This course examines the constructions of otherness and estrangement in theological and literary texts spanning from antiquity to the present. The course aims to shed light on the persistent redefinitions of and tensions regarding orthodoxy, heresy, and otherness in the Christian traditions.

University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

### **THST 3230 Jesus, Kingdom, Church**

*4 semester hours*

The course will focus on Christology from two perspectives, the Jesus of history, recovered through critical, historical investigation, and the Christ of faith as the person and work of Jesus is understood in light of Christian faith. The contemporary optic considers salvation, mission, and Church.

University Core fulfilled: Integrations: Faith and Reason; Flag: Information Literacy.

### **THST 3231 Catholicism after Vatican II**

*4 semester hours*

The course will study Catholicism in terms of the Council documents, at the same time looking at contemporary Catholicism, including young adult Catholics, the Catholic sacramental imagination, and the current questions over liturgy, sexuality, evangelization, and contemporary divisions in the Church. University Core fulfilled: Integrations: Faith and Reason.

### **THST 3232 U.S. Latin@ Theology**

*4 semester hours*

Rooted in the experiences of contemporary Latin@ communities living in the United States, this course explores the unique contributions and challenges presented by the embodiment of Christian theology with a Latin@ flavor. University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

### **THST 3233 Merton and Day**

*4 semester hours*

A seminar on two outstanding twentieth century Catholics, both converts: Trappist monk Merton popularized an engaged contemplation, Dorothy Day co-founded the Catholic Worker Movement and is responsible for the development of modern Catholic social radicalism. University Core fulfilled: Integrations: Faith and Reason.

### **THST 3234 The Last Things**

*4 semester hours*

This course engages a variety of perspectives on "The Last Things" or, Eschatology. Readings engage biblical, global, feminist, philosophical, and cultural issues in eschatology. In particular, we will examine why the 20th century has been called "the century of eschatology." University Core fulfilled: Integrations: Faith and Reason.

### **THST 3235 Atheism**

*4 semester hours*

Theology, as it relates to modern atheism, asks the following central questions: Is atheism a negative and nihilistic belief? Is it characterized by a rejection of values? Is it a thorough rejection of religion? Is atheism solely a modern phenomenon of a scientific mindset? What is its case against theism? Can a moral case be made for atheism? What kind of philosophical arguments does atheism employ? Is it only present in Christian contexts? What are some Christian responses to atheism? University Core fulfilled: Integrations: Faith and Reason.

### **THST 3236 God and the Human Experience**

*4 semester hours*

This course examines the modes of discourse, levels of reflection, and diverse experiences of individuals and communities in the search for God. University Core fulfilled: Integrations: Faith and Reason.

### **THST 3237 Sex and the City of God**

*4 semester hours*

This course examines discourse on body and sexuality in different religious traditions with a special emphasis on Christianity. Employing a variety of theological methods, the course probes gender theories, theologies of the body, and perspectives on sexuality in pertinent primary and secondary sources. University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

### **THST 3238 Theology and Science**

*4 semester hours*

This course engages the meaning, methods, and implications of sustained dialogue between theology and science. Exploring the

development of the scientific method and its challenges for traditional theological discourse and religious symbols, the course compares and contrasts four views of science and religion: Conflict; Independence; Dialogue; Integration. University Core fulfilled: Integrations: Faith and Reason.

### **THST 3239 Christian Holiness: Being Human, Becoming God**

*4 semester hours*

This class will study Christian notions of sanctity in the Catholic, Orthodox, and Protestant traditions. The concept of "the communion of saints" will be explored both in formal academic theological reflection but also by means of reference to the genres of hagiography and to the writings of canonized saints and other exemplary figures. University Core fulfilled: Integrations: Faith and Reason.

### **THST 3240 Water, Word, and Wine**

*4 semester hours*

This course will explore how Christian sacraments reveal what Christians believe and how they understand and relate to God by closely examining select ritual practices. We will explore rituals such as Baptism and Eucharist, and attempt to articulate their meaning by defining symbols such as water, food, oil, and the role of the body in worship. We will consider how ritual participation reveals a Christian's relationship with God and the human community, and how worship shapes daily Christian life and identity. University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning, Writing.

### **THST 3241 Meeting Christ in Faith and Art**

*4 semester hours*

A study of the ways Christianity has formed and explored the figure of Jesus Christ interlaced with creative expressions in multiple art forms. University Core fulfilled: Integrations: Faith and Reason.

### **THST 3242 Faith and the Management Profession**

*4 semester hours*

This course immerses students into a critical theological reflection on the business profession as a vocation serving the global and local communities. The tripartite structure consists of studying the theology of the priesthood of the people, examining Catholic magisterial teaching on faith and business, and reflecting on how the Christian vocation of management applies to daily work dynamics. University Core fulfilled: Integrations: Faith and Reason.

### **THST 3243 African American Religious Traditions**

*4 semester hours*

This course follows the struggles and triumphs of African Americans through various theological developments and contributions of selected African American religious leaders and intellectuals. We will explore the ways in which religious thought, practices, and experiences become critical modes of resistance and liberation when confronting oppressive cultural, economic, and socio-political structures. University Core fulfilled: Integrations: Interdisciplinary Connections.

### **THST 3250 Psychology, Spirituality, Transformation**

*4 semester hours*

This course will explore two related questions: 1) What constitutes optimal human growth and development from the perspectives of both psychology and Christian spirituality? and 2) What constitutes a holistic Christian spirituality that integrates wholeness and holiness? University Core fulfilled: Integrations: Faith and Reason.

### **THST 3251 Practice of Everyday Life**

#### *4 semester hours*

A critical examination of ordinary practices of everyday life as a source for spiritual knowledge and social-political transformation. University Core fulfilled: Integrations: Faith and Reason; Flag: Engaged Learning.

#### **THST 3252 Orthodox Christian Spirituality**

##### *4 semester hours*

This course will introduce students to the rich spiritual tradition of Eastern Orthodox Christianity. Students will examine principles of spiritual development and various dimensions of spirituality from the time of the desert fathers and ancient monastic traditions to the present.

University Core fulfilled: Integrations: Faith and Reason.

#### **THST 3260 Thinking Well, Doing Right**

##### *4 semester hours*

This course will examine how different theories of knowledge influence and determine what constitutes and motivates "right action." The course will seek to go beyond current competing ideas of justice (e.g., the primacy of equality vs. the primacy of freedom) to identify and analyze the epistemological presuppositions underlying those conceptions.

University Core fulfilled: Integrations: Faith and Reason.

#### **THST 3261 Voluntary and Involuntary Poverty**

##### *4 semester hours*

This course will explore the phenomenon of "being poor" in different religious and non-religious contexts with the goal of understanding how poverty can both undermine and advance the human good. The course will examine what human good(s) poverty violates and what justifies those goods as "goods," especially in light of the claim—present in many religious traditions, and, especially, the Catholic monastic tradition—that poverty, properly understood, can constitute a good itself.

University Core fulfilled: Integrations: Faith and Reason.

#### **THST 3262 Visioning the Troubles: Catholics and Protestants in Northern Ireland**

##### *4 semester hours*

This course is designed to introduce students to that moment in history known as the Troubles of Northern Ireland (ca. 1968-1998) through the lens of art, film, propaganda pamphlets, and scholarly production. Students will be challenged to consider the relationship between faith traditions versus cultural and national identity in Northern Ireland (and as by-product, the world in which they exist).

University Core fulfilled: Integrations: Faith and Reason.

#### **THST 3270 Local Faith Communities in U.S. Society**

##### *4 semester hours*

This course, which includes a writing flag, critically examines the role of local faith communities in the United States through a combination of social scientific study and theological reflection. The course will emphasize Roman Catholic parishes but will also look at mainline Protestant, Evangelical, and Pentecostal communities with some comparison to Jewish and Muslim congregations as well.

University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

#### **THST 3271 Ministry and Pastoral Leadership**

##### *4 semester hours*

This course—which includes both an oral presentation and engaged learning flag—invites students into the examination and the practice of Christian (especially Roman Catholic) pastoral ministry and leadership, including exploration of the relationship between ministry and personal transformation, human suffering, the secularization of society, social justice, and intercultural and interreligious

relationships. All students will be required to engage in 24 hours of service in a faith community of their choice throughout the semester. University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning, Oral Skills.

#### **THST 3280 Pop Hinduism**

##### *4 semester hours*

This course brings together critical theory and Hindu theology in order to examine the representation of Hinduism in American popular culture and assess how American popular culture has portrayed Hinduism in creative and sometimes problematic ways. Students analyze the relationship between theology and culture, employ the academic disciplines of theology and popular culture studies, examine the diverse theological traditions of Hinduism, evaluate popular representations of Hinduism, and appreciate the extent to which Hinduism has become a part of American popular culture.

University Core fulfilled: Integrations: Faith and Reason; Flags: Information Literacy, Writing.

#### **THST 3281 Islam in America**

##### *4 semester hours*

This course provides an introduction to Islam and a detailed understanding of Islam in the American context. It examines the history of American Islam that goes back to the transatlantic slave trade and discusses how American Muslims have helped in the construction of what it means to be "American."

University Core fulfilled: Integrations: Faith and Reason; Flags: Oral Skills, Writing.

#### **THST 3282 Buddhism**

##### *4 semester hours*

This course will investigate the historical origins and theological developments of Theravada, Mahayana, and Vajrayana Buddhism, and also explore Buddhism in America.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning, Writing.

#### **THST 3283 Hinduism, Jainism, Yoga**

##### *4 semester hours*

This course will examine key ideas from the Vedas and Upanisads, the ethics of Jainism, and the spiritual practices of Yoga.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning, Writing.

#### **THST 3284 Sikhism**

##### *4 semester hours*

This course will investigate the emergence of Sikhism, the fifth largest religion of the world, through a study of its ten gurus and its key theological tenets.

University Core fulfilled: Integrations: Faith and Reason; Flags: Engaged Learning, Writing.

#### **THST 3285 Women and Religion**

##### *4 semester hours*

This course utilizes feminist theory and theology to analyze the religions of the world as they affect and are affected by women. Students connect major religious beliefs and practices to the oppression and liberation of women, employ feminist theory to analyze those beliefs and practices, and appreciate the roles that women play in shaping and re-shaping their religious traditions.

University Core fulfilled: Integrations: Faith and Reason; Flags: Information Literacy, Oral Skills.

#### **THST 3286 Religion and (Non) Violence**

##### *4 semester hours*

This course draws on theology and peace and conflict studies in order to understand the relationship between religion and violence.

Students examine theories of religious violence, analyze how religions have understood and enacted either violence or nonviolence, and assess the role of religion in peacebuilding. University Core fulfilled: Integrations: Faith and Reason.

### **THST 3287 Sacred, Sinister, Strange**

*4 semester hours*

This course examines the ways in which religious traditions and speculative sources reflect on the mysteries of self, other, evil, and the divine through stories of terrifying creatures, otherworldly visitors, tricksters, and bloodthirsty deities. The class interrelated theology, philosophy, and critical theory in order to assess the significance of the monstrous and alien.

University Core fulfilled: Integrations: Faith and Reason; Flags: Information Literacy, Oral Skills.

### **THST 3560 Punishment and Mercy**

*4 semester hours*

Engaging theological, philosophical, and legal thinkers, this course will explore the many theoretical and practical difficulties which arise in attempting to reconcile an effective and just system of social punishment with the virtue of mercy.

University Core fulfilled: Integrations: Ethics and Justice; Flags: Information Literacy, Oral Skills.

### **THST 3561 Christian Marriage and Sexuality**

*4 semester hours*

This course explores theological perspectives on love, marriage, sexuality, and family. It constructively engages issues such as artificial birth control, divorce, cohabitation, same-sex marriage, and IVF and places diverse theological positions in conversation with other disciplines and contemporary contexts.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

### **THST 3562 God and the Political Order**

*4 semester hours*

This course examines the relationship between beliefs about the nature of God and the human good and the justifications for, and character of, different kinds of political orders.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

### **THST 3563 Love and Justice**

*4 semester hours*

This course explores central themes, thinkers, methodologies, and topics in Christian ethics principally around the themes of justice and love. The course engages in a critical analysis of love and justice with respect to theories about justice and basic goods and with respect to case studies such as bioethics, sexual ethics, ethics and politics, war and peace, and ethics, race, and culture.

University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

### **THST 3564 Ethics and Justice in Dante's Inferno**

*4 semester hours*

This is a semester-long, close reading of the *Inferno*, the first part of Dante's three-part *Divine Comedy*. We examine Dante's understanding of divine justice as manifested in hell's punishments and its structure. We focus especially on Dante's understanding of justice as moral virtue and call form the *Inferno* his theoretical framework of ethical analysis.

University Core fulfilled: Integrations: Ethics and Justice.

### **THST 3740 The Lord's Supper: Historical, Theological, and Ethical Perspectives**

*4 semester hours*

This course will critically engage the historical, theological, and

ethical dimensions of the Eucharist. The historical overview and ensuring theological exploration will focus on particular Eucharistic issues that have implications for virtue and justice, power and privilege, and cultural conditions.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **THST 3741 Religion and Film**

*4 semester hours*

This course is as much about the use of film to study religion as it is about the use of religion to study film. In other words, we will use different films to facilitate discussion about various dimensions of and issues in religion, and we will use images, metaphors, and teachings found in religion to discuss the layers and elements portrayed on screen.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

### **THST 3750 Into the Desert**

*4 semester hours*

An exploration of the desert as a root metaphor for deep spiritual experience and place of social, political struggle.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

### **THST 3751 Sacred Place**

*4 semester hours*

An examination of the significance of place and place-making in the development of personal, cultural, and spiritual identity.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **THST 3752 Contemplatives in Action: Psychology, Spirituality, and Liberation**

*4 semester hours*

An exploration of how contemplative practice can deepen and give meaning to ordinary human existence.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **THST 3780 World Religions and Ecology**

*4 semester hours*

This interdisciplinary service learning course will explore how religious ideas and practices can respond to the contemporary environmental crisis.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Engaged Learning.

### **THST 3781 Death and Dying in the World's Religions**

*4 semester hours*

This course is a cross-cultural look at death and dying in several different religious traditions (Hinduism, Buddhism, Judaism, Christianity, Islam, and Primal [Native] traditions). We will also examine common themes in these different traditions, and how they help us to understand the lives and deaths of women, children, and men.

University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

### **THST 3782 The Architecture of Politics and Religion: Theories of Civic and Sacred Space**

*4 semester hours*

This course examines architecture as an important factor in the formation of social and political order. It explores the rich interface between the built environment and its civic and religious orders from an interdisciplinary perspective, engaging with theories of politics, religion, and architecture.

University Core fulfilled: Integrations: Interdisciplinary Connections.

### **THST 3998 Special Studies**

*1 TO 4 semester hours*

**THST 3999 Independent Studies**

1 TO 4 semester hours

**THST 4010 Gospel of Mark**

4 semester hours

A comprehensive verse by verse exegesis of the Gospel of Mark. Students will situate the Gospel of Mark within the Early Christian genre of gospel and place it in conversation with the other Synoptic Gospels.

THST majors/minors only.

**THST 4011 New Testament Theology**

4 semester hours

An examination of various historical, literary, theological, and ethical issues in the interpretation of the New Testament, especially the Gospels and the Pauline epistles.

THST majors/minors only.

**THST 4020 Early Christian Theology**

4 semester hours

A study of the development of Christian theology from the Apostolic Fathers through the period of the Cappadocians to the era of Jerome and Augustine.

THST majors/minors only.

**THST 4021 Medieval Religious Thought and Practice**

4 semester hours

An introduction to Christian thought and practice in the late Middle Ages through a detailed consideration of select topics: God; Saints; Mary; Demons, Body and Soul; Rituals (especially the eucharist); Death and the Afterlife.

THST majors/minors only.

**THST 4022 Heresy and Mysticism**

4 semester hours

An examination of medieval heretics' and mystics' contribution to the richness of their traditions. This class emphasizes issues of gender, authority, class, and culture, tracing developments of heresy and mysticism from late antiquity through the Middle Ages.

THST majors/minors only.

**THST 4023 Medieval Theology**

4 semester hours

Selected topics on medieval theology such as the development of a specifically Christian culture, the tensions between religion and empire and between popular and institutional forms of religious expression, and monastic and scholastic theological methods.

THST majors/minors only.

**THST 4030 Theology and History of Vatican II**

4 semester hours

This course explores Roman Catholic theology by reading the major Conciliar documents and analyzing the social and historical context, with emphasis on ecumenism, historical understanding, and the recovery of the biblical tradition.

THST majors/minors only.

**THST 4031 Christology**

4 semester hours

An investigation of the Christology of the New Testament, the early councils, and contemporary issues in Christology.

THST majors/minors only.

**THST 4032 Rahner**

4 semester hours

A study of the life, context, and theology of Karl Rahner.

THST majors/minors only.

**THST 4033 Theotokos**

4 semester hours

This course examines the theology of the Mother of God, from its biblical foundations, through the patristic and medieval periods, into the modern appropriations of Mariology by Protestant and feminist scholars.

THST majors/minors only.

**THST 4034 Theology of Liberation**

4 semester hours

A study of recent Latin American theology as a Christian response to current political, social, and economic injustice in Latin American countries.

THST majors/minors only.

**THST 4035 Dante's Divine Comedy**

4 semester hours

An exploration of Dante's vision of hell, purgatory, heaven and humanity in Dante's *Divine Comedy* through a close reading of the text in translation. We highlight the theological significance of Dante's work and its literary and political aspects.

THST majors/minors only.

**THST 4040 Eucharistic Theology**

4 semester hours

An in-depth study of the theology of the Eucharist from an ecumenical perspective, highlighting the teaching of the Roman Catholic Church.

THST majors/minors only.

**THST 4041 The Art and Theology of the Icon**

4 semester hours

The course traces the origins of Christian iconography, examining the theological controversies which shaped the icon tradition, leading students to read the subtle and rich theological messages encoded in these mysterious images.

THST majors/minors only.

**THST 4050 Topics in Christian Spirituality**

4 semester hours

A survey of key persons and movements in the history of Western Christian spirituality.

THST majors/minors only.

**THST 4051 Ignatian Spirituality**

4 semester hours

A study of the spirituality of Ignatius of Loyola based on a close reading of his *Spiritual Exercises* and contemporary writings on Ignatian themes.

THST majors/minors only.

**THST 4060 Christian Ethics and Social Responsibility**

4 semester hours

This course critically examines biblical, theological, and ethical texts related to social responsibility in light of contemporary issues.

THST majors/minors only.

**THST 4061 Christian Ethics and HIV/AIDS**

4 semester hours

This course analyzes how distinct approaches and sources in Christian ethics, including elements of scripture, tradition, sexual ethics, virtue ethics, and social ethics interact as they relate to confronting the AIDS crisis.

THST majors/minors only.

**THST 4062 Topics in Theological Ethics**

*4 semester hours*

An exploration of the history and methods of theological ethics with analysis of contemporary moral issues.

THST majors/minors only.

**THST 4070 Ministry to Youth and Young Adults**

*4 semester hours*

The course examines the theory and practice of ministry with and for youth and young adults, with emphasis on faith development, community building, justice and service education, advocacy, and guidance of youth and young adults.

THST majors/minors only.

**THST 4080 Topics in Comparative Theology**

*4 semester hours*

Multiple religious perspectives will be utilized in this course to explore one or more topics of theological concern, such as violence and nonviolence, myth and symbol, modes of spirituality, images of God, and/or multicultural religious presence in Los Angeles.

THST majors/minors only.

**THST 4081 Islam in the Modern World**

*4 semester hours*

An introduction to the contemporary Islamic religious tradition, including Muslim approaches to modernity, major reformers of Islam in the modern world, Muslim feminism, and the role of Islam in North America.

THST majors/minors only.

**THST 4082 Hindu and Jaina Theology**

*4 semester hours*

In this course we study in depth primary sources of these two traditions, including the *Rig Veda*, the Upanisads, the *Yoga Sutra*, and the *Tattvarthasutra*.

THST majors/minors only.

**THST 4090 Major Theological and Religious Thinker**

*4 semester hours*

An examination of the theological work of one major thinker, studying the work both as an integrated theological statement and as a part of continuing theological dialogue.

This course may be repeated for credit.

THST majors/minors only.

**THST 4091 Major Theological and Religious Theme**

*4 semester hours*

The course stresses the integration of the various dimensions and methods of Theological Studies.

Senior standing required.

THST majors and minors only.

**THST 4998 Special Studies**

*1 TO 4 semester hours*

**THST 4999 Independent Studies**

*1 TO 4 semester hours*

**THST 6000 Foundations of Old Testament Theology**

*3 semester hours*

This course examines central issues in the interpretation of the Hebrew Bible, with attention to sociological, historical, literary, and theological dimensions of the Hebrew Bible, as well as the methodology of interpretation.

**THST 6010 Foundations of New Testament Theology**

*3 semester hours*

This course presents critical issues in current biblical interpretation of the New Testament. In particular, attention is given to the

significance of historical, literary, social, and theological aspects of the New Testament writings, as well as to contemporary interpretive methodologies and the pastoral dimensions of interpretation.

**THST 6011 Gospel of Matthew**

*3 semester hours*

This course examines the historical, literary, and theological contexts of the Gospel of Matthew, in conversation with modern theological issues and method.

**THST 6012 Gospel of Mark**

*3 semester hours*

This course examines the historical, literary, and theological contexts of the Gospel of Mark, in conversation with modern theological issues and method.

**THST 6013 Luke-Acts**

*3 semester hours*

This course examines the historical, literary, and theological contexts of Luke-Acts, in conversation with modern theological issues and method.

**THST 6014 Gospel of John**

*3 semester hours*

This course examines the historical, literary, and theological contexts of the Gospel of John, in conversation with modern theological issues and method.

**THST 6015 Topics in the Gospels**

*3 semester hours*

This course explores aspects of contemporary studies of the Gospels, focusing on one of the canonical Gospels and its relations to other canonical and non-canonical Gospels, with attention to the search for the historical Jesus, the investigation of the Evangelist's communities and traditions, and later theological appropriations of the Gospels.

This course may be repeated for credit.

**THST 6016 Paul the Apostle**

*3 semester hours*

This course explores the life and letters of Paul in their historical, literary, social, and theological contexts, as well as issues in contemporary interpretation of Pauline theology.

**THST 6020 Foundations of Historical Theology**

*3 semester hours*

A study of the specific role which historical investigation plays in constructive and critical theology; this study uses, as its major case study, the development of the Christian doctrine of God and Christ as articulated in the classical period and developed up to the scholastic period.

**THST 6021 Early Christian Theology**

*3 semester hours*

The emergence of theology in pastoral and liturgical reflection on the biblical tradition in the first six centuries of the church's life: theology from the time of Ignatius of Antioch to Gregory the Great.

**THST 6022 History of Christian Spirituality**

*3 semester hours*

This course will explore the rich and complex tradition of Christian spirituality, with a particular focus on the unfolding quest for wisdom within that tradition. Particular attention will be given to a) developing a critical approach to the study of Christian spirituality, b) understanding the relationship of spirituality and history, c) cultivating the art of reading classic spiritual texts, and d) retrieving classic themes of spirituality for contemporary use.

**THST 6023 Medieval Theology**

*3 semester hours*

An introductory survey beginning with Bede's retrieval and transformation of the patristic legacy and ending with the dissolution of the scholastic tradition.

**THST 6030 Introduction to Systematic Theology**

*3 semester hours*

This course investigates how theology attempts to translate the Christian message into new situations. Theological issues include revelation, faith, God and trinity, christology, the church, sin and grace, and sacramental and liturgical theology. Attention is given to their historical development as well as their contemporary significance, particularly in light of philosophical, cultural, and religious pluralism.

**THST 6031 Christology**

*3 semester hours*

An historical and systematic investigation of the Christian understanding of Jesus Christ and his significance for salvation. Topics include the historical Jesus, the Christ of faith, New Testament Christology, the early Christological councils, the historical development of philosophical Christology, and contemporary Christologies.

**THST 6032 Issues in the Contemporary Church**

*3 semester hours*

This course explores various ecclesiological and theological issues in the contemporary church, such as theologies of the church, authority and its exercise, ordained and unordained ministry, women in the church, ecumenism and the church of tomorrow.

**THST 6033 Feminist Theology**

*3 semester hours*

A study of feminist theology from its historical antecedents to its roots in the changing experience of women. It considers the essential methodologies of feminism, important feminist theologians, and the contributions of feminism to contemporary theology as a whole.

**THST 6034 U.S. Latino/a Theology**

*3 semester hours*

Latino theology develops in the tension between displacement and deep roots of communities in the territories that today constitute the U.S. This course surveys central theological questions as these are explored by these communities through a variety of primary texts, demographics, and engagement with current issues of concern to Hispanic Christians.

**THST 6040 Liturgical Theology: History and Interpretation**

*3 semester hours*

This course examines the foundational period of the early church as the setting for the establishment of liturgy and its synthesis with culture. The methodology involves an exploration of liturgy in particular cultural contexts, including the important Christian centers of Jerusalem, Antioch, North Africa, Rome, and Constantinople, and the contemporary theological implications of these developments.

**THST 6041 The Rites**

*3 semester hours*

This course will survey several of the seven official sacraments of the Roman Catholic Church in both their historical development and their liturgical practice, focusing on five in any given semester.

**THST 6042 Sacraments and Sacramentality**

*3 semester hours*

An in-depth study of the theology of Christian sacraments and the symbolization of divine grace.

**THST 6043 Faith and Culture**

*3 semester hours*

An exploration of the nature of faith and culture and their interrelationship. An analysis of interculturalism and its relevance to ministry and pastoral care in church and society.

**THST 6050 Issues in Christian Spirituality**

*3 semester hours*

This course examines some of the issues of contemporary Christian spirituality in the light of how certain exemplary Christians in earlier ages envisioned them. Questions such as the nature of spirituality, the integration of a contemplative attitude in life activity, Christian freedom, images of God, and the role of culture in the formation of spirituality are addressed.

**THST 6051 The Theory and Practice of Spiritual Direction**

*3 semester hours*

This course seeks to further the student's understanding of spiritual direction as a form of pastoral care and as a helping relationship. Among the topics to be considered are: various forms of spiritual guidance within the Christian tradition, the distinctive nature of spiritual direction, the qualities and skills required to be an effective spiritual director, and the role of spiritual direction in facilitating spiritual growth and development.

**THST 6052 Ignatian Spirituality and Discernment**

*3 semester hours*

This course seeks to further the student's understanding of the spirituality of Ignatius of Loyola by a close reading of his spiritual classic, *The Spiritual Exercises*, and by a study of contemporary writing on Ignatian spirituality. Praxis, the reflection upon experience, is a central aspect of this course and reflects the hypothesis that some of the dynamics of the Spiritual Exercises can be experienced by individuals in a group learning situation when they are approached in a critical and prayerful way.

**THST 6053 Psychological Foundations of Spiritual Direction**

*3 semester hours*

This course focuses on the psychological dynamics of spiritual direction as a helping relationship, as well as the cultivation of communication skills needed to be an effective spiritual director. Principal topics to be covered include the following: how spiritual direction differs from psychotherapy; the importance of self-knowledge and personal awareness on the part of helpers; the nature of empathic understanding and its relationship to psychological and spiritual growth; basic counseling skills.

**THST 6054 Practicum and Supervision in Spiritual Direction**

*3 semester hours*

The art of spiritual direction is best fostered through practice and reflection on that practice in a supervisory setting. This course will give students an opportunity to grow in spiritual direction skills, self-awareness, and interior freedom under the guidance of experienced spiritual directors.

**THST 6060 Foundations of Theological Ethics**

*3 semester hours*

This course familiarizes students with the language of Christian moral discourse. By focusing on methodological issues and the sources informing Christians about their moral life, students identify the complex personal dynamics of being and becoming Christian.

**THST 6061 Catholic Social Teachings**

*3 semester hours*

A study of the last one hundred years of Catholic social teachings, including papal encyclicals from Leo XIII to John Paul II, conciliar documents from Vatican II, and statements and letters issued by episcopal conferences and episcopal synods.

**THST 6062 Issues in Moral Theology Today**

3 semester hours

This course examines the writings of rival moral theologians today and their competing perspectives. Particular practical problems to be discussed vary and may include business ethics, sexual ethics, war and peace, and social ethics.

**THST 6063 Issues in Bioethics**

3 semester hours

This course will introduce the student to the basic theological concepts, frameworks, and analyses that have been used by both Catholic and Protestant theologians in their discussions of bioethics. Topics such as assisted reproductive technologies, abortion, genetic control, care of severely handicapped neonates, death and dying, and the meaning and application of "quality of life" to contemporary issues will be discussed in both lecture and seminar formats.

**THST 6070 Foundations of Pastoral Theology**

3 semester hours

A review of the biblical, historical and theological sources for constructing a theology of pastoral ministry which is appropriate to various contemporary pastoral settings and functions. The relationship between pastoral theology and other branches of theology is considered.

**THST 6071 Pastoral Approaches to Religious Education**

3 semester hours

An exploration of, and reflection on, the history and theory of Christian religious education, treating the relationship between religious education and allied fields of pastoral care, liturgy, justice and service activities which serve to foster the development of faith.

**THST 6072 Skills for Pastoral Ministry**

3 semester hours

This course, involving both theoretical and experiential learning, focuses on personal and interpersonal dynamics and skills that foster effective pastoral ministry. Topics include the spiritual formation of ministers, collaborative ministry, facilitating prayer, and a generic helping process for spiritual direction, pastoral counseling, and formation in various pastoral settings.

**THST 6073 Theory and Practice of Pastoral Leadership**

3 semester hours

This course offers the student an exploration of theories that can inform pastoral leaders about the exercise of effective leadership in pastoral settings and communities of faith. The course is an elective open to all students, but is required for the Concentration in Pastoral Leadership in the M.A. in Pastoral Theology.

**THST 6074 Spiritual Formation for Pastoral Ministry**

3 semester hours

This seminar seeks to foster a stronger link between academic learning and the personal and professional concerns of students especially as related to pastoral ministry.

**THST 6075 Pastoral Liturgy**

3 semester hours

This course examines the role of liturgy in the lives of Christians and their communities, exploring the tensions between liturgical norms and liturgy as practiced and experienced.

**THST 6076 The Theology of the Parish**

3 semester hours

This course focuses on the history, theology, and practice of Roman Catholic parishes in the United States. As an exercise in practical theology, students reflect on the lived practices in parishes and the theology of the church that emerges therefrom.

**THST 6077 Special Topics in Pastoral Theology**

3 semester hours

**THST 6078 Supervised Pastoral Field Education**

3 semester hours

**THST 6080 Comparative Theology**

3 semester hours

This course provides a review of the historical roots of the current situation of religious pluralism. It examines and evaluates relevant methodological proposals for comparative theology and clarifies the relationship of comparative theology to interreligious dialogue, the history of religions and the Christian theology of religions. It also offers an opportunity to engage in the practice of comparative theology through the interpretation of texts.

**THST 6081 Comparative Religious Ethics**

3 semester hours

This course begins with a comparative survey of ethics as found in the world's religious traditions. Specific issues such as war and peace, euthanasia, and environmentalism are then examined.

**THST 6082 Comparative Mysticism**

3 semester hours

In this course, Christian mysticism as found in the writings of Teresa of Avila and Meister Eckhart is compared and contrasted with the interior traditions of India and East Asia, including Samkhya, Yoga, Taoism, and Yogacara Buddhism.

**THST 6083 Hinduism, Vedanta, and Yoga**

3 semester hours

This course investigates primary sources, including the *Rig Veda*, the Upanisads, the *Bhagavad Gita*, and the *Yoga Sutra*.

**THST 6084 Buddhism**

3 semester hours

This course studies primary texts and history of Buddhism, with emphasis on theological praxis.

**THST 6085 Classics of Chinese Philosophy**

3 semester hours

(See PHIL 6565.)

**THST 6086 Readings in Religious Literature**

3 semester hours

This course entails the reading of primary texts in the original language.

May be repeated twice for degree credit.

**THST 6087 Jainism**

3 semester hours

This course studies primary texts and history of Jainism, with emphasis on theological praxis.

**THST 6088 Judaism**

3 semester hours

This course explores Judaism from ancient through modern times. It examines central ideas, practices, thinkers, texts, places, and events in Jewish history, with special attention to the relationships between Judaism and other religions.

**THST 6090 Graduate Pro-Seminar**

3 semester hours

The pro-seminar provides an orientation to various theological methods, tools, and modes of discourse in theological and pastoral studies (biblical, historical, systematic, moral, comparative, and pastoral theology).

**THST 6091 Pastoral Synthesis Seminar**

3 semester hours

**THST 6092 Comprehensive Exam Seminar**

3 semester hours

**THST 6093 Research and Writing Seminar**

3 semester hours

**THST 6998 Special Studies**

1 TO 3 semester hours

**THST 6999 Independent Studies**

1 TO 3 semester hours

**Urban Studies (URBN)****URBN 1000 The Urban World**

4 semester hours

An introduction to historic and contemporary cities, processes of urbanization, and urban society. Course topics include urban origins, urban economics, the internal structure of cities, urban infrastructure, urban social and cultural processes, urban physical and social environments, and city systems in the regional and global context.

**URBN 1010 Urban Analysis**

4 semester hours

An introduction to the resources and methodologies commonly utilized in contemporary urban research. Course topics include data sources such as the census, methodologies for spatial analysis such as GIS, quantitative and qualitative research design, map reading, and fieldwork strategies.

**URBN 1998 Special Studies**

1 TO 4 semester hours

**URBN 1999 Independent Studies**

1 TO 4 semester hours

**URBN 2998 Special Studies**

1 TO 4 semester hours

**URBN 2999 Independent Studies**

1 TO 4 semester hours

**URBN 3010 Metropolitan Los Angeles**

4 semester hours

An introduction of the social, economic, political, environmental, and spatial characteristics and dynamics of metropolitan Los Angeles in the context of postmodern urbanization in the United States.

**URBN 3045 Urban Planning**

4 semester hours

An introduction to the problems, principles, and practices of contemporary urban planning, especially in California and the United States.

**URBN 3046 Sustainable Cities**

4 semester hours

An examination of the challenges of and potential solutions to the sustainability of socioeconomic, environmental, and ecological systems associated with historic, contemporary, and future urbanization. Course topics include an analysis of the sustainability of historic and contemporary cities, the consideration of sustainable alternatives associated with such trends as New Urbanism, and the potential for alternative urban policies and practices designed to foster sustainability.

University Core fulfilled: Flag: Writing.

**URBN 3047 Community Development**

4 semester hours

An exploration of the meanings and methodologies of community development, especially in contemporary urban America.

**URBN 3998 Special Studies**

1 TO 4 semester hours

**URBN 3999 Independent Studies**

0 TO 4 semester hours

**URBN 4000 Senior Project**

4 semester hours

A supervised internship and directed research on a specific urban topic incorporating appropriate primary and secondary research methodologies and/or participant observation.

Senior standing or approval of the Program Director required.

University Core fulfilled: Flag: Writing.

**URBN 4998 Special Studies**

1 TO 4 semester hours

**URBN 4999 Independent Studies**

1 TO 4 semester hours

**Women's and Gender Studies (WGST)****WGST 1000 Introduction to Gender Studies**

4 semester hours

An interdisciplinary study of women in society through overview of the major issues, innovations, and debates that have characterized the field of Women's and Gender Studies. Course introduces history of feminist activism and discourse in the U.S.

University Core fulfilled: Explorations: Understanding Human Behavior.

**WGST 1100 Gender, Race, and Sexuality in Contemporary Society**

4 semester hours

An introduction to critical thinking skills about concepts such as gender, race, class, and sexuality, how these intersect in lives of women of color together with women's strategies of surviving, resisting, and overcoming barriers.

University Core fulfilled: Foundations: Studies in American Diversity.

**WGST 1998 Special Studies**

1 TO 4 semester hours

**WGST 1999 Independent Studies**

1 TO 4 semester hours

**WGST 2000 Women in Global Communities**

4 semester hours

This course introduces students to the cultural, social, political, and economic contexts in which non-Western women live. It addresses the impact of globalization, colonialization, and post-coloniality, and women's responses to these processes.

University Core fulfilled: Foundations: Studies in American Diversity.

**WGST 2200 Women's Bodies, Health, and Sexuality**

4 semester hours

This course addresses women's health and sexuality from a feminist perspective. It also deals with body images not only from the perspective of health but also in terms of their relationship to structures of power.

**WGST 2300 Mathematics: Contributions by Women**

3 semester hours  
(See MATH 261).

**WGST 2998 Special Studies**

1 TO 4 semester hours

**WGST 2999 Independent Studies**

1 TO 4 semester hours

**WGST 3000 Feminist Theories**

4 semester hours

Focuses on the historical roots of feminist political thought in relation to other social movements. Examines the intellectual traditions within feminist theory today such as postmodernism, psychoanalysis, postcolonial theory, queer theory, and the intersectional analyses produced by women of color. University Core fulfilled: Flags: Information Literacy, Writing. Junior or senior standing required.

**WGST 3100 Feminist Research Methods**

4 semester hours

Examines feminist methodologies through hands-on research and considers the complex relationships between researchers and their subjects, the impact of social location on our field of vision, ethical issues in the research process, as well as research that facilitates social and gender justice. Normally offered in the Fall semester. University Core fulfilled: Flags: Engaged Learning, Quantitative Reasoning. Junior or senior standing required.

**WGST 3200 Women and Environmental Justice**

4 semester hours

This course explores the relationships between peoples and environments, focusing on the roles and resources, identity, power relations, and geography. The course explores the theoretical and material implications of the different ways in which environmental injustice leads to the degradation of gendered environments and bodies. The course will provide multiple interdisciplinary perspectives on the state of gender, sexuality, race, ethnicity, and the environment. University Core fulfilled: Integrations: Interdisciplinary Connections; Flags: Engaged Learning, Writing.

**WGST 3300 Gender, Race, and the Graphic Novel**

4 semester hours

This course explores how the space of the graphic novel can serve as a cultural space for critical engagement with ideologies of race, gender, nation, class, and sexuality. Critically examining visual language that is presented in the graphic novel, students will examine the ways it challenges iconographic images of ethnic and gendered representation. University Core fulfilled: Explorations: Creative Experience.

**WGST 3301 Literature by Women of Color**

4 semester hours

The course explores contemporary literature by women of color in the United States and their immigrant experiences. It attends to the ways that authors imaginatively use genres to represent and challenge gender and race construction. University Core fulfilled: Flag: Writing.

**WGST 3302 The Image of Woman in Nineteenth-Century England**

4 semester hours  
(See ENGL 3342.)

**WGST 3303 Twentieth-Century Women's Writing**

4 semester hours  
(See ENGL 3343.)

**WGST 3304 Italian Women Writers**

4 semester hours  
(See ITAL 3580.)

**WGST 3305 Angels and Demons: Women and Literary Stereotypes**

4 semester hours  
(See MDGK 3343.)

**WGST 3306 Out of Control: Women, Madness, and the Cultural Imagination**

4 semester hours  
(See MDGK 3346.)

**WGST 3307 Gender Communication**

4 semester hours  
(See CMST 3110.)

**WGST 3400 Women in the Middle East**

4 semester hours

This course explores the themes and variations in women's lives in the Middle East. Particular attention will be paid to family structures, rural-urban, social class and ethnic differences, social and political movements, religion, work, and education.

**WGST 3401 Black Identities, Families, and Cultures**

4 semester hours  
(See AFAM 3432.)

**WGST 3402 Chicanas and Other Latinas in the U.S.**

4 semester hours  
(See CLST 3302.)

**WGST 3403 Hip Hop Culture**

4 semester hours  
(See AFAM 4422.)

**WGST 3500 Genders and Sexualities**

4 semester hours

This course explores the relationship between sexuality and gender as well as a diversity of sexual identities. It focuses on issues of the body, sex, nature, and power within the context of history, culture, and public policy.

**WGST 3501 Gender and Society**

4 semester hours  
(See SOCL 3210.)

**WGST 3502 Sociology of Marriage and Families**

4 semester hours  
(See SOCL 3160.)

**WGST 3503 Men and Masculinities**

4 semester hours  
(See SOCL 3211.)

**WGST 3600 History of Women in California**

4 semester hours

This course explores California history from the perspective of the women who have lived, worked, and migrated here from the period of Spanish exploration to the present. Designed around experiential learning, this course takes students to important sites in and around Los Angeles to witness sites of history for themselves, visit some of LA's world-class museums, and contextualize our studies in terms of

what California looks like today, and how the women's history of the state shapes its role in the larger world.

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**WGST 3601 Women in Christian History**

*4 semester hours*

(See THST 3022.)

University Core fulfilled: Explorations: Historical Analysis and Perspectives.

**WGST 3602 Gender in European History**

*4 semester hours*

(See HIST 4225.)

**WGST 3603 Women in American History**

*3 semester hours*

(See HIST 4430.)

**WGST 3605 History of Childhood and the Family**

*4 semester hours*

(See HIST 4431.)

**WGST 3700 Images of Women in Philosophy**

*4 semester hours*

(See PHIL 4175.)

**WGST 3701 Guadalupe, Queen of the Américas**

*4 semester hours*

(See CLST 3310.)

University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

**WGST 3702 Women and Religion**

*4 semester hours*

(See THST 3285.)

University Core fulfilled: Integrations: Faith and Reason; Flags: Information Literacy, Oral Skills.

**WGST 3703 Christian Marriage and Sexuality**

*4 semester hours*

(See THST 3561.)

University Core fulfilled: Integrations: Ethics and Justice; Flag: Writing.

**WGST 3704 Sex and the City of God**

*4 semester hours*

(See THST 3237.)

University Core fulfilled: Integrations: Faith and Reason; Flag: Writing.

**WGST 3998 Special Studies**

*1 TO 4 semester hours*

**WGST 3999 Independent Studies**

*1 TO 4 semester hours*

**WGST 4000 Feminist Political Theory**

*4 semester hours*

This course familiarizes students with the major themes and movements in the history of feminist political thought and uses gender as a lens through which to view political life. The course also takes up gender as an object of inquiry for politics.

**WGST 4001 Queer Theory**

*4 semester hours*

This course explores the emergence, conceptual frameworks, themes, and critical tools of queer theory. This course critically

analyzes sex, gender, and sexuality and the gaps between them and their interactions, as well as how these concepts are implicated in or frame many other discourses, such as the war on terror, aesthetics, death, history, race, ethics, monstrosity, nationalism, affect, punk rock, colonialism, temporality, and gentrification. Junior or senior standing required.

**WGST 4100 Sex, Trade, Trafficking**

*4 semester hours*

The course will address issues of racism, sexism, classism, and violence against women who are trafficked and those who also work as sex workers. We will discuss the relationship between ethics and human trafficking as well as who benefits from such approaches. University Core fulfilled: Integrations: Interdisciplinary Connections; Flag: Writing.

**WGST 4101 Gender and Globalization**

*4 semester hours*

Examines how gender is shaped by globalization through the feminization of labor and migration, environmental degradation, diaspora, sexuality, cultural displacement, and militarization. Explores the ways women have confronted these conditions as well as the possibilities and challenges of cross-border feminist coalitions.

**WGST 4200 Sex, Race, and Violence**

*4 semester hours*

(See AFAM 4642.)

**WGST 4201 Latina Feminist Theory**

*4 semester hours*

(See CLST 4404.)

University Core fulfilled: Flag: Writing.

**WGST 4300 Women in Film**

*3 semester hours*

(See FTVS 473.)

**WGST 4400 Women and Politics**

*4 semester hours*

(See POLS 4330.)

**WGST 4900 Senior Seminar in Women's and Gender Studies**

*4 semester hours*

Designed as a last course for students obtaining the Women's and Gender Studies major or minor. Stress is on the organization and integration of knowledge gained regarding women in society. Offered only during the Spring semester.

University Core fulfilled: Flags: Oral Skills, Writing.

Junior or senior standing required.

Majors or minors only.

**WGST 4901 Service Learning in Women's Studies**

*4 semester hours*

The internship in Women's Studies combines practical experience and feminist theory through the theme of women's empowerment. Students work in selected placements while reading through a sequenced bibliography. They discuss their experiences and readings in seminars and papers.

**WGST 4998 Special Studies**

*1 TO 4 semester hours*

**WGST 4999 Independent Studies**

*1 TO 4 semester hours*

**Yoga Studies (YGST)**

**YGST 6010 Health Science and Yoga**

3 semester hours

An overview of anatomy and physiology from the Western perspective and Ayurvedic theories of the subtle body, health, and wholeness.

**YGST 6015 Foundations of Yoga Studies**

3 semester hours

This course will investigate basic methodological approaches to the academic study of Yoga, with an emphasis on the place of Yoga within theological discourse. It will include a bibliographic survey of primary and secondary sources and engagement with key select resources. Sikh and Christian approaches to Yoga will be included.

**YGST 6020 Yoga Philosophy: Text and Practice**

3 semester hours

A close study and discussion of the *Yoga Sūtras of Patanjali*, the *Bhagavad Gītā*, select Upanishads, the *Sāmkhya Kārikā*, the *Yogavāsistha*, and other classical literature.

**YGST 6025 Sanskrit: The Yoga Sutra**

3 semester hours

In this course students will translate the sutras from Patanjali's seminal text the *Yoga Sūtra*.

**YGST 6026 Sanskrit: The Bhagavad Gita**

3 semester hours

The *Bhagavad Gītā* sets forth the primary practices of philosophical and meditational Yoga, including the ways of Knowledge, Action, and Devotion. We will read select passages, completing the study of various aspects of Sanskrit grammar.

**YGST 6030 Hatha Yoga Texts**

3 semester hours

This course in movement and breathing (*Āsana* and *Prānāyāma*) will draw from classical texts such as the *Hatha Yoga Pradīpikā*, the *Gherhanda Samhitā*, and the *Yoga Sāstra*, with particular attention to practice applications. Requires demonstration of student teaching skills.

**YGST 6040 Buddhism and Yoga**

3 semester hours

Yoga's relationship with Buddhism will be explored with an emphasis on Vipassana, Tibetan Buddhism, and Zen.

**YGST 6041 Jaina Yoga**

3 semester hours

This course, conducted in India, will immerse students in the study of Jainism, known for its emphasis on nonviolence, through philosophy, ethics, cosmology, and art. They will study the Jain traditions of Yoga including Preksha meditation. This course is generously subsidized by the International School for Jain Studies.

**YGST 6050 History of Modern Yoga**

3 semester hours

Yoga entered European and North American consciousness through the Romantic poets, the New England Transcendentalists, and the world lecture tour of Swami Vivekananda following the Parliament of the World's Religions in 1893. In the 20th century, Paramahansa Yogananda, Mahatma Gandhi, Swami Sivananda, Swami Krishnamacharya and many others introduced large groups of people to the principles and practices of Yoga. The course will explore this legacy. Students will be required to demonstrate teaching ability from select traditions.

**YGST 6082 Comparative Mysticism**

3 semester hours

This course will explore the inner or mystical life as articulated in the life and practice of various religious traditions. It will begin with a study of a modern classic: *The Varieties of Religious Experience* by William James, the pre-eminent American philosopher and psychologist as well as the key ideas of Carl Jung. The course will include the study of Jewish and Islamic mystical traditions, as well as key writers in the emerging field of contemplative Christian ecology. Yoga and mysticism will be examined through the writings of 20th century philosopher Sri Aurobindo.

**YGST 6095 Comprehensive Exam Seminar**

3 semester hours

In this course students will be taught study tactics and will work together in preparation for two comprehensive exams. The first question will demand a demonstration of the breadth of knowledge they have learned while the second question will focus more specifically on an area of particular interest to the student within Yoga Studies.

**YGST 6096 Writing and Research Seminar**

3 semester hours

This course will guide the students as they write their final thesis. The course will aid them through the process by introducing research methods and writing techniques in order to complete a clear final thesis or research project. Students will be able to help one another as different phases of their given projects will be shared in class.

**YGST 6998 Special Studies**

1 TO 3 semester hours

**YGST 6999 Independent Studies**

1 TO 3 semester hours

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## University Administration

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