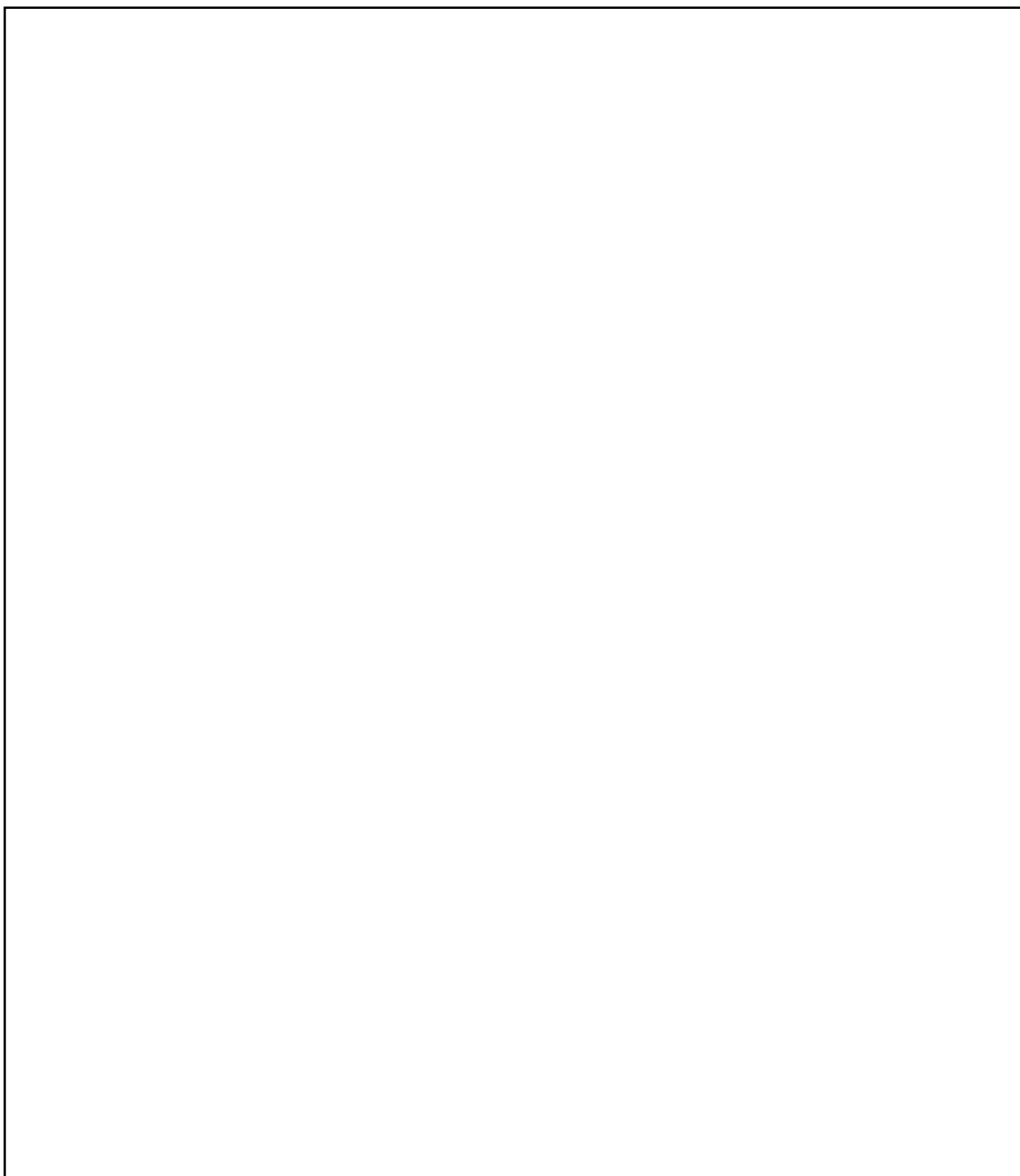


---

# **Undergraduate Bulletin**

## **2000-2001**



# Table of Contents

University Phone Numbers .....	3
Academic Calendar 2000-2001 .....	4
The University .....	9
Admission .....	13
Financial Aid .....	17
Tuition and Fees .....	28
University Core Curriculum .....	34
Bellarmino College of Liberal Arts .....	59
College of Business Administration .....	167
College of Science and Engineering .....	189
College of Communication and Fine Arts .....	268
School of Education .....	330
Aerospace Studies .....	347
Student Affairs .....	353
University Facilities .....	360
Map of The Campus .....	362
University Administration .....	364
University Faculty .....	371
Index .....	389

---

---

# University Phone Numbers

## Westchester Campus Offices: Area Code is 310

Academic Vice President .....	338-2733
Admissions, Graduate .....	338-2721
Admissions, Undergraduate .....	338-2750
Alumni Relations .....	338-3065
Bellarmino College of Liberal Arts .....	338-2716
Campus Ministry .....	338-2860
Chancellor's Office .....	338-3070
College of Business Administration .....	338-2731
College of Communication and Fine Arts .....	338-7430
College of Science and Engineering .....	338-2834
Continuing Education and Summer Sessions .....	338-2757
Controller's Office .....	338-2711
Development Office .....	338-7545
Financial Aid Office .....	338-2753
Information .....	338-2700
Jesuit Community (SJ) Residence .....	338-7445
Library .....	338-2788
Operations and Maintenance .....	338-2760
President's Office .....	338-2775
Public Safety .....	338-2893
Registrar's Office .....	338-2740
RSJM Residence .....	641-4682
School of Education .....	338-2863
Student Housing .....	338-2963
Vice President for Business and Finance and Treasurer .....	338-2738
Vice President for Facilities Management .....	338-4495
Vice President for Student Affairs .....	338-2885
Vice President for University Relations .....	338-5127

## Mailing Addresses:

LOYOLA MARYMOUNT UNIVERSITY  
7900 Loyola Boulevard  
Los Angeles, California 90045  
(310) 338-2700  
<http://www.lmu.edu/>

LOYOLA LAW SCHOOL  
919 South Albany Street  
P.O. Box 15019  
Los Angeles, California 90015-0019  
(213) 736-1000  
<http://www.lls.edu/>

---

---

# Academic Calendar 2000-2001

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=Saturday, U=Sunday

## Fall 2000

Aug 19	S	New Graduate Student Orientation
Aug 22-23	T,W	New Faculty Orientation
Aug 23	W	Chair Workshop
Aug 23	W	Transfer Student Orientation
Aug 26	S	Undergraduate Parent Welcome Day!
Aug 26-29	S-T	Undergraduate Welcome Days!
Aug 28	M	Classes begin
Sept 1	F	Last day for Late Registration and Change of Program
Sept 4	M	University Holiday - Labor Day
Sept 15	F	Last day for Undergraduate Students to remove Spring/Summer incompletes
Sept 20	W	Spring Schedules due in Deans' Offices
Sept 21	R	Mass of the Holy Spirit: Sacred Heart Chapel, 12 noon (classes end at 11:45 am - resume at 1:30 pm)
Sept 22	F	Spring 2000 schedules due in the Office of the Registrar
Sept 26	T	President's Convocation: Hilton 100, 12:15 pm
Sept 29	F	Last day for Students to file application for December graduation date
Sept 29	F	Last day for Instructors to remove Incompletes for Spring and Summer semesters
Oct 13	F	Mid-term deficiency grades due in Office of the Registrar
Oct 23, 24	M,T	Undergraduate Holidays (600 numbered courses will meet)
Oct 20	F	Summer Schedule due in Summer Session Office
Nov 3	F	Last day for Students to withdraw or apply for Credit/No Credit grading
Nov 12	U	University Open House
Nov 13	M	Academic Advisement & Advance Registration for Spring Semester begins
Nov 17	F	Summer Schedule due in Office of the Registrar
Nov 23, 24	R,F	University Holidays - Thanksgiving
Dec 11	M	Fall Schedule Forms and Bulletin Correction sent to Department Chairs
Dec 11	M	Registration begins for new students for Spring
Dec 11-15	M-F	Final Examinations
Dec 20	W	Final grades due in the Office of the Registrar at 12 noon
Dec 22-Jan 1	F-M	Christmas Holidays, Administrative offices closed
Jan 3	W	Academic Disqualification lists due in the Office of the Registrar
Jan 19	F	Last Day to submit Graduation Clearances for Fall to the Office of the Registrar

---

**Spring 2001**

Jan 2	T	Administrative Offices reopen
Jan 9	T	Undergraduate Orientation
Jan 10	W	Classes Begin & New Student Orientation
Jan 15	M	University Holiday - Martin Luther King, Jr. Day
Jan 17	W	Last day for Late Registration and Change of Program
Jan 17	W	Last day for Students to file for May Commencement
Jan 26	F	Last day for Undergraduate Students to Remove Fall Incompletes
Jan 26	F	Fall Schedules due in Deans' Offices
Feb 2	F	Fall Schedules due in Registrar's Office
Feb 2	F	Undergraduate Bulletin copy due in the Office of the Registrar
Feb 9	F	Last day for Instructors to remove incomplete grades for Fall semester
Feb 23	F	Mid-term deficiency grades due in Office of the Registrar
Feb 23	F	Commencement Program Information due in Office of the Registrar
Feb 26-Mar 2	M-F	Spring Break
Mar 2	F	Academic Awards Convocation Names information due to Registrar
Mar 2	F	May Commencement information mailed to students
Mar 5	M	Summer Session registration begins
Mar 16	F	Last day to withdraw or apply for Credit/No Credit grading
April 2	M	Academic Advisement & Advance Registration for Fall Semester
Apr 12	R	Academic Awards Convocation: St. Robert's Auditorium, 3:15 pm
Apr 13	F	University Holiday - Good Friday
Apr 19	R	Student Service and Leadership Awards Convocation - Murphy Hall: 3:15 pm
Apr 30-May 4	M-F	Final Examinations
May 4	F	Academic Awards Dinner
May 4	F	Baccalaureate Mass - Gersten Pavilion, 7:30 pm
May 5	S	Undergraduate Commencement Exercises - Sunken Gardens, 10:00 am
May 6	U	Graduate Commencement Exercises - Gersten Pavilion, 10:00 am
May 9	W	Final Grades Due in Office of the Registrar at 12 noon
May 18	F	Academic Disqualification lists due in the Office of the Registrar
May 25	F	Last day to submit Graduation Clearances for Spring to the Registrar

## Summer 2001

### Session I

May 14	M	Session begins
May 18	F	Last day for Late Registration or Change of Program
May 28	M	University Holiday
Jun 8	F	Last day to withdraw or apply for Credit/No Credit grading
Jun 22	F	Session ends
June 27	W	Final grades due in the Office of the Registrar at 12 noon

### Session II

Jun 25	M	Session begins
Jun 29	F	Last day for Late Registration or Change of Program
July 4	w	University Holiday
Jul 20	T	Last day to withdraw or apply for Credit/No Credit grading
Aug 3	F	Session ends
Aug 15	W	Final grades due in the Office of the Registrar at 12 noon
Aug 24	F	Last day to submit Graduation Clearances for Summer semester to the Registrar

*This calendar represents the University's best judgment and projection of the course of conduct of the University during the periods addressed herein. It is subject to change due to forces beyond the University's control or as deemed necessary by the University in order to fulfill its educational objectives.*

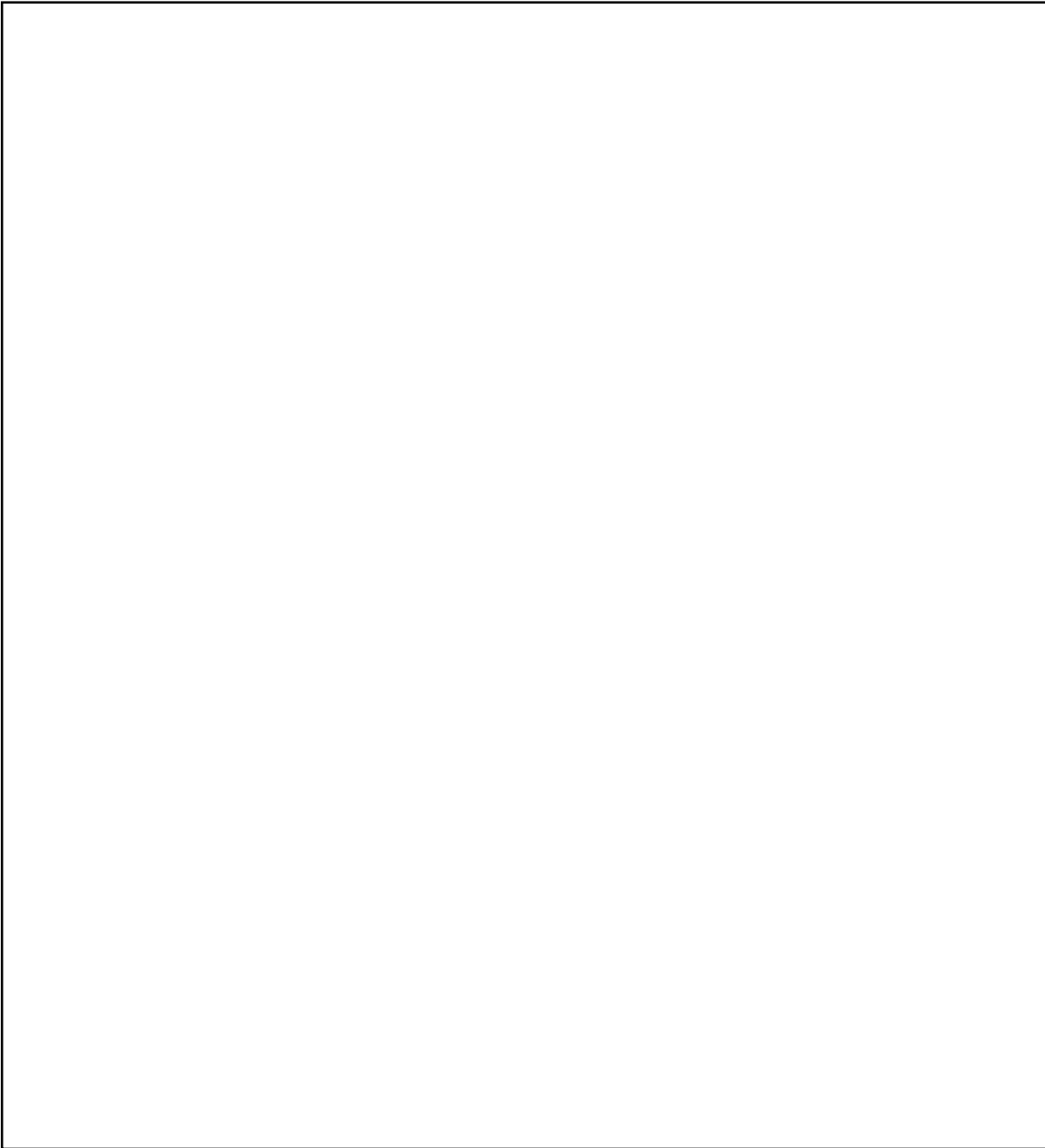
---

---

---

---

# The University





# The University

## History and Goals

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 1933. That year 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.

Loyola Marymount understands and declares its purpose to be: The Encouragement of Learning, The Education of the Whole Person, The Service of Faith and the Promotion of Justice.

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
- 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
- Lives an Institutional Commitment to Roman Catholicism and the Judeo-Christian Tradition

## Accreditation

Loyola Marymount's academic programs have been accredited by the following organizations:

- American Art Therapy Association
- American Assembly of Collegiate Schools of Business
- American Bar Association
- American Chemical Society
- Association of American Law Schools
- California State Commission on Teacher Credentialing

Committee of Bar Examiners of the State Bar of California

The Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology, Inc. (ABET)

International Association of Counseling Services

National Association of Schools of Art and Design Commission on Accreditation

National Association of Schools of Dance

National Association of Schools of Music

National Association of Schools of Theatre

National Council for Accreditation of Teacher Education

Western Association of Schools and Colleges  
Address: 985 Atlantic Avenue  
Suite 100  
Alameda, CA 94501

Association of Jesuit Colleges and Universities

Association of University and College Counseling Center Directors

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

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 Association of Summer Sessions

National Catholic Education Association

National Collegiate Athletic Association

National Collegiate Honors Council

National Consortium on Academics and Sports

---

## Membership

Loyola Marymount University is a member of the following organizations:

American Academy in Rome

American Assembly of Collegiate Schools of Business

American Association of Collegiate Registrars and Admissions Officers

American College Personnel Association

American College of Physicians

American Council on Education

American Counseling Association

American Mathematical Society

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

National Intramural Recreational Sports  
Association

National Society of Experiential Education

North American Association of Summer Sessions

NPSE-Professional Engineers in Education

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

Western Regional Honors Council

---

---

**Admission  
Financial Aid  
Tuition and Fees**

--

# 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, taking into consideration the applicant's secondary school record, national test scores, recommendations, personal characteristics and relationship to the University. 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 freshmen applicants is February 1; the transfer and international applications are due June 1; the spring priority date for all applicants is December 1. Full consideration cannot be assured to applicants failing to meet these priority dates. A personal interview is not required, but individual Admissions counseling appointments are encouraged. Personal appointments and campus tours can be arranged through the Office of Admissions. Please call (310) 338-2750. The fax number is (310) 338-2797.

## 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 and intermediate algebra/trigonometry. Engineering, computer science, mathematics, and science majors should complete four units of mathematics and one unit of biology, chemistry and physics. Biology and pre-med students may substitute an additional unit of biology for one unit of physics.

## Admission Procedure

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:

- File an application and submit a \$45 non-refundable application fee or an appropriate fee waiver. Forms are available from the University's Admissions Office.
- Request official transcripts to be sent from the last high school attended and from each college attended. Students currently enrolled in college should submit work in progress. Advanced Placement students must submit official AP test score results in order to receive college credit.
- Arrange for SAT I or ACT scores to be sent to the Director of Admissions. Information about SAT I may be obtained from the College Board/ATP, Box 1025, Berkeley, California 94701, or Box 6200, Princeton, New Jersey 08541-6200. Information about ACT may be obtained from the American College Testing Program/ACT Records, P.O. Box 451, Iowa City, Iowa 52243.
- Before school begins, entering freshmen are required to submit an official final high school transcript showing the high school graduation date. Transfer students are required to submit official transcripts that show the grades of the last term attended. Failure to submit the required transcripts will result in the ineligibility of the student to advance register or register for a subsequent term until the required document(s) is submitted.

## Notification of Acceptance

Candidates will be evaluated for admission as soon as all of the above steps in the admission procedure have been completed. Notification of the candidate's eligibility for admission 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.

## Honors at Entrance

Honors at Entrance is awarded to first-time freshmen who show academic excellence as determined by their secondary school record, national test scores, letters of recommendation and personal involvement in responsible positions of leadership. Special application is not required; all admitted applicants are considered. Students are notified in their acceptance letter. A certificate is sent to the student and public acknowledgment is made at the student's high school graduation exercises.

## Academic Scholars

Each year the Scholarship Committee carefully selects from among the Honors at Entrance candidates a small number

of first-time freshmen whose achievement deserves additional recognition. These candidates are designated Academic Scholars and are awarded significant scholarships that are renewable and are not necessarily based upon financial need. Selection is based on outstanding GPA and SAT I/ACT scores, leadership potential, and school or community involvement. Academic Scholars are invited to apply to the University's Honors Program. In addition, those students awarded Academic Scholarships will be invited to participate in the Presidential Preview Weekend which offers a special opportunity to see the campus and to interview for the Presidential and Trustee Scholarships.

## **Commitment Deposit**

Accepted students intending to enroll are required to submit a \$200 commitment deposit signifying intent to register.

The commitment deposit is held by the University but refunded to the student approximately one month after leaving the University either by withdrawal, dismissal, or graduation. 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. Refund of the \$200 commitment deposit will not be made to those who fail to register and attend classes.

## **Housing**

First-time freshmen entering in the fall term are guaranteed University housing provided their commitment deposit and housing request card are received postmarked no later than May 1 for fall admission.

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 request cards will be processed on a first-come, first-served basis as they make their commitment deposits to the University.

## **Medical Examination and Insurance**

All students entering the University for the first time or re-entering the University after an absence of one year are required to return a completed Student Health Immunization Form to the Student Health Service. Immunizations must be current and documented. Students with incomplete forms will have their registration withheld for the following semester until immunization information is provided.

The Student Health Service does not fill out private insurance forms. However, copies of charges will be given to the students upon written request.

The University requires that all full-time undergraduate students who are not covered by personal medical insurance **MUST BE** covered by the University's Sickness Insurance

Plan. If the student has adequate private sickness insurance, a waiver must be returned to the Controller's Office within the specified time. All students taking seven or more units are automatically covered for accident insurance. Information about filing insurance claims for the University's Accident and Sickness Insurance Plan may be obtained in the Student Health Service Office. Claims must be filed within thirty days of disability. Students should be aware of the name of their insurance company and provider numbers. Coverage by the University's Insurance Plan is not a prerequisite for the use of the Health Center.

## **Medical Examination for Intercollegiate Student-Athletes**

New and returning students planning to participate in intercollegiate sports are required to submit a completed LMU Athletic Department Medical Clearance Form, signed by their private physician, to the Assistant to the Athletic Director prior to their participation in conditioning, practice and/or competition.

## **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 paragraph on Admission Procedure listed above. The priority date for transfer applications is June 1 for fall semester and December 1 for spring semester. 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 2.75 cumulative average for all previous college work and at least a 2.75 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 2.75 cumulative average and at least a 2.75 average for the most recent college work attempted prior to admission.

Some majors may require stronger records than the minimal 2.75 cumulative average normally required for general admission consideration. Likewise, certain majors require that some prerequisites be completed prior to transferring (see Business Administration, Transfer Credit).

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.

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 Admissions. Information about this test may be obtained by writing to: Test of English as a Foreign Language, Princeton, New Jersey 08540, U.S.A. The University's minimum standard for undergraduate admission is 550 or 213 for the computer based exam.
2. Submit a statement of financial responsibility for all obligations covering the full period of time for which the student is making application.
3. Submit official transcripts of previous academic training. Documents must be sent from the originating sources directly to the Admissions 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.
4. Transcripts from non-U.S. institutions must be submitted to an LMU-approved credentials-evaluating agency for translation into English and/or for evaluation of U.S. equivalent course work and corresponding grade.

It is the responsibility of the student to submit all foreign transcripts to an evaluating agency. Information on such agencies may be obtained by calling the Office of Admissions.

Foreign transcripts submitted without the appropriate evaluations will not be considered eligible for transfer credit to LMU.

5. International Students attending a high school, college or university in the United States must submit a Transfer Verification Form that will be sent to them by the Office of Admissions.
6. The United States Department of Justice Immigration and Naturalization Form (I-20) will be sent after the \$200 non-refundable Commitment Deposit has been received by the Office of Admissions.

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.

## Non-Degree Students

Students wishing to take courses at the University on a non-degree basis must file an application with the Office of Admissions 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.

## Accelerated Degree Options

### Early Admission

The University encourages students who have completed their junior year of high school and whose maturity, achievement and aptitude warrant special attention to consider early admission. In addition to the admission procedures outlined above, candidates for early admission are asked to arrange for a personal interview on campus. Early admission is highly recommended for serious, goal-oriented students seeking to accelerate their education and eliminate repetition of core curriculum courses.

### Advanced Credit

The University offers high school students opportunities to earn advanced credit by enrolling in courses at LMU. For these on-campus courses, high school students must have completed the 11th grade; must rank in the top 10% of their class and carry a B (3.0) or greater average in all academic subjects; and must have earned a B+ (3.3) or better in the subject area of the Advanced Credit course. The special Advanced Credit application is available from the Office of Admissions. This form must be signed by the student's counselor and be supported with an official high school transcript, including PSAT, PACT, SAT I or ACT scores. Advanced Credit courses carry a special tuition of \$20 per semester hour. Students are limited to two Advanced Credit courses per semester.

## 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 scores of 5, 4 or 3. 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:

<b>AP Exam</b>	<b>Minimum AP Score Required</b>	<b>Number of Semester Hours Awarded</b>	<b>Equivalent LMU Course(s)</b>
Art: History of Art	3	6	Art History 200 & 201
Art: Studio Art - Drawing, General	3	6	no specific course*
Biology	3	6	no specific course
Chemistry	3	8	Chemistry 110, 111, 112, 113
Computer Science A	4	3	Computer Science 182
Computer Science AB	4	3	Computer Science 182
Economics: Macroeconomics	4	3	Economics 120
Economics: Microeconomics	4	3	Economics 110
English Language and Composition	4	3	English 110
English Literature and Composition	4	3	English 140
Environmental Science	3	2	Natural Science 101
European History	4	3	History 101
French Language***	3	9	French 101, 102, & 203
French Literature***	3	9	no specific course
German Language***	3	9	German 101, 102, 103
Government and Politics: Comparative	3	3	Political Science 155
Government and Politics: United States	3	3	Political Science 135
History, U.S.	4	6	History 161 & 162
Latin: Literature	3	3	Latin 311
Virgil	3	3	Latin 312
Mathematics: Calculus AB	4	4	Mathematics 131
Calculus BC	4	8	Mathematics 131 & 132
Music Theory	3	3	Music 104**
Physics B	3	10	Physics 253 & 254
Physics C: Mechanics	3	4	Physics 101
Electricity and Magnetism	3	4	Physics 201
Psychology	4	3	Psychology 100
Spanish Language***	3	9	Spanish 101, 102, & 203
Spanish Literature***	3	9	no specific course
Statistics	4	3	Mathematics 154

\* Credit subject to final review by Art faculty.

\*\* Credit subject to final review by Music faculty.

\*\*\* Maximum of 9 semester hours of language credit may be granted, whether for language or literature on both exams.

Note: Essay is required for all examinations offering optional essays.



# Financial Aid

The Financial Aid Office assists those students who require financial aid to pursue their higher education at Loyola Marymount University. Financial Aid is awarded in the form of scholarships, grants, loans, and employment both on and off campus. To be eligible for federal, state, or LMU financial aid programs awarded by this office, students must be citizens or eligible non-citizens enrolled in at least 6 units in an eligible program. Qualified students must not be in default or owe a refund to any federal program.

Counseling and information are available to students, prospective students, and parents on a walk-in or appointment basis. Informative literature and application forms are available in the Financial Aid Office and will be mailed upon request.

## Rights and Responsibilities

**Financial Aid and Academic Load:** All financial aid programs assume the student will enroll full-time and will maintain satisfactory academic progress. Student aid applicants who will enroll in less than 12 units should notify the Financial Aid Office. Undergraduates are eligible for aid from federal funds if they are enrolled in at least six semester hours per semester. Students who will enroll in less than six units are usually not eligible for financial aid.

**Refund Calculations:** When students receiving financial aid are eligible for a refund or a cancellation of LMU charges, their financial aid funding will also be adjusted. The financial aid officer will calculate the adjustment and notify the Controller's Office/Student Accounts. Any resulting refund, due to a federal financial aid program, will be made by LMU

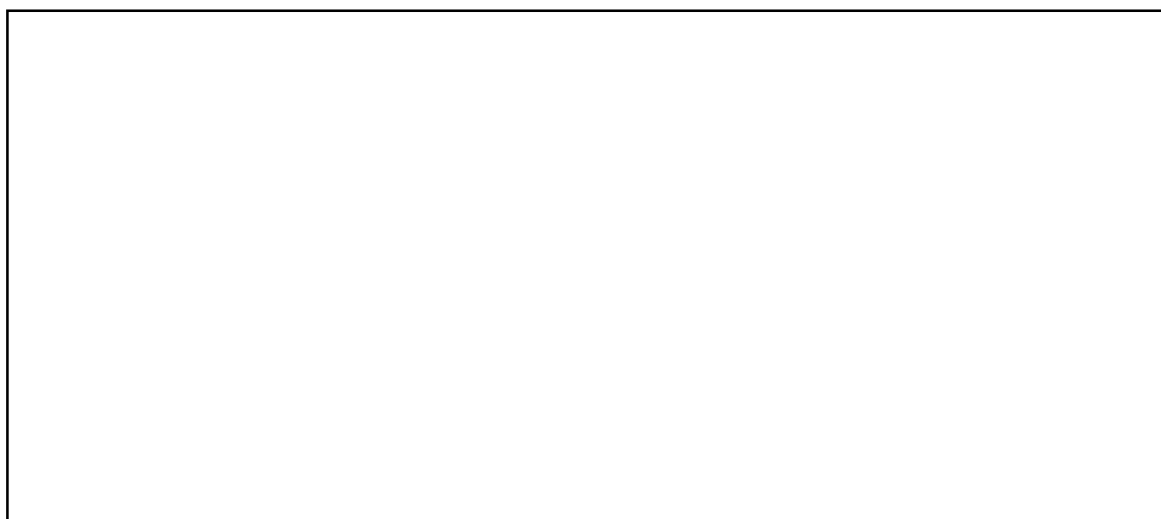
for the student. Any resulting charge will be added to the student's account. Specific information is available from the Financial Aid Office.

**Satisfactory Progress Standards and Financial Aid Probation:** Financial Aid probation is more rigorous than academic probation, which is described later in the section on "Academic Policies."

*Full-time undergraduate students* receiving financial aid must progress toward the completion of degree requirements at a rate greater than or equal to that indicated in the following table:

<u>Semester</u>	<u>Semester Hours to be Completed</u>	<u>Cumulative Semester Hours Completed</u>
1st	12	12
2nd	12	24
3rd	13	37
4th	13	50
5th	14	64
6th	14	78
7th	15	93
8th	15	108
9th	12	120

*Less than full-time undergraduate students* are evaluated on an individual basis. A student who registers for a 3/4 load and receives aid for a 3/4 load will be expected to complete a minimum of 9 semester hours per semester. A student who registers for a 1/2 load and receives aid for a 1/2 load will be expected to complete a minimum of 6 semester hours per semester.



For financial aid purposes, the grades of F, NC, AU and W will not be counted toward meeting the requirement. Grades of A, B, C, D and CR will be counted. Grades of I or NR temporarily will not be counted until the final grade is posted.

All undergraduate students must also maintain a grade point average of 2.00. If a student repeats a course, the course is counted only once, both in the computation of total hours completed and in the cumulative GPA. In this case, the most recent grade received is the one used to determine the student's status. If a student is repeating a course in which the grade of F, NC, AU or W was received, the semester hours count for satisfactory progress. A repeated course with original grades other than these will **not** count for satisfactory progress.

Transfer students are evaluated individually to determine the number of semesters completed prior to enrollment at LMU and thereby the number of semester hours to be completed in each remaining term. **Transfer hours accepted by LMU** are counted when placing a student into a category for this purpose. In determining the cumulative grade point average, only courses completed at Loyola Marymount will be considered.

Students failing to meet either of the above conditions (completion of prescribed semester hours and cumulative grade point average) are placed on Financial Aid Probation and given two semesters from the beginning of the subsequent semester to rectify the deficiency. If they fail to do so, they lose their financial aid. For compelling reasons, a student may petition for financial aid for a tenth semester of education. The University grants no financial aid beyond the tenth semester. NOTE: Some programs terminate after 8 semesters.

**Appeals Procedure:** The University has established an appeals procedure to insure equitable treatment of all financial aid applicants and recipients. Appeals forms are available in the Financial Aid Office.

## Applying for Financial Assistance

To apply for financial assistance it is necessary to file the following forms and data:

1. A Free Application for Federal Student Aid (FAFSA) must be filed by all students. New applicants (students new to LMU and LMU students new to financial aid) must also file the Profile Form which requires a fee. These forms are available from high schools or from financial aid offices around the country. New applicants should file the forms by February 15 and renewal applicants should file the forms by March 2. Renewal students must file the FAFSA and an LMU supplemental form.
2. Application for Admission to Loyola Marymount: There are several documents needed by the Office of Admissions. No financial aid is awarded until a student has been admitted to the University. Thus,

a student applying for financial aid should also apply for admission at the same time.

Students applying for Cal Grant A or B (see *Grants*) must complete and mail the FAFSA and GPA Verification form no later than March 2. All other requirements (including copies of the student's and parents' federal tax forms) must be submitted to the Financial Aid Office by April 16th of each year that the student is enrolled and applying for financial aid. For further information, please feel free to call or write:

FINANCIAL AID OFFICE  
Loyola Marymount University  
7900 Loyola Boulevard  
Los Angeles, California 90045-8330  
(310) 338-2753 - Fax (310) 338-2793  
E-Mail: [finaid@lmumail.lmu.edu](mailto:finaid@lmumail.lmu.edu)

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, inaccurate tax returns and Student Time Cards for both hours worked and signatures obtained.

## Programs of Assistance

### Academic Scholars

Each year the Scholarship Committee recommends to the President of the University a number of students whose achievements merit exceptional recognition. Recommendations are based upon the potential for academic accomplishment and leadership which is demonstrated in outstanding academic records, GPA and SAT/ACT scores, and in demonstrated leadership in school or community. Academic Scholars receive grants worth \$5,000 renewable with a 3.0 cumulative GPA for a total of 8 semesters. These awards are made possible by annual contributions as well as by eight endowment funds:

Bernard and Catherine Bannan Presidential Scholarship Fund

Loretta Clougherty Dodd '61 Memorial Presidential Scholarship Fund

Cyril and Edith Nigg Presidential Scholarship Fund

Seaver Institute Presidential Scholarship Fund

Joseph M. Sexton Presidential Scholarship Fund

Rains Presidential Scholarship Fund

John A. Teske Presidential Scholarship Fund

Yerkes/Exxon Presidential Scholarship Fund

## California Scholastic Federation

Loyola Marymount sponsors four scholarships for CSF Sealbearers. To apply, students must send a copy of their CSF Certificate to the Financial Aid Office by March 1st.

## Jesuit and Marymount High School Scholarship

The University will select each year an outstanding graduate of each Jesuit and Marymount secondary school for special recognition. Selection will be based upon superior academic record, as well as demonstration of community leadership and commitment to the ideals of Jesuit and Marymount education. Scholarship winners receive grants worth \$7,500 renewable with 3.20 cumulative GPA for a total of 8 semesters.

## Jesuit Community Scholarships

The Jesuit Community at LMU supports a scholarship fund designed to assist students from Jesuit high schools or other Catholic high schools. Criteria for selection include scholarship, leadership, and Christian service.

Scholarship winners receive grants worth \$5,000 renewable with a 3.0 cumulative GPA for a total of 8 semesters.

## Leadership Scholars

The Scholarship Committee recommends to the Academic Vice President each year an additional number of students characterized by notable contributions to their school or community. While these recommendations presume an excellent academic record, special consideration is given to students who demonstrate exceptional promise as campus or community leaders. The Committee also gives special consideration to students from economically disadvantaged circumstances.

Recommendations are based upon excellent academic records, active involvement in school and community, and demonstrated potential for leadership on campus and in the community. Leadership scholars receive grants worth \$6,000 renewable with a 3.0 cumulative GPA for a total of 8 semesters.

## Trustee and Presidential Scholars

From among the Academic and Presidential Scholars, the President will select a very limited number of entering freshmen each year for LMU's top academic scholarship, the Trustee Scholarship. In addition to the academic and leadership criteria used to select the Academic Scholars, Trustee and Presidential candidates will interview with the Scholarship Committee at LMU. Trustee Scholars receive grants equal to full tuition renewable with a 3.0 cumulative GPA for four years. Presidential Scholars receive \$9,500 per year renewable with a 3.0 cumulative GPA for four years.

## Grants

### University Grants

Loyola Marymount University funds and administers grants of its own. They include academic scholarships and Loyola Marymount University (LMU) grants. LMU grant eligibility is based on financial need and limited to eight semesters. **Transfer students** are evaluated individually to determine the equivalent number of semesters completed prior to enrollment at LMU. **All coursework completed elsewhere** is counted when determining semesters of eligibility for University Grants.

**The Pell Grant** program is a federal aid program designed to provide the needed financial assistance to attend postsecondary educational institutions. The amount of the Pell Grant is determined on the basis of a student's and parents' financial resources. Grants range from \$200 to \$3,000 and need not be repaid.

**The Supplemental Educational Opportunity Grant** 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. The amount of the award varies based on the student's Pell Grant, and like other grants, does not have to be repaid.

**Cal Grant A** is a method by which many students finance their education at the University. This \$9,420 scholarship is awarded to residents of the State of California and may be used at many approved institutions within the State of California. Normally the grant is awarded to freshmen students; however, many transfer students and upperclassmen who apply also receive this grant. The grant is normally renewable each year once it has been obtained. Information concerning this grant may be obtained from either the high school counselor's office or the Financial Aid Office.

**Cal Grant B**, which is funded through the State of California, is another way students may finance their education at Loyola Marymount University. This program in many cases allows for payment of tuition, books and supplies and other educational expenses. Cal Grant B is worth \$1,410 for subsistence plus \$9,420 after the first year for tuition.

### Student Employment

The Student Employment Service provides employment assistance to the students of Loyola Marymount University including part-time jobs ranging from 10 to 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.

**The Federal College Work Study** program is another source of employment for students who qualify. 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 12-15 hours 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.

**The Student Worker** program is another employment program designed to give resident students an opportunity to earn an education by working on campus. The Student Worker Organization is an autonomous group that is primarily student directed and operated. Under this program a student may earn up to \$7,800. Jobs include maintenance, recycling, clerical and miscellaneous tasks for departments on campus.

## Loans

Many types of financing options are open to students and parents. A brochure on various loans ranging from \$1,000 to \$25,000 per year is available in the Financial Aid Office.

The following loans require the student to apply for financial aid (see the Applying for Financial Aid section) to determine eligibility:

**Perkins Loan** is a low interest loan available to students who qualify for the Federal Pell Grant. Students may borrow a sum normally not to exceed \$3,000 per year. After students leave school they have a 9-month grace period before interest begins to accrue. The loan must be repaid on a quarterly basis at a rate of usually not less than \$120 per quarter. If a student defaults and the school is unable to collect, the Federal Government may take action to recover the loan. Under certain conditions there are loan deferment and/or cancellation provisions for borrowers. The Office of Financial Aid provides information about such provisions.

**The Stafford Student Loan** is a low interest federal loan made by a bank, credit union, or savings and Loan. First year students can borrow \$2,625, second year \$3,500, third, fourth, and fifth year students can borrow up to \$5,500. Students who qualify will not be charged interest on their loans while they are enrolled at least 1/2 time (6 units) in an eligible program. Students who do not qualify to have their interest paid by the federal program, may still borrow an unsubsidized Stafford loan. They will pay the interest on their loan during the periods of enrollment.

**The Parent Loan for Undergraduate Students (PLUS)** is a low-interest federal loan made by lending institutions to parents who have good credit. Parents may borrow up to the total cost of their dependent student's education, minus

any other financial aid. The PLUS interest rate is variable up to 9%. A loan origination fee and an insurance premium is charged. Parents must begin repayment within 60 days of final disbursement.

### Fritz B. Burns Loan Fund

This loan is available for freshmen who are not from California and have been awarded one of the LMU's merit scholarships. This loan is renewable for 4 years. Interest is 3% while the student is in school and 8% during repayment. A parent signature is required as a co-borrower. Parents may not borrow from both this program and the federal PLUS program.

### LMU California Student Loan Trust Fund

A loan offered to freshmen who graduated from a California High School, are U.S. citizens, and have been awarded one of LMU's merit scholarships. This loan is renewable for 4 years and is interest free. A parent signature is required as a co-borrower. All proceeds must be used for direct LMU charges including tuition, fees, and on-campus room and meal plans. Parents may not borrow from the federal PLUS program and this loan program.

### K. Miyawaki Loan Fund

A revolving loan fund established by Dr. and Mrs. Edison H. Miyawaki to help financially needy students with good academic records, with preference given to students from Hawaii.

## Emergency Revolving Loans

### United California Bank Emergency Loan Fund

The purpose of this revolving short term emergency loan fund is to assist students with financial emergencies. The amount of the loan is limited to a maximum of \$500 and most loans are due and payable within three months.

### Elvin T. Watts Memorial Loan Fund

The purpose of this revolving loan fund is to assist students in purchasing books and supplies. The amount of the loan is limited to a maximum of \$100 per academic term.

### Albert Davis Williams Loan Fund

The purpose of this short term loan fund is to assist students who may encounter some unforeseen expenses and consequently need a short term loan to meet their obligations to the university. The maximum loan for an academic year is \$250.

### Joseph Drown Loan Fund

A loan fund established for students with high academic achievement, promise for the future, and financial need.

Other loan funds available to assist needy and deserving students are the following:

- Edwin C. Boehler Student Loan Fund
- Mary R. Chasseur Student Loan Fund
- Joseph Drown Foundation Student Loan Fund
- Marguerite G. Dufaud Student Loan Fund
- Mr. & Mrs. Richard C. Dunn Student Loan Fund

Edward T. Foley Foundation Student Loan Fund  
 Daniel Friedman Student Loan Fund  
 Gerard Junior Foundation Student Loan Fund  
 Samuel Goldwyn Loan Fund  
 William H. Hannon Student Loan Fund  
 William H. Hannon Charitable Trust Student Loan Fund  
 Fred. B. Huesman Student Loan Fund  
 Fletcher Jones Foundation Student Loan Fund  
 Marcellus L. Joslyn Foundation Loan Fund  
 Mrs. Thomas E. Leavey Student Loan Fund  
 Anne McNally Liddle Trust Student Loan Fund  
 Loyola Marymount University Jesuit Community/ University Hill Foundation Student Loan Fund  
 R.P. Paoli Student Loan Fund  
 Jack Shandler Loan Fund  
 Albert H. Stone Loan Fund  
 Robert J. Sutherland Loan Fund  
 Genevieve A. Vedder Student Loan Fund  
 Mr. & Mrs. Wilfred L. Von der Ahe Student Loan Fund  
 Erin J. Walsh Loan Fund  
 Weingart Foundation Student Loan Fund  
 Lawrence L. Weitz Loan Fund

**The Associated Students of Loyola Marymount** have short term loans. These loans, up to \$20, are available to members of the student body for personal emergencies.

## Scholarships

Loyola Marymount University acknowledges its gratitude to the benefactors who have contributed scholarship funds to the University. The following scholarships administered by the University are listed according to the specifications made by their donors.

Most scholarships are awarded directly by the Office of Financial Aid as part of financial aid packaging. Scholarships requiring separate applications will be advertised on our website, at <http://www.lmu.edu/>, throughout the school year.

*Those providing assistance to students of all majors, to be awarded by the Director of Financial Aid are:*

Alexander & Alexander of California Scholarship  
 Reverend Vincent Chiappa Fund  
 Catherine Connell Fund  
 Father John F. Connolly, S.J. Fund  
 Forest Lawn/ICSC Scholarship  
 Fritzsche Scholarship Fund  
 Lewis Guerrieri Memorial Fund  
 Kathleen Kehoe Fund  
 Karen and Randy Kohn Scholarship Fund  
 John Walton Roalfe Memorial Fund  
 Emma Thuet Fund  
 Union Oil Scholarship  
 Gerard L. Werner Fund

*The following are scholarship funds designated for needy and deserving students:*

Carl W. Ackerman Family Scholarship  
 Ahmanson Scholarship  
 James E. Bahan Fund  
 Louis Beaumont Foundation Fund  
 Grover L. Bossert Memorial Scholarship  
 Fritz B. Burns Scholarship  
 Louis J. Canepa Fund  
 Cecilia Walsh Cantlay Memorial Fund  
 Sister Mary David Collins  
 James S. Copley Foundation/ICSC Scholarship  
 Mr. and Mrs. William J. Daze, Sr. Scholarship Fund  
 Edison International Scholarship  
 Charles Forgnone Memorial Scholarship Fund  
 Virgil L. Gentry Scholarship Fund  
 Gillette Company Stationery Products  
 Thomas Grojean Scholarship Fund  
 Mrs. William Randolph Hearst, Sr. Memorial Scholarship Fund  
 Donald J. Heintzelman and Margaret R. Heintzelman Memorial Fund  
 Richard M. Hennessy Scholarship  
 ICSC Scholars Program  
 Mary Elizabeth Adelaide Jenkins Scholarship Fund  
 Mrs. Luther Johnson Fund  
 Ouriz Kouyoumjian Memorial Scholarship  
 Frank Lovett Fund  
 Louis E. Manseau Memorial Scholarship Fund  
 Helen L. McCormick Scholarship Fund  
 Daniel Murphy Fund  
 Nordstrom  
 Alice Paden Memorial Scholarship  
 Gerard Parent Fund  
 Edwin & Margaret M. Park Scholarship Fund  
 Edwin & Margaret M. Park Endowed Scholarship Fund  
 Walter and Janet Prockter Memorial Scholarship Fund  
 John and Dorothy Shea Foundation Scholarships  
 Strople Family Scholarship Fund  
 The Gertrude H. Stuart Scholarship Fund  
 Tiger International Scholarship Fund  
 Transamerica Occidental Life Insurance Company Scholarship  
 Unova Foundation  
 UPS Foundation Scholarship  
 Washington Mutual  
 Western Atlas Foundation Scholarship

*Students majoring in Accounting or Business may be eligible for awards from the following scholarship funds:*

Alder, Green & Hanson, LLP Accounting Scholarship  
 American Woman's Society of Certified Public Accountants Scholarship  
 Accounting Alumni Scholarship  
 Argyros/ICSC Scholarship  
 Arthur Andersen & Co. Accounting Scholarship  
 Arthur Andersen & Co. Scholarship Fund

Business Affiliates Scholarship Fund  
 Coopers & Lybrand Scholarship  
 Deloitte & Touche Scholarship  
 Ernst & Young Scholarship  
 Garrett Corporation Scholarship  
 William J. McIntosh, S.J. Scholarship Fund  
 KPMG Peat Marwick Scholarship  
 Moss Adams, LLP Scholarship  
 Pfizer Business Scholarship  
 Price Waterhouse Scholarship  
 Xerox Scholarship Fund  
 Arthur Young & Co. Scholarship

*Other scholarships administered by the University are the following:*

#### **Alcohol/Drug Studies Scholarship**

Provides financial assistance to students who show promise towards earning the Alcohol/Drug Studies Certificate.

#### **Alpha Delta Gamma Scholarship Fund**

Provides financial assistance to sons or daughters, brothers or sisters of Alpha Delta Gamma alumni from the Lambda Chapter.

#### **Alpha Sigma Nu Scholarship**

Awarded to outstanding students with financial need.

#### **Georgianna "Charlie" Atol Memorial Fund**

Award based on financial need for student who is enrolled as an undergraduate in the English department.

#### **Avery Dennison Scholarship**

Provides financial assistance to needy students with first preference to children of Avery Dennison employees.

#### **Avery Dennison Careers in Education Scholarship**

Provides financial assistance to a senior who is planning a career in teaching in the public school system. Preferences for minority students.

#### **Mary Adams Balmat Scholarship Fund**

Provides scholarships for financially needy undergraduate students with exceptional academic promise.

#### **Bank of America /ICSC Scholars Program**

Provides scholarship assistance to students entering junior year.

#### **Bank of America Foundation Scholarship**

Financial assistance provided to deserving minority students.

#### **Bannan/Western Gear Engineering Scholarship Fund**

Financial assistance awarded to Engineering majors.

#### **Virginia Barnelle Scholarship Fund**

Established in honor of Miss Virginia Barnelle for theatre arts majors.

#### **Dr. Halbert Blair Memorial Scholarship**

Provides financial assistance to a music/voice major in memory of Dr. Blair.

#### **Albert R. Broccoli Scholarship Fund**

Provides assistance to needy and deserving students studying film.

#### **Russ Buckley Memorial Athletic Scholarship Fund**

Provides scholarships to fifth year student athletes or undergraduate student athletes who have completed NCAA Division I eligibility or undergraduate student athletes who have been injured and can no longer compete at the NCAA Division I level.

#### **Burns L.A. Catholic High School Scholarship**

Established by the Fritz B. Burns Foundation for students who graduated from a Catholic high school in the Los Angeles area.

#### **Burns Out of State Catholic High School**

Established by the Fritz B. Burns Foundation for students who graduated from a Catholic high school in a state other than California.

#### **Sr. Martin Byrne Memorial Scholarship**

Award to be given to an undergraduate finance student for senior year tuition support.

#### **Edgar D. Cahn Memorial Scholarship Fund**

Provides scholarships for needy and talented students enrolled in the Bellarmine College of Liberal Arts Honors Program.

#### **Mother M. Gertrude Cain, R.S.H.M. Scholarship**

Established by Dorothy and Thomas E. Leavey for student aid to be awarded to members or prospective members of the Congregation of the Religious of the Sacred Heart of Mary as a first priority.

#### **Cantwell High School Scholarship**

Provides a full 4 or 5 year scholarship for tuition and books to a student from Cantwell High School. Selection based on financial need and academic achievement.

#### **Otto A. Carabba III Scholarship Fund**

To be awarded to a female senior majoring in English with at least a 3.0 GPA. Recipient selection based on either financial need or academic achievement.

#### **Frank Casado Scholarship**

Provides scholarship assistance to financially needy students interested in music, politics or journalism. Preference given to Latino students.

#### **Edna Van Wart Castera Fund**

Financial assistance for needy and worthy female students.

#### **Catholic Press Council Scholarship Fund**

Awarded to senior or graduate student Communication Arts major and based on creative promise and demonstrated productivity. Preference given to students who without this assistance could not complete their creative project.

**CFA Council Scholarship**

This scholarship is selected by the Communication and Fine Arts Council headed by the Dean of CFA. Each participating CFA department selects candidates.

**Father Maurice G. Chase Scholarship Fund**

An endowed fund established by Mr. and Mrs. Michael McCarthy in honor of their long-time friend and University administrator. Income from this fund is used to provide financial aid to deserving students from poor families who would not otherwise be able to attend the University.

**Rev. Peter Ciklic Memorial Scholarship Fund**

To be awarded to deserving undergraduate or graduate students majoring in Psychology.

**Class of 1952 Alumni Scholarship Fund**

Established by Loyola University class of 1952 for deserving children of alumni.

**Class of 1972 Alumni Scholarship Fund**

Available to sons and daughters of alumni based on academic achievement and financial need.

**Warren & Elizabeth Conrad Scholarship for the Blind**

Provides financial assistance to students who have been declared blind or legally blind.

**John Charles Cosgrove Scholarship**

Provides financial assistance for students enrolled in the College of Communication and Fine Arts, in honor of John F. Cosgrove's father, John Charles Cosgrove.

**Rev. Jerome L. Cummings Scholarship Fund**

Provides financial assistance for needy entering freshman student with a 3.0 high school GPA from the South Coast area and majoring in business, engineering or science.

**Daguerre Fund**

Recipients are preferably from Orange County.

**Frank & Mary L. Daley Memorial Scholarship**

Awarded to students enrolled in a pre-law, pre-medical, or graduate program at Loyola Law School.

**Myles P. Dempsey Scholarship**

Provides scholarships for needy out-of-state students from low or middle income families.

**Mary S. DeMartini Memorial Scholarship**

Preference given to science or pre-med students engaged in studies which might lead to improved understanding or care of human eyes, ears and throats.

**George A.V. Dunning Music Scholarship Fund**

Established by George A.V. Dunning to provide financial assistance for piano, voice and stringed instrument majors.

**Eschardie Scholarship Fund**

Scholarships are awarded each year to graduates of Loyola High School.

**Farmers Insurance Group of Companies Scholarship**

Awarded to sophomores, juniors or seniors with financial need majoring in mathematics, Computer science, business or other areas of study related to the insurance industry.

**Paul Feit Memorial Scholarship**

Awards are given to deserving entering freshmen that are graduates of Mater Dei High School, who demonstrate financial need.

**William F. Fitzgerald Scholarship Fund**

Provides financial assistance for needy minority students preferably enrolled in the Bellarmine College of Liberal Arts.

**J. Simon and J. Robert Fluor Memorial Scholarship**

Awarded to a senior student needing financial assistance to complete college.

**Charles Robert Forgnone Memorial Scholarship**

Provides assistance for studio arts majors with financial need, in memory of Mr. and Mrs. Robert Forgnone's son, Charles.

**Franciscan Scholarship Fund**

Scholarship assistance for Franciscan Fathers of the Western Province.

**Andrea Friedman Award**

This scholarship is awarded to new freshmen and transfer students majoring in Art and Art History.

**Eudice L. Friedman Memorial Scholarship Fund**

Established by University Regent Dan Friedman in honor of his late wife to aid women preparing for a career in medicine.

**George W. Goman Scholarship Fund**

Provides scholarship assistance for needy students who have been residents of Los Angeles County for at least five years prior to application for admission to LMU.

**Getty Music Scholarship**

Provides assistance to incoming freshmen who are majoring in music and who show promise in the field of music.

**GTE Independent Colleges Scholarship**

Awards are made with preference to students from GTE California's service areas and to women and minority students.

**Dr. Peter J. Haen Scholarship**

Awarded to undergraduate biology majors doing research in the field of biology.

**Andrew L. Hannon Electrical Engineering Scholarship Fund**

Provides financial assistance for junior or senior students majoring in electrical engineering demonstrating promise for successful completion of studies.

**Eugenie B. Hannon Scholarships**

Awarded to freshmen with financial need, academic promise, potential leadership and school or community involvement.

**Eugenie B. Hannon Engineering Scholarship**

Provides financial assistance to sophomore, junior or senior students who are majoring in engineering.

**William H. Hannon Science and Engineering Scholarship**

Awarded to freshmen entering the College of Science and Engineering.

**William H. Hannon Science and Engineering Scholarship for Upper-classmen**

Provides assistance to upper classmen from the College of Science and Engineering who are U.S. Citizens and have been residents of the state of California for at least two years.

**Julian Hatcher Scholarship Fund**

Provides financial assistance to seniors majoring in electrical engineering.

**Hollywood Canteen Foundation Scholarship**

For one or more deserving veterans of the U.S. Armed Forces.

**Brenda Renee Horn Memorial Scholarship**

Preference given to females majoring in business or pre-law.

**Truman Hutton Fund**

Scholarships for music majors with an emphasis on string players.

**Independent Colleges of Southern California Minorities Scholarship**

Awarded to minority students who are the first generation in their families to attend a college or university.

**Amparo Iturbi Music Fund**

Scholarship fund established by Jose Iturbi in memory of his sister, Amparo Iturbi, for Music majors, particularly those specializing in piano.

**Harry Johansing, Sr. Memorial Fund**

A scholarship in memory of Harry Johansing, Sr., donated by Mr. Joseph L. Flaig.

**Howard A. and Shirley V. Jones Scholarship Fund**

Provides financial assistance to female juniors or seniors enrolled in the College of Business Administration.

**Rev. Alfred J. Kilp, S.J. Alumni Scholarship Fund**

Provides financial assistance for sons and daughters of alumni with evidence of personal character and involvement in school and church activities.

**Nelly and John B. Kilroy**

This scholarship provides financial assistance to graduating seniors.

**Korn/Ferry Scholarship**

Scholarship awarded to student who shows leadership in business; intelligence, motivation, enthusiasm, integrity, creativity, and high ethical standards.

**John and Maria Laffin Scholarship**

Scholarships awarded to full-time students in the Asian and Pacific Studies Program.

**Laurel and Hardy Scholarship Fund**

Provides assistance for talented communication arts majors with financial need.

**Magda E. Lempart Memorial Scholarship**

This scholarship provides financial assistance to students studying the Romance languages.

**Liberal Arts Scholarship Fund**

Income from this fund to provide financial aid to students majoring in the liberal arts.

**Litton Industries**

Scholarship awarded to senior who plans a career in science, mathematics or engineering.

**Harold Lloyd Memorial Fund**

Partial scholarships for undergraduate and graduate students majoring in motion picture film production.

**Lockheed Scholars Program**

Provides assistance to students majoring in engineering, science, and math.

**Rev. James N. Loughran, S.J. Scholarship Fund**

Awarded to undergraduate, graduate and Law School students. Recipients selected by the President of the University.

**Loyola High School Scholarships**

Awarded to outstanding Loyola High School seniors.

**Loyola Marymount Guild Fund**

Established by contributions from the Loyola Marymount Guild.

**LMU Math Scholarship Fund**

Awarded to sophomore math major based on competitive exam.

**Clare Booth Luce Scholarship**

Provides the cost of tuition and room and board for highly qualified and outstanding female students majoring within the College of Science and Engineering.

**Michael Mantong/Delta Sigma Pi**

Provides scholarship assistance to a member of Delta Sigma Pi Fraternity.

**Rita A. Maurer Scholarship**

Provides scholarship assistance to a most deserving student with preference to a student from a Catholic high school.

**George Henry Mayr Scholarship**

Awarded to needy and deserving freshman and sophomore California residents.

**Andrew M. McIntyre and Family Scholarship Fund**

Income from this fund to provide financial assistance to students majoring in communication arts.

---



**Sr. Raymunde McKay, R.S.H.M. Scholarship Fund**

Provides financial assistance for sons and daughters of alumni who show financial need.

**William F. McLaughlin Memorial Scholarship**

Awarded to junior(s) majoring in biology, in recognition of their accomplishments, career aspirations and extracurricular activities.

**Jess E. Metcalf Business Scholarship Fund**

Awarded to a woman enrolled in the College of Business Administration.

**Messina Scholarship Program**

To be awarded to graduates of Jesuit preparatory schools throughout the world. The student must be from a family that needs financial assistance in order to send student to LMU.

**Foundation of the Milken Families Scholarship**

Awarded to minority students majoring in business or economics.

**Mitsubishi International Corporation Scholarship**

Awarded to a senior planning a career in science technology or engineering.

**Willa Young Morehart Scholarship Fund**

Provides scholarships for American-born Caucasian students majoring in engineering.

**Lee R. Murdy Scholarship**

Awarded to a senior member of the varsity baseball team on the basis of high academic achievement and a solid contribution to the baseball team.

**National Arts Association Scholarship**

Awarded to students majoring in the fine arts, graphic arts or the performing arts.

**Norris Foundation Education Scholarship**

This scholarship assists students enrolled in the School of Education who have financial need.

**Northrop Grumman Engineering Scholarship**

Awarded to engineering or computer science major who is a U.S. Citizen and exhibits interest in the aerospace/defense industry.

**Kenneth Olsen Scholarship Fund**

Provides scholarships for business majors who maintain a 3.25 GPA. Preference given to Black or Hispanic students.

**Jordan and Stella Olivar Scholarship Fund**

To be awarded to a needy and deserving student athlete, in loving memory of Loyola's head football coach from 1949-1951, Jordan Olivar.

**Richard O'Laughlin Memorial Scholarship Fund**

Provides assistance to worthy and needy students with preference to those in pre-medical or pre-dental courses. Awards may also be given to business administration majors or other students at LMU's discretion.

**Pacific Enterprises/The Gas company Accounting Scholarship**

Recipients to be juniors or seniors who are from an under-represented ethnic group and/or women and who are accounting majors.

**Pacific Enterprises/The Gas Company Engineering Scholarship**

Recipients to be juniors or seniors who are from an under-represented ethnic group and/or women and who are engineering majors.

**Pacificare Scholars Program**

For seniors interested in health care related fields with preference to outstanding minority students.

**Ralph M. Parsons Foundation Scholarship**

This scholarship is awarded to a junior whose major is math, science or technology and is intended to help retention and should be renewed in student's senior year. In addition, the student is given further funding for internship or research stipend to use on a project of his or her choice.

**Ralph M. Parsons Memorial Independent Colleges Scholarships**

Financial assistance for children of employees of The Parsons Corporation. If there are no applicants, the scholarship will be designated for either a business or engineering major.

**Ralph M. Parsons ICSC Scholarship**

Financial aid for junior or senior who is majoring in a degree leading to a teaching or counseling career at the elementary or secondary school level.

**Philip Morris/ICSC Minority Teacher Scholarship**

Financial assistance for minority students who must teach K-12 public school upon graduation.

**Thomas P. Pike Alcohol Studies Scholarship Fund**

Awarded to students enrolled in classes in the Alcohol/Drug Studies Program.

**Ted Rosen Music Scholarship**

Provides financial assistance to needy and deserving music majors displaying promise in their field. First preference to students studying violin.

**Victor H. Rossetti Fund**

Partial scholarships given annually to students in the College of Science and Engineering.

**Nanette Salamunovich Goodman Scholarship**

The recipient of this grant must be a member of the University Choruses and have a good scholastic record. Selection will be based on talent and dedication to choral singing and not on financial need.

**Clarence K. Santo Memorial Scholarship**

Awarded to needy and deserving incoming freshmen.

**Louise G. Sauvage Memorial Scholarship Fund**

For females majoring in journalism, pre-medicine, or any of the liberal arts.

**Sister Agnes Marie Schon, C.S. J. Scholarship**

Provides financial assistance to a deserving Hispanic female student in honor of Sr. Agnes Marie's dedicated service to Loyola Marymount University.

**Elsbeth Schulz-Bischof Memorial Scholarship Fund**

Provides annual award for either a student study/travel summer fellowship in western Europe or a fellowship for study for a worthy student in modern languages.

**Anthony Francis and Bessie Joanna Sidlow Memorial Scholarship Fund**

Provides financial assistance for female students majoring in business administration or engineering. Priority given to students of Czechoslovakian descent, followed by students of European heritage.

**Peter Stankovich Memorial Scholarship**

Priority given to needy and gifted students of Croatian or Slavic descent.

**John Stauffer Memorial Fund**

Preference given to students taking courses in the physical sciences, particularly chemistry.

**Robert H. Taylor, S.J. Scholarship**

Awarded on the basis of merit to students majoring in philosophy.

**Fred H. Trickett Memorial Scholarship Fund**

Preference given to needy fatherless or orphan students.

**Union Bank/ICSC Scholarship**

Scholarship assistance for needy California residents.

**David William Upham, Jr. Memorial Scholarship Fund**

Awarded to student majoring in film.

**Giovanni Vai Fund**

Partial scholarship for students of Italian descent of Southern California.

**Jack A. Vanier Fund**

Contributed by Kieran F. Vanier '37 for aid to a student majoring in music.

**Marjory K. Vanier Memorial Scholarship Fund**

A perpetual award for female students enrolled in either the Bellarmine College of Liberal Arts or the College of Communication and Fine Arts.

**Manny Varela Scholarship Fund**

Provides scholarship assistance for a graduate of Cantwell High School.

**Linda Von der Ahe Scholarship Fund**

Provides financial assistance primarily to graduates of Catholic High Schools on the basis of service, academic achievement and leadership potential.

**Western Association of Food Chains, Inc. Scholarship**

For business majors who plan to pursue a career in the food industry.

**Western Italian Golf Association Scholarship Fund**

Provides financial assistance to a student of Italian heritage.

**Milton F. Williams Memorial Scholarship**

Awarded to needy and deserving African American junior or senior with a major or minor in Afro-American studies with preference for majors in music or the arts.

**Michael J. Wright Fund**

To be awarded to undergraduate mathematics majors.

**Franco Zeffirelli Communication Arts Scholarship Fund**

Income from this fund is awarded to students majoring in communication arts.

**Archbishop Zwijsen Scholarship**

An annual scholarship established by the Brothers of Our Lady, Mother of Mercy, for deserving and needy students with preference to those in a pre-health program.

*The Following Scholarships Require a Separate Application:*

**AFROTC College Scholarship Program**

Four-year scholarships are available to highly qualified high school senior students interested in becoming Air Force officers. Scholarships are awarded based on needs of the Air Force, not necessarily the financial need of the applicant.

The Air Force ROTC also offers three-year scholarship opportunities to college freshmen. Two-year scholarships are available to all college students with two years of academic work remaining, either undergraduate or graduate. One-year scholarships are available to students majoring in career fields in which the Air Force has a shortage, such as law and nursing. Scholarships pay all or a portion of tuition as well as books, fees, and \$150 per month.

**Henry Cisneros Scholarship**

Awards are made to students of Hispanic descent majoring in health sciences.

**Coca-Cola First Generation Scholarship**

This scholarship is awarded every other year (even-numbered years) to incoming freshmen that demonstrate involvement and leadership in community and campus activities. High school seniors need to apply through their high school and the official Coke brochure.

**Communication and Fine Arts Scholarship Fund**

Selection is based on talent and experience.

**Marc Enriquez Memorial Scholarship**

Awarded to deserving music students in piano or composition.

**Golden State Minority Foundation Scholarship**

Annual award for minority student majoring in business administration, health administration or engineering.

**Hughes Scholarship and Internship Program**

Applicants must be seniors majoring in the sciences, mathematics, business or finance. Preference is given to women and minorities.

---

**Hughes Space and Communications Fellowship**

For students from Westchester High School who are Engineering majors. This award is renewable for 4 years and covers tuition and books. In addition, Hughes offers a summer job and job offer upon student's graduation.

**Lewis A. Kingsley Foundation Scholarship**

Applicants must be employed. Available only to continuing students with minimum cumulative GPA of 2.0.

**Mexican American Alumni Association Scholarship**

Scholarship assistance for current students of Hispanic descent, up to \$2,000 each. Apply to Chicano/Latino Supportive Services.

**Ralph M. Parsons Memorial Scholarship**

Applicants must be related to an employee of Ralph M. Parsons Company.

**Los Angeles Philanthropic Foundation Scholarship**

Provides financial assistance for continuing students who maintain a 3.0 GPA and participate in community or university organizations.

**Pike/Christopher Scholarship Fund**

Awarded to students who exemplify the qualities of high moral integrity, love of one's fellow men, truthfulness, a strong commitment to religious and moral principles, devotion to duty and to the service of others, courage of conviction, and leadership. Donated by Mr. and Mrs. Thomas P. Pike. Application deadline is approximately April 30 each year.

**Mabel Wilson Richards Scholarship**

Applicants must be needy female Los Angeles County residents with at least a 3.0 GPA. Forms available in the Financial Aid Office during the fall semester of each year.

**Rotary Club of Westchester Scholarship**

Awarded to graduates of St. Bernard's or Westchester High School or to residents of Westchester.

**Donald A. Strauss Public Service Scholarship**

\$10,000 scholarship for senior year students interested in public service. Application procedure includes a proposal on a public service project.

**TELACU Scholarship**

Provides scholarship assistance to freshmen Hispanic/Latino students who graduated from specified East Los Angeles area high schools or continuing and transferring students from selected colleges or universities. See application for further requirements.

**Sharon Walter Memorial Scholarship Fund**

Awarded to students majoring in art and art history who have demonstrated superior academic achievement. Financial need is not a consideration. Forms available in the Financial Aid Office.

**John F. Warwar Scholarship Program**

Scholarship assistance to seniors from high schools in the harbor area majoring in engineering, science or business.

---

# Tuition and Fees

The tuition charge supports the instructional program and general services of the University such as ordinary health services, lectures, library, gymnasium and swimming pool.

## Regular Tuition

### Undergraduate Full Time Students

(programs of 12 through 18 semester hours):

Students entering after May 6, 2000:

- per academic year \$19,100
- per semester \$9,550

Students entering before May 7, 2000:

- per academic year \$18,800
- per semester \$9,400

## Special Tuition

### Part Time Undergraduate Students

(11 semester hours or less and hours in excess of 18):

Students entering after May 6, 2000:

- per semester hour \$795

Students entering before May 7, 2000:

- per semester hour \$785

Auditors, per semester hour ..... \$200

High School Advanced Placement,  
per semester hour ..... \$20

## Residence Hall Fees

Housing Deposit ..... \$250 mandatory

This deposit is applied to the room charge but is forfeited by those who fail to register.

Desmond and Doheny (women) and  
Rosecrans & Whelan Halls (men)

double rooms, per academic year ..... \$4,328

Huesman and Sullivan Halls

double rooms, per academic year ..... \$4,328

McKay Hall

double rooms with adjoining baths,  
per academic year ..... \$4,712

McCarthy and Rains Halls

double rooms with adjoining baths,  
per academic year ..... \$4,986

Leavey Center (women)

double rooms with adjoining baths,  
per academic year ..... \$4,986

Students who live on campus during recess periods will be charged a daily rate. Special rates apply to single and private living quarters.

## Apartment Fees

The University has approximately 670 beds in completely furnished apartment style residence halls on campus. Each apartment accommodates four students in two bedrooms with adjoining baths and living rooms with a pullman style kitchen.

Loyola Apartments

per academic year ..... \$5,420

Hannon and Tenderich Apartments

per academic year ..... \$5,636

O'Malley Apartments

per academic year ..... \$5,946

Apartments are open during recess periods.

## 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 Marriott Food Services. Both the Malone Center and University Hall dining facilities will feature restaurant-style food selections on a declining balance, *a la carte* basis. Lion Dollar Plans are only partially refundable.

Plan L, per academic year ..... \$2,900

Plan I, per academic year ..... \$2,500

Plan O, per academic year ..... \$2,100

Plan N, per academic year ..... \$1,700

Commuter students and apartment residents may purchase any of the plans listed above or may open a plan account with a minimum value of \$100 or multiples thereof.

(These rates are subject to change.)

## Other Fees

Accident Insurance (mandatory for 7 or more units) .. \$58  
(estimated)

Application Fee (mandatory) ..... \$40

Commitment Deposit (mandatory) ..... \$200  
The commitment deposit is held by the University and is refunded to the student after leaving the University either by withdrawal, dismissal, or graduation. The commitment deposit is forfeited by those who fail to register.

Degree Application Fee (mandatory for graduating students) ..... \$120

Orientation Fee (mandatory for entering freshman and transfers):  
Fall entry ..... \$165  
Spring entry ..... \$85

Registration Fee, per semester (mandatory):  
Full-time ..... \$32  
Part-time ..... \$16  
Summer ..... \$12

Sickness Insurance (mandatory for 7 or more units unless proof of coverage provided) ..... \$300  
(estimated)

Student Activity Fee (mandatory for full-time undergraduates:  
per academic year (full-time) ..... \$60  
per semester hour (part-time) ..... \$2

Student Recreation Facility Fee (mandatory for all full-time undergraduate students, voluntary for all part-time and graduate students):  
per academic year ..... \$100  
per semester ..... \$50  
guests of students, per visit ..... \$5

Yearbook Fee (mandatory for full-time undergraduates) ..... \$33

*Miscellaneous Fees - Generally all miscellaneous fees are non-refundable unless stated otherwise.*

Collection Cost ..... \$25 minimum  
(to a maximum of 40% of the outstanding balance)

Credit by Examination ..... \$50

Deferred (Ten) Payment Plan ..... \$50

Directed Teaching Fee, per semester hour:  
Elementary ..... \$25  
Secondary ..... \$25

Duplicate billing fee (duplicate statements and/or expense letters) ..... \$7

Equipment Insurance Fee ..... \$5

Late Financial Clearance Fee ..... \$50

Late Payment Fee (monthly) ..... \$50

Replacement Charge for One Cards ..... \$15

Returned Check Charge ..... \$25

Rush Transcript ..... \$10

Teacher Placement Fee ..... \$30

Vehicle Registration Fee (Automobile or Motorcycle), per year ..... \$200

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

Any unpaid fines (such as parking, library or property damage) or 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 the 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. The 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.

## Estimate of Charges

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, transportation, sickness insurance, or other personal costs:

	<b>Residence Hall</b>	<b>Apartment</b>
Tuition (12-18 units)	\$19,100	\$19,100
Room	4,328	5,420
Meals	2,500*	1,000**
Fees, Books, Supplies	1,025	1,025
<b>Total Estimate</b>	<b>\$26,953***</b>	<b>\$26,545***</b>

\* Assumes Lion Dollar Plan I.

\*\* Assumes Lion Dollars only.

\*\*\* Financial Aid Budget may vary due to individual circumstances.

## Payment of Student Charges

Tuition, fees, and board charges are payable by the semester. **Financial clearance is necessary prior to registration.** This may be obtained from the Controller's Office 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 check for tuition or fees is returned unpaid from the bank or who has defaulted on payment arrangements.

Financial clearance cannot be granted and pre-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.

## Sickness Insurance

The annual Sickness Insurance fee of \$300 (estimated) is mandatory for students who are U.S. citizens taking 7 or more units. Domestic students may waive coverage by submitting the appropriate form to the Controller's Office by September 1, 2000. New students taking 7 or more units and returning students taking 7 or more units for the first time during the 2000-2001 academic year will be charged a prorated amount for Spring semester unless a waiver form is submitted to the Controller's Office by February 1, 2001.

International (Visa) students, regardless of the number of units in which they are enrolled, must purchase the Mandatory International Student Sickness Insurance. **The International Sickness Insurance may not be waived** and the cost is \$300 (estimated) for single coverage. Higher premiums may be charged depending upon marital status and number of dependents.

## Monthly Payment Plan

Parents who prefer to meet educational expenses out of monthly income rather than in a single payment at the beginning of each semester may apply for the University's annual ten month payment plan. The ten month payment plan requires the first two months' payments to start the plan. The plan requires a nominal fee for enrollment;

however, interest **is not** charged on outstanding balances. A monthly late fee is assessed to students who fail to pay their payment by the end of each month. Students may take advantage of our automatic Visa/Mastercard/Discover/Amex feature that allows a one-time authorization followed by a monthly charge.

Visa, Mastercard, Discover and American Express Cards are accepted.

## 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 Student Financial Aid Office.

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. Counseling by the Veterans Administration will be required before the student enrolls for another term with benefits. The Veterans Administration's Advisement and Counseling Service is a free service provided under Federal Law. Failures, withdrawals and NC's are not recognized as making satisfactory progress.

## Refunds and 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 Registrar and Housing Offices 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 except in cases of withdrawals and leave of absences, whereby a pro-ration is calculated. 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 times of crisis which may interrupt a student's semester studies so that she/he cannot or should not finish the semester. Students may purchase Dewar Tuition Refund Insurance for added protection. The tuition refund insurance subsidizes the withdrawal percentage listed below. 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.

### Fall 2000

<b>Withdrawal Percentage</b>	<b>All Students</b>
100% through .....	Sept 01, 2000
90% through .....	Sept 06, 2000
70% through .....	Sept 14, 2000
50% through .....	Sept 22, 2000
25% through .....	Oct 19, 2000
0% on or after .....	Oct 20, 2000

### Spring 2001

<b>Withdrawal Percentage</b>	<b>All Students</b>
100% through .....	Jan 17, 2001
90% through .....	Jan 20, 2001
70% through .....	Jan 27, 2001
50% through .....	Feb 26, 2001
25% through .....	Mar 7, 2001
0% on or after .....	Mar 8, 2001

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 is received to the contrary.

## Security Interest in Student Records

A student may not receive a diploma, certificate or transcript until all accounts, current or otherwise, have been settled in accordance with University and Agency requirements. Students with delinquent accounts will be prohibited from future registration until all balances are resolved to the University's satisfaction. Such documents and services will be retained by Loyola Marymount University as security for such obligations until they are satisfied.

If a student defaults on payment of a Federal Perkins Student Loan, Federal Family Educational Loan, Institutional Loan, or fails to satisfy exit interview requirements, a security interest in records and services will remain in effect until debts and 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

A large, empty rectangular box with a black border, occupying the central portion of the page. This box is intended for the user to define or outline the University Core Curriculum.



# University Core Curriculum

## Goals and Objectives of the Core Curriculum

Consistent with the goals of the University and with the desire to provide undergraduate students with an education founded strongly in human values, Loyola Marymount University has adopted the following goals and objectives.

### Goals:

- To provide a strong undergraduate humanistic education within the traditions of the Society of Jesus and the Religious of the Sacred Heart of Mary.
- To foster the desire for knowledge and to provide the skills necessary for a lifetime of intellectual growth in a global society.
- To prepare students to play active roles in addressing the problems and challenges they will face in attempting to create a just world.

### Objectives:

- To develop an understanding of religious experience and beliefs, with particular attention to theological questions as addressed by Catholic Christianity.
- To develop a habit of philosophical reflection.
- To develop an understanding and appreciation of the history of humankind in the arts, literature, and philosophy.
- To develop a knowledge of the structures, values, and practices of contemporary societies.
- To develop the arts of precise and elegant expression in speaking and writing.
- To develop the skills of critical thinking.
- To develop quantitative skills and an understanding of the history and principles of mathematics and science and technology.
- To cultivate and engage the creative imagination.
- To explore ways to live more fully and to act more responsibly within a culturally diverse world.

The following core curriculum encourages intellectual breadth. No matter the student's major, all students should be acquainted with the nature of discourse and practice in the major areas of knowledge that will prepare students for life after Loyola Marymount University.

**Students should consult the college sections of this Bulletin for core curriculum requirements specific to each college.**

## Core Curriculum Requirements

American Cultures

College Writing

Communication or Critical Thinking

Critical and Creative Arts

History

Literature

Mathematics, Science and Technology

Philosophy

Social Sciences

Theological Studies

## American Cultures

American Cultures courses will examine and compare the American experience of at least three of the following groups: African American, American Indian, Asian American, Chicana/o-Latino/a, and European American. The objective of these courses is to explore the contributions of these groups to human knowledge and development. Classes will also explore the varieties of cultural expression, behavior and interaction.

First and second year students choose from any lower division course listed or cross-listed as AMCS. Third and fourth year students choose from any upper division course listed or cross-listed as AMCS.

A single course will generally not fulfill two core requirements. The only exception is a course that satisfies another core requirement which is also cross-listed as AMCS.

## College Writing

### Proficiency in Writing

All entering first year students will demonstrate writing proficiency by completing an essay administered in all English 110 sections during the first week of classes. Based on performance in this essay, students will remain in ENGL 110 or be placed in ENGL 100 (Reading and Writing Strategies)

and ENGL 101 (Required Writing Lab). Some students will be recommended to enroll in English 111 (Elective Writing) or ENGL 020 (Elective Reading Lab).

## College Writing Courses

The required course in college writing teaches students how to produce clear and logical, thoughtful and persuasive expository prose suitable to a variety of academic disciplines. To do this effectively, students must learn to be critical readers and thinkers. A critical analysis of both reading and writing enables students to create more meaningful and effective prose. ENGL 110 or, if necessary, ENGL 112 will fulfill the college writing requirement. ENGL 100 will not fulfill the college writing requirement, but is required of certain students based on their performance in the essay administered in all ENGL 110 sections during the first week of classes. A minimum grade of C (2.0) is required in ENGL 110. All students who receive a grade of C- (1.7) or lower must enroll in ENGL 112 the following semester. Those students who wish may retake ENGL 110 to raise their grades, but only after they have successfully completed ENGL 112.

## English 100: English as a Second Language

Students enroll in English 100 based on their performance in an essay administered in all ENGL 110 sections during the first week of classes. This course is designed to give students essential skills in writing and reading English. Students must earn a grade of C (2.0) or better in order to pass this course.

## English 110: College Writing I

The art of clear and effective college writing. This course will teach students how to generate clear and persuasive expository prose suitable to a variety of academic disciplines. Students must earn a grade of C (2.0) or better in order to fulfill the college writing requirement. Students who receive a C- (1.7) or lower in ENGL 110 must enroll in ENGL 112 the next semester. Students who wish may retake ENGL 110 to raise their grades, but only after they have successfully completed ENGL 112.

## English 112: College Writing II

An intensive course in analysis, argument and critical thinking strategies designed to help students achieve college level proficiency in critical writing. A grade of C (2.0) or better is required. If necessary, this course must be repeated until a grade of C (2.0) is achieved.

# Communication or Critical Thinking

---

## Communication

The communication offerings develop students' abilities to analyze issues and problems more logically. Students will prepare arguments, presentations and speeches. They will also learn to listen more critically and speak more effectively in a variety of settings.

## Critical Thinking

The course in critical thinking helps students to improve their reasoning skills through a study of logic and its application to several types of argumentation, both oral and written. The students are taught both the technical skills of argument evaluation and the other skills needed to construct sound arguments and debates.

# Critical & Creative Arts

---

## Critical Arts

Critical Arts courses are those courses in the history and theory of the arts which analyze artistic works in their social contexts as well as the aesthetic expectations and conventions which inform them.

## Creative Arts

The objective of courses in the Creative Arts is to develop individual expression through exploration, analysis and creation of artistic works.

## History

---

This category of courses analyzes the major concepts, ideologies, and movements that have dominated the course of civilization in order to develop in students the historical perspective necessary to better understand the global society in which they live.

## Literature

---

Prerequisite: Successful completion of college writing requirement.

Core literature courses enhance students' understanding and appreciation of literary works. A study of fiction, poetry, or drama familiarizes the students with both the strategies available to the fiction writer, poet, or playwright in creating the literary work and the variety of critical approaches for analyzing and evaluating literature.

## Mathematics, Science and Technology

---

### Proficiency in Mathematics

All students must demonstrate proficiency in mathematics. The mathematics course(s) required for a student to demonstrate mathematics proficiency teach the student the quantitative and analytic skills needed to function as an informed citizen in an increasingly technological world.

Any student with a grade of 4 or 5 on at least one of the Calculus A/B, Calculus B/C or the Statistics Advanced Placement Examinations has already demonstrated proficiency in mathematics.

Students in the **College of Communication and Fine Arts** and students in the **Bellarmino College of Liberal Arts** who are **NOT** required to take a mathematics course as part of their major requirements normally demonstrate proficiency in mathematics by receiving credit in Quantitative Skills for the Modern World (MATH 100). The Mathematics Placement Examination is not necessary for enrollment in this course.

Students in the **College of Business Administration, the College of Science and Engineering** and the **Bellarmino College of Liberal Arts** majoring in **economics or liberal studies** demonstrate mathematics proficiency by receiving credit in the mathematics courses required by their particular majors. These students must take the Mathematics Placement Examination to determine placement in appropriate classes. If the results of this placement examination indicate, students are required to enroll in and pass Algebra (MATH 101) before they qualify to enter the mathematics course required by their major. In all cases, mathematics proficiency is met only after receiving credit in the mathematics coursework required by the major.

**Psychology majors** demonstrate mathematics proficiency by passing Elementary Statistics (MATH 154) with a grade of C or better. These students do not take the Mathematics Placement Examination but enroll directly into Elementary Statistics (MATH 154).

- Students seeking a secondary teaching credential should see their advisor for further information on mathematics that they should take.
- Students desiring to take MATH 111, 112, 120, 122, 131 or 306, even though their specific major curriculum does not require mathematics, should see their advisor for appropriate action.
- Transfer students should see the Dean of their College for specific information.

All students should see their individual college section in the Bulletin and their major requirements described in the Bulletin for further specific information.

## Mathematics, Science and Technology Courses

Prerequisite: Credit in MATH 100 or MATH 101 or placement into MATH 111 or higher.

These courses introduce the student to the methodology and mathematics used in a field of mathematics, science or engineering, as well as provide a more in-depth study in a specific area. These courses include laboratories and/or demonstrations providing the student with hands-on experience.

## Philosophy

---

The lower division core course is designed to introduce students to the nature of philosophy as a discipline, and to address selected central metaphysical and epistemological issues surrounding the question of human nature.

Upper division courses examine questions that a person asks in order to form an intelligent philosophy of moral choice, with particular attention to those moral concepts that have been most important in shaping Christian culture. The approach may emphasize either the major moral theories or selected contemporary moral problems.

## Social Sciences

---

These courses will introduce students to systematic, empirically grounded investigations of individuals and the structures, values and practices of contemporary societies. Students develop conceptual and analytical skills necessary to understand the economic, political, psychological, cultural and/or social conditions that influence our lives.

## Theological Studies

---

A general objective of Theological Studies courses is for students to face the issues of religious beliefs and their consequences in their lives.

The objectives of the lower division core courses are to examine the nature of religion, the nature of Christian faith and the methods for understanding scripture.

The objectives of the upper division core courses are to deepen the students' knowledge of at least one of the three areas covered in the lower division course under one of the following categories: biblical theology, historical theology, systematic theology, moral and practical theology and world religions.

## **Note: International/Global Studies**

---

The current core curriculum includes many courses dealing with international and global studies. All students are required to complete History 100 or 101 which deal with European culture. In addition, it is recommended that students take additional core courses which include the study of European cultures.

To further augment the understanding of world cultures, it is recommended that students also choose at least one core course that includes the study of Africa, Asia, the Pacific, or Latin/Indigenous America.

## **Recommendations**

---

Students are encouraged to enrich their program of study with selected electives from the following areas. Consult the Bulletin for specific offerings.

### **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, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, Spanish, and Tagalog 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.

---

# Academic Degrees and Programs

## Undergraduate Degrees and Major Programs with Areas of Concentration

Loyola Marymount University offers courses leading to the following undergraduate degrees:

- B.S. in Acc. .... Accounting
- B.A. .... African American Studies
- B.A. .... Animation
- B.A. .... Art History
- B.A. .... Asian and Pacific Studies
- B.S. .... Biochemistry
- B.A. or B.S. .... Biology
- B.B.A. .... Business Administration
  - Business Law Studies
  - Finance
  - International Business
  - Quantitative/Information Systems
  - Management/Human Resources
  - Marketing
  - Tourism and Travel
- B.S. .... Chemistry
- B.A. .... Chicano Studies
- B.S. in E. .... Civil Engineering
  - Environmental Engineering
- B.A. .... Classical Civilization
  - Greek Civilization and Latin
  - Roman Civilization and Latin
- B.A. .... Classics
- B.A. .... Communication Arts
  - Film Production
  - Recording Arts
  - Screenwriting
  - Television Production
- B.A. .... Communication Studies
- B.S. .... Computer Science
  - Algorithms and Data Structure
  - Interactive Multimedia
- B.A. .... Dance
- B.A. or B.S. .... Economics
- B.S. in E. .... Electrical Engineering
  - Computer Engineering
- B.S. .... Engineering Physics
- B.A. .... English
  - Literature
  - Writing
- B.A. .... European Studies
  - Art/Philosophy/Music
  - History/Economics/Political Science/
  - Business Administration/
  - Sociology/Geography
  - Modern Europe/Classical
  - Language/Literature
- B.A. .... French
- B.A. .... Greek
- B.A. .... History
- B.A. .... Humanities
  - Family Relations
  - Individualized Studies
- B.A. or B.S. .... Individualized Studies
- B.A. .... Latin
- B.A. .... Liberal Studies
  - Childhood and Adolescence
  - Family Relations
  - Individualized Studies
  - Natural Science
  - Physiology/Kinesiology
- B.S. .... Mathematics
- B.S. in E. .... Mechanical Engineering
- B.A. .... Music
  - Choral Conducting
  - Instrumental Conducting
  - Instrumental Studies
  - Music History/Literature
  - Theory/Composition
  - Voice Studies
  - World Music/Ethnomusicology

B.S. ....	Natural Science - Environmental Science - General Science - Secondary Science Education
B.A. ....	Philosophy
B.S. ....	Physics
B.A. ....	Political Science
B.A. ....	Psychology
B.A. ....	Sociology
B.A. ....	Spanish
B.A. ....	Studio Arts - Fine Arts - Graphics - Multimedia Arts
B.A. ....	Theatre Arts
B.A. ....	Theology
B.A. ....	Urban Studies

German
Greek
Hispanic Business
History
Irish Studies
Italian
Latin
Lay Ministry
Mathematics
Modern Greek Studies
Music
Peace Studies
Philosophy
Physics
Political Science
Psychology
Sociology
Spanish
Special Education
Studio Arts
Theatre Arts
Theology
Urban Studies
Women's Studies

## Minor Programs

Loyola Marymount University offers courses leading to the following undergraduate minor programs:

Accounting
African American Studies
Alcohol/Drug Studies
Animation
Art History
Asian Pacific American Studies
Asian and Pacific Studies
Biochemistry
Biology
Business Administration
Chemistry
Chicano Studies
Classical Civilization
Classics
Communication Arts
Computer Science
Dance
Economics
Electrical Engineering
English
European Studies
French

## Graduate Degrees

Loyola Marymount University offers courses leading to the following graduate degrees:

M.A. ....	Bilingual/Bicultural Education
M.A. ....	Catholic Inclusive Education
M.A. ....	Catholic School Administration
M.A. ....	Child and Adolescent Literacy
M.F.A. or M.A.T.	Communication Arts
M.A. ....	Counseling
M.A. ....	Counseling Psychology
M.A. ....	Educational Psychology
M.A. ....	Elementary Education
M.A. or M.A.T. ..	English
M.A. ....	General Education
M.A. ....	Literacy and Language Arts
M.A. ....	Marital and Family Therapy

- M.A. .... Pastoral Studies
- M.A. .... Philosophy
- M.A. .... Secondary Education
- M.A. .... Special Education
- M.A. .... Teaching English as a Second Language/Multicultural Education
- M.A. .... Theology
- M.A.T. .... Biology
- M.A.T. .... History
- M.A.T. .... Latin
- M.A.T. .... Learning and Teaching
- M.A.T. .... Mathematics
- M.A.T. .... Social Studies
- M.B.A. .... Business Administration
- M.B.A./JD ..... M.B.A./Law (dual program degree)
- M.S. in E. .... Civil Engineering
- M.S. .... Computer Science
- M.S. in E. .... Electrical Engineering
- M.S. .... Environmental Science
- M.S. in E. .... Mechanical Engineering
- M.S. .... Engineering and Production Management
- M.A. .... Administration

## Certificate Programs

Loyola Marymount University offers courses leading to the following certificate programs:

Alcohol/Drug Studies (Undergraduate and Graduate)

Pastoral Studies (Graduate)

Additional certificate programs are available through the Continuing Education Division.

## Law Degree

Loyola Law School offers courses leading to the degree of Juris Doctor. The Graduate Division and the Law School offer a dual program in Juris Doctor and Masters of Business Administration.

## Credential Programs

Under the jurisdiction of the State of California and the approval of the Commission on Teacher Credentialing, Loyola Marymount's School of Education offers courses leading to several state-granted credentials. Programs that may be completed concurrently with an undergraduate degree program are:

- Elementary Education (Multiple Subject)
- Secondary Education (Single Subject)
- Special Education (Child/Moderate Disabilities)

Credential and certificate programs are also offered at the graduate level. Please see the Graduate Bulletin for further details.



# Academic Degree Requirements and Policies

All regulations and rules or procedures contained in this official Bulletin apply to undergraduate programs in Liberal Arts, Communication and Fine Arts, Science and Engineering, Business Administration, and Education. Questions of interpretation and application in individual cases should be presented through written petition to the appropriate Dean.

**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.**

## Academic Calendar

The University offers two fifteen-week semesters and two six week summer sessions.

## Degree Requirements

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

1. All candidates in the undergraduate colleges must complete a minimum of 120 semester hours including core and program requirements and 45 semester hours of upper-division course work. Certain programs require more than 120 semester hours. These are noted under the appropriate department listings.
2. All work done 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).
3. 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 Director of the major deem an exception appropriate.
4. A student is held responsible for academic regulations in effect at the time of entrance or for those in effect in the senior year provided the student maintains continuous enrollment. Similarly, a student who declares or changes a major after being admitted to the University is held responsible for the academic regulations in effect at the time the major is declared or changed. A student who interrupts LMU enrollment is subject to the academic regulations in effect in the University Bulletin at the time enrollment is resumed.
5. Degrees are awarded at the end of the Spring term, August 31, and December 31. The date of the degree posted on a student's diploma is the one by which all graduation requirements are completed or documents are submitted. These include:
  - A. A submission of transcripts from other institutions prior to the degree date;
  - B. The completion of all incomplete work required for the degree prior to the degree date;
  - C. File application for degree by the deadline date for the term in which all of the above conditions will be met. If a student has been canceled for graduation in a given term, it is the responsibility of the student to again file for graduation for a later term.

## Second Baccalaureate Degree

A student who possesses an earned bachelor's degree from an institution accredited by one of the six regional associations of the Accrediting Commission for Senior Colleges and Universities may earn a second undergraduate degree with a different major field of study by meeting all of the following requirements:

1. Completion of at least 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;
2. Fulfillment of the core requirements of the College in which the major is offered;
3. Satisfaction of all the requirements for the major;
4. Completion of the application for degree process. (c.f. #5 above)

## Academic Advising

Each student is assigned an academic advisor. As part of the registration process, students must consult this advisor in the preparation of their academic programs. Students who have not yet decided on a major program should consult the Dean's Office. Advisors are provided to assist students in planning the academic program. They are not authorized to change established policy of the University. The student is solely responsible for assuring that his/her academic program complies with the policy of the University. Any advice which is at variance with established policy must be confirmed in writing by the Dean's Office.

## Academic Grievances and Appeals

A student who has an academic problem with degree requirements should first discuss it with the advisor. If this proves unsatisfactory, the student should consult the department chairperson. If still unresolved, the student should consult the dean of the college.

## Academic Disqualification

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 and of all organizations or activities in any way connected with it.

The following classes of students will be subject to disqualification:

1. A student who while on probation fails to earn a C (2.0) average during the next semester, or who has not attained an accumulated grade point average of C (2.0) within two semesters after having been placed on probation;
2. A student who has had special academic requirements imposed by the Dean or the Committee on Academic Standing and Degrees and does not meet the requirements within the time prescribed.

## Readmission after Disqualification

Disqualified students are not eligible for readmission until the lapse of one calendar year.

1. A disqualified student who wishes to be reconsidered for readmission to the University must make formal application with the Admissions Office.
2. A formal interview must take place with the Dean's Office prior to formal readmission.
3. 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.
4. A student who has been disqualified a second time may not apply for readmission.

## Academic Honesty and Integrity

Loyola Marymount University expects high standards of honesty and integrity from all members of its community. Applied to the arena of academic performance these standards preclude all acts of cheating on assignments or examinations, plagiarism, forgery of signatures or falsification of data, unauthorized access to University computer accounts or files, and removal, mutilation, or deliberate concealment of materials belonging to the University Library.

Students who commit any offense against academic honesty and integrity may receive from an instructor a failing grade in an assignment or a failing grade in a course without possibility of withdrawal.

The nature of any of the offenses mentioned above may dictate suspension or dismissal from the University or any other penalty as determined by the student's Dean and/or the Academic Vice President. A copy of the hearing and appeals process is available from the Academic Vice President's Office.

## Academic Probation

Academic probation carries a serious warning to the student that the scholastic record is unsatisfactory and continued failure to improve this record may result in being declared ineligible to attend the University. Students on probation may also have restrictions imposed by the Dean regarding their program of studies and their participation in extracurricular activities. The following classes of students will be placed on probation:

1. A student who in any term fails to earn a C (2.0) average,
2. or whose cumulative grade point average falls below a C (2.0),
3. An upper division student who in any one term fails to earn a C (2.0) average in the major requirements,
4. or whose cumulative grade point average in the major requirements falls below a C (2.0).

## Attendance

The policy on class attendance is within the discretion of the individual faculty member and shall be announced by the faculty member at the first class meeting of the semester.

## Auditing a Course

Enrolled LMU students may not enroll as auditors in a regularly scheduled LMU course through the Continuing Education Division.

Students will be permitted to register as auditors only for exceptional reasons and with the authorization of the Dean of the college in which the course is offered. 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 and in non-lecture courses, participation is required.

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 in which the course is offered.

---

Tuition for courses audited are usually one-fourth (25%) of the regular per credit hour tuition rate. Part time students and students enrolled in an overload seeking to change from credit to audit status will be eligible for tuition adjustment only if the change is made within the period for late registration.

## Change of Address

All students must notify the Office of the Registrar immediately of any change in their local address or that of their parents or guardians. The University assumes no responsibility for materials sent through the mail not received.

## Classification of Matriculated Students

Students are classified according to the following norms:

Freshman:	Satisfaction of entrance requirements.
Sophomore:	Completion of 30 semester hours.
Junior:	Completion of 60 semester hours.
Senior:	Completion of 90 semester hours.

## Course Explanations

### Classification of Courses

This section contains a list of symbols for all courses offered at the University, excluding the courses offered at the School of Law.

000-099	Courses offered in this number range do not carry degree-granting credit.
100-299	Lower division courses - degree granting credit.
300-499	Upper division courses - degree granting credit.
500-599	Upper division undergraduate courses in which graduate students may enroll and receive graduate credit.
600-699	Graduate courses - degree granting credit.
800-999	Continuing Education courses. Courses offered in this number range do not carry degree-granting credit.

In exceptional circumstances, seniors may take courses in the 600 series with the written permission of the chairperson of their major department and the Dean of the Graduate Division. In such cases, they register for "599 — Independent Studies." In this instance, the course is calculated in the undergraduate career. No undergraduate student may register for a course in the 600 series. Only students accepted into the Graduate Division may register for 600 numbered courses.

## Special Studies (98)

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.

## Independent Studies (99)

Courses whose numbers have as the last two digits "99" are Independent Studies. This is an individualized study arranged by a student with a faculty member and approved by the Chair of the Department and the Dean.

## Course Load

The normal course load for a semester is 15-17 semester hours in the Colleges of Liberal Arts, Communication and Fine Arts and Business Administration. It is 15-18 semester hours in the College of Science and Engineering. Loads exceeding the normal (unit overloads) require the successful completion of a normal load in the previous term with at least a 3.00 GPA. Students in the Bellarmine College of Liberal Arts must meet the same conditions with a GPA of 3.25.

## Credit by Challenge Examination

A student may obtain credit by examination for undergraduate courses in the Loyola Marymount Bulletin in selected undergraduate courses as approved by the Deans of the respective colleges.

To challenge a Loyola Marymount undergraduate course by examination, a student must be regularly enrolled and a full-time student. A course may be challenged only once and only during the fall and spring semesters, not during the summer session. 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. Moreover, a student may not challenge a course which has been audited. Nor may students challenge a course for which they have received a W, I, NC or F 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. 100 and 200 level courses in the Department of Modern Languages may not be challenged.

A petition for receiving course credit by examination must be obtained from the Office of the Registrar. The examination carries a fee of \$50, payable in advance and non-refundable.

## Credit/No Credit Grading

Students may not be graded on a Credit/No Credit basis in courses which are part of a major, minor, or core curriculum program. Credit courses count toward the fulfillment of graduation requirements. Neither credit (CR) nor no credit (NC) grades affect the student's grade point average. Once

the petition for either grade or credit/no credit basis has been filed in the Registrar's Office, it may not be rescinded or changed after the last day to withdraw from a course.

Students may be graded on this basis for not more than 20% of their total semester hours at Loyola Marymount. Students wishing to be graded on this basis must file the appropriate petition in the Office of the Registrar by the published date in the Schedule of Classes.

In the case of courses that are graded on a Credit/No Credit basis, the student may petition the instructor for a letter grade with the approval of the Dean, before the end of the third week of the semester.

In order for a student to receive a grade of Credit, the work must be of C (2.0) or better.

## Cross Listed Courses

A cross listed course is one that carries credit in more than one department. Once the student has completed enrollment in such a course, the department symbol may be changed only with the approval of the student's Dean. The change must be made within the semester in which the course is taken.

## Diploma

Diplomas are granted to graduate students who have completed all graduation requirements and who have no outstanding financial obligations to the University. Diplomas left unclaimed are destroyed after three years. Students must re-order destroyed diplomas.

## Double Credit

A student may not count the same course to meet the requirements for both an undergraduate and graduate degree.

## Final Examinations

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

## Full Time Standing

Any undergraduate student carrying 12 or more semester hours is considered a full-time student. Students carrying less than 12 semester hours are classified as part-time students. This applies to the academic standing. Please refer to the Financial Aid full-time/part-time standing.

---

## Grades

Final grades are issued by the Registrar at the end of each term.

## Grade Appeals

It is understood that, except in rare instances, only the instructor, with the Department Chair and Dean's approval, may change the final grade through the Registrar's Office. 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 with the instructor to review the reasons for the grade.
2. If the instructor is not available for discussion or if discussion fails to resolve the problem, the student may ask the appropriate department chairperson to meet with both the instructor and the student. 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, he will automatically refer the student to the Dean.
3. The student who appeals beyond the department level must file a written appeal to the appropriate Dean.

The Dean, upon receipt of the written appeal, will bring all parties together in an attempt to resolve the matter by mutual agreement. If agreement cannot be reached at this meeting, the Dean may appoint a committee of three disinterested 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.

## 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. No grade changes will be made after the fourth week of instruction of the next full term.

A student's permanent record reflects the one 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.

---

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

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.

## Grading System

The following grading system is used in the undergraduate and graduate colleges:

<b>A</b>	Superior
<b>A-</b>	Outstanding
<b>B+</b>	Very good
<b>B</b>	Good
<b>B-</b>	Better than average
<b>C+</b>	Above average
<b>C</b>	Average
<b>C-</b>	*Below average
<b>D</b>	Poor
<b>F</b>	Failure
<b>CR</b>	Credit — Equivalent to grade of C or higher
<b>NC</b>	No Credit — Equivalent to grade of C- or lower
<b>NG</b>	Non-graded course
<b>AU</b>	Audit
<b>I</b>	Work incomplete
<b>IP</b>	Work in progress
<b>W</b>	Official withdrawal from course.

\*A "C-" grade is not a passing grade in courses requiring a minimum grade of "C".

The withdrawal must be submitted to the Registrar's Office by the published withdrawal date. Failure to withdraw officially from a course will result in a grade of F (See Withdrawal).

## Mid-Term Deficiencies

The Registrar's Office mails mid-term deficiency notices to students informing them of unsatisfactory work as submitted by instructors. The notices, advisory in nature and issued prior to the last day to withdraw in a term, are not part of the student's permanent academic record.

## Graduation Rate

The completion or graduation rate by August 1999 for students who entered Loyola Marymount University in Fall 1995 on a full-time basis was 70%.

## Incomplete Course Work

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

Normally the student obtains from the Office of the Registrar a "Petition to Receive a Grade of Incomplete" form. The form is filled out by the student and given to the instructor who then completes the form by assigning a default grade which will be entered on the student's record if the student does not complete the coursework by the deadline.

An incomplete grade not removed by the deadline, which is three weeks after the first scheduled class day of the next semester, will result in the assignment of the default grade as submitted by the instructor. If no default form or grade was submitted, the incomplete grade will be converted to an F by the Registrar's Office.

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

A grade of incomplete will not be changed after a degree has been awarded or a credential recommended.

## Independent Studies

A program for the educational enrichment of the student particularly qualified for the kind of experiences which 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. Only full-time matriculated students are eligible, and approval will be given for only one Independent Studies course per semester. Freshmen and first-semester transfer students are not eligible.

Arrangements to undertake an Independent Studies course must be completed during the semester prior to the one in which the student expects to enroll in the course. 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.

## Leave of Absence

A leave of absence may be granted to a student upon written request to the Office of the Registrar. A leave of absence may be granted for no more than two years.

For a student enrolled in a current term, application for the leave must be made before the stated deadline for withdrawal from classes. This date may be found in the

academic calendar in the University Bulletin or the Schedule of Classes for the given term. A leave of absence may be granted only if the student withdraws from all courses in the term. If completed by the deadline, a student will receive grades of W for all courses in that given semester. A student may not take a leave of absence from the term if application is made after the stated deadline for withdrawal from classes. Any student who stops attendance after the deadline to withdraw from classes will receive a grade of F for each course in progress.

A student who is accepted to the University but not yet enrolled may defer admission through the Admissions Office. A student with prior enrollment may apply for a leave through the Registrar's Office. A leave of absence is canceled if the student registers in another college or university without prior written permission of the student's Dean. In this case, the student has de facto withdrawn (see Withdrawal) from LMU and must reapply through the Admissions Office. The student may enroll again at LMU if accepted through the Admissions Office. Similarly, a student is considered to have withdrawn from LMU if the leave of absence is extended unofficially beyond two years.

## Major

A major indicates a particular curriculum within a degree program offered by one of the four undergraduate colleges. The major is usually declared by the student at the time of acceptance to the University. If a student is unsure about a particular program of study within a degree program, some colleges will allow for an undeclared major within that college. This option is at the discretion of the College. A student must, under normal circumstances, declare a major within a degree program prior to earning sixty semester hours of credit.

A student must have a cumulative grade point average of C (2.0) in all courses required by the major. Please note that certain majors have more stringent requirements. The particular requirements are listed under the department listings in this Bulletin.

## Change of Major

A student wishing to change from one major to another in the same college must present to the Registrar's Office a Change of Major petition approved and signed by the Chairpersons of the involved major departments and the Dean of the College. If the change involves another college, approval of the accepting college must be secured first. A student is subject to the major and degree requirements of the new program and responsible for making up any deficiencies under direction of the Dean. Changes of major should be processed prior to registration for the subsequent term.

## Double Major

A student may earn a Bachelor's degree with a double (secondary) major by successfully completing the following requirements for the second major prior to, or in the same term as, the first (primary) major:

1. Completion of the requirements of the primary major; and
2. Completion of the requirements of the secondary major; and
3. Completion of requirements for the primary Bachelor's degree.

No more than eight semester hours of upper division work in the primary major can be used to satisfy the requirements of the secondary major. The two majors will be printed on the student's transcript of record and University diploma.

## Minor

Students who choose to complete a minor must meet the following general requirements:

1. At least half of the upper division semester hours of the minor program must be completed in residence at Loyola Marymount. Also, at least two-thirds of the semester hours must be in upper division level coursework.
2. Specific semester hour requirements are listed by each department offering a minor program.
3. A student must have a cumulative grade point average of C (2.0) for courses taken in the minor program.
4. The minor may not be in the same field as the student's major.
5. Courses may not count as fulfilling both a major and minor program, unless a specific course is required by both programs.
6. A minor may be earned only while the student is concurrently completing the requirements for a baccalaureate degree. The minor must be cleared by the Dean's office at the same time that the baccalaureate degree is cleared.
7. Students are advised to consult department regulations in the Bulletin for further information.

## Privacy Rights of Students in Education Records

*The Federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R. 99) and California Education Code Section 67100 et seq., set out requirements designed to protect the*

privacy of students concerning their education records maintained by LMU.

Specifically, the statute and regulations govern access to student records maintained by the campus and the release of such records. In brief, the law dictates that LMU provide students access to records directly related to the student and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading or otherwise inappropriate. The right to a hearing under the law does not include any right to challenge the appropriateness of a grade as determined by the instructor. The law generally requires that written consent of the student be received before releasing personally identifiable data about the student from records to other than a specified list of exceptions.

Among the types of information included in the campus statement of policies and procedures are: 1) the types of student records and the information contained therein, 2) the official responsible for the maintenance of each type of record, 3) the location of access lists that indicate persons requesting or receiving information from the record, 4) policies for reviewing and expunging records, 5) the access rights of students, 6) the procedures for challenging the content of student records, 7) the cost that is charged for reproducing copies of records, and 8) the right of the student to file a complaint with the Department of Education.

An office and review board have been established by the department to investigate and adjudicate violations and complaints. The office designated for this purpose is the Family Educational Rights and Privacy Act Office (FERPA), U.S. Department of Education, 330 C Street, Room 4511, Washington, D.C. 20202.

LMU is authorized under the Act to release public "directory information" concerning students. "Directory information" includes the student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student.

The above designated information is subject to release by LMU at any time unless it has received prior written objection from the student. Written objections should be sent to the Office of the Registrar.

LMU is authorized to provide access to student records to campus officials and employees who have legitimate educational interests in such access. These persons have responsibilities in connection with the campus' academic, administrative or service functions and who have reason for using student records connected with their campus or other related academic responsibilities.

## Registration

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

## Repeating Courses

Students may repeat a course previously taken at LMU in a subsequent term at LMU and request the exclusion of the prior occurrence from the cumulative grade point average. All units attempted are used to determine the student's grade point average and graduation eligibility unless the student repeats the course at LMU and requests the new grade be substituted for the original grade. The grade of the latest occurrence of the repeated course will be the one calculated into the cumulative average. Please note that although the term GPA will change accordingly, the academic status of the term will not change. Courses taken on a credit/no credit basis may not be used as a repeat course to exclude from the cumulative average a grade of a prior occurrence taken on a letter grade basis. Students may not register for any business course for a third time without the written permission of the Department Chairperson of the course and the Dean. Questions concerning this policy should be directed to the Office of the Registrar.

## Transcripts

Official transcripts of courses taken at the University are issued only with the written permission of the student concerned. Partial transcripts are not issued.

Transcripts show all Loyola Marymount University work completed as of the date of application for the transcript. Work in progress accompanies 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.

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 or copied for distribution. Students desiring transcripts covering work attempted elsewhere should request them from the appropriate institutions.

## Transfer Credit

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 and community college transfer maximums. Courses with grades below C (2.0) do not transfer. A maximum of 60 semester hours from a community college and 90 hours from a four-year institution is transferable to the degree program of the University. In order for work from foreign institutions to be considered for transfer credit, that institution must be recognized by the Ministry of Education of that country.

Any student regularly enrolled as a degree candidate who elects to take courses at a college or university other than Loyola Marymount University must obtain written approval of the chairperson of the major department and the Dean prior to enrollment in such courses. Courses taken without this approval may not be counted toward the degree. Approved courses must be passed with a grade of C (2.0) or higher in order to transfer. Semester hour value is granted to transfer courses; grades or GPA information on transfer work is neither listed on, nor calculated in, LMU work printed on the academic record.

All transfer courses must be taken at an accredited college or university. Transfer work taken at a foreign college or university may be used toward degree work if the institution is recognized by the Ministry of Education in the country where the institution is located.

Transcripts from non-U.S. institutions must be submitted to an LMU-approved credentials-evaluating agency for translation into English and/or for evaluation of U.S. equivalent course work and corresponding grade.

It is the responsibility of the student to submit all foreign transcripts to an evaluating agency. Information on such agencies may be obtained by calling the Office of Admissions.

Foreign transcripts submitted without appropriate evaluations will not be considered for eligible transfer work to LMU.

## Tutorials

Tutorial courses are regularly offered courses described in this Bulletin which students take on an individually arranged basis with a faculty member. Such arrangements are permitted in exceptional circumstances when a student's program requires a course which is not scheduled in a given semester. 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.

## Upper Division Courses

These courses are the offerings in the 300, 400 and 500 numbered range and are meant to be taken by students with at least 60 units. Freshmen and sophomores are not eligible for these courses except with the written permission of the Dean of the college in which the course is offered.

## Withdrawal

### Withdrawal from Courses

A student may withdraw from any or all courses prior to the last day to withdraw in a term as published in the University Bulletin and Schedule of Classes. A currently enrolled student may withdraw from a course(s) by using the drop function in the telephone registration system (ROAR).

Prior to the deadline, an undergraduate student is allowed to drop all but one course using ROAR. In order to completely withdraw from a term or the University, this student must contact the Office of the Registrar.

Prior to the deadline, a graduate student may drop all courses using ROAR and withdraw either from the term or the University. When successfully completed, the student will receive grades of W in each of the courses and will be considered to be on a leave of absence for up to two years unless the student gives written notice to the Registrar's Office that he/she is withdrawing from the University.

### Withdrawal from the University

A withdrawal from the University is the termination of the academic program and course of study and the rights and privileges offered to currently enrolled students. (See above.)



# Academic Programs and Services

## Programs

---

### Honors

Director: James M. Landry

As a means of creatively challenging the potential of the outstanding student and thereby contributing to the intellectual life of the entire academic community, the University adopted the Honors Program in 1958. By constant experimentation and periodic revision, the program attempts to keep true to its original intent of providing intellectual adventure.

The program is interdepartmental and does not involve a separate faculty. It relies on the interest and generosity of the entire University faculty, and on the enthusiasm of the truly exceptional students, to become mutually involved in an intellectual experience. Not being a separate unit apart from the rest of the University community, the Honors faculty and students thus share with the rest of the school the stimulation of their special academic experience.

Taking advantage of its freedom from some of the restrictions involved in the structure of regular courses, the Honors Program attempts to challenge as well as to inform, to ask hard questions as well as to examine tested solutions. Its goal is to provide a carefully integrated and demanding curriculum for the exceptional student.

The Honors Program is open to students from all the colleges of Loyola Marymount. The Program is administered by the Honors Director. Faculty members from all disciplines at Loyola Marymount are invited to participate.

The Honors core curriculum combines three interdisciplinary Honors core courses with an intensive year-long course in writing and critical thinking, and a year-long sequence in the history of western civilization. Students take the remaining core in the University at large, returning to Honors for an interdisciplinary seminar in the junior year. The program culminates in the writing of an Honors Thesis on a topic within the student's major. The material is presented orally within an honors seminar program and submitted for publication as a bound thesis.

Each fall the Honors Program carefully selects a limited number of incoming freshmen to join the Program. In addition, any freshman or first-semester sophomore may apply personally to the Director for admission to the Program.

### Individualized Study Program

Director: College Dean

The Individualized Study Program involves a select number of creative and highly motivated students within all colleges 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. Once accepted into the program by the Dean of the student's college, 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 the major or area of concentration.

### Preparation for a Career in Law

Director: Peter Hoffman

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 Prelaw Advisor. The Prelaw Advisor also serves as a resource person for students during the law school application process and for students interested in the Loyola Law School early admission program.

### Preparation for the Health Professions

Director: Anthony Smulders, CFMM

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 Qualifications Committee.

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. 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: English (6 sem. hrs.), BIOL 101, 102, 111, 112, 201, 202; MATH 122, 123; PSYC 100; CHEM 110, 111, 112, 113, 220, 221, 222, 223; PHYS 253, 254. In addition, other specified upper division biology courses and electives from Liberal Arts, Fine Arts and the Sciences may be required.

## ROTC Programs

Director: Edward D. Phelan, USAF

Loyola Marymount offers its own program of instruction designed to prepare students for commissioning as second lieutenants in the United States Air Force. Additional information can be found under Aerospace Studies in this Bulletin.

## Services

Center for Pastoral Life

Director: Sr. Judith Vallimont, S.Sp.S.

The Center for Pastoral Life links the rich theological tradition of Christianity with the practical needs of the local communities and churches. Using an interdisciplinary approach towards how Christianity engages the world of family, work, politics, society, economics and culture, the Center achieves its goal in the training of lay leaders for the Church. Open to all seeking specialized pastoral skills to enhance their ability to serve in our multicultural communities, its programs provide participants a holistic approach to theology, spirituality, and ministry. A number of the programs culminate in a University certificate of professional development. The Center offers programs throughout the year.

## Disability Support Services

The Disability Support Services (DSS) Office provides specialized assistance and resources that enable students with documented physical, learning, and/or psychological disabilities to achieve maximum independence while they

pursue their educational goals. Staff specialists constantly interact with all areas of the University to eliminate physical and attitudinal barriers.

Students with a temporary or permanent disability that could affect their academics may be eligible for a variety of services. To be eligible you must provide documentation of your disability from an appropriate licensed professional. Please contact the DSS office at (310) 338-4535 to request a form to assist you in providing complete documentation and/or if you require further information.

## The Learning Resource Center

Director: Marcia L. Albert

The Learning Resource Center, which is located on the upper level of Von der Ahe Library, is a place where LMU students can enlist the help of specialists and tutors to enhance the learning process. Every LMU student is invited to make use of the LRC's free services and workshops. The Center's full-time specialists in writing, mathematics, and learning skills, as well as its peer tutoring staff, are ready to work with students to encourage those essential learning skills which bring greater academic and personal success. In addition, the Center offers one hour, appointment-based tutoring in over 200 specific LMU courses. For additional information on LRC services, please call (310) 338-2847.

## Orientation

Director: Lisa Piumetti Farland

The Orientation Program welcomes new students to the Loyola Marymount academic community. During Orientation, students are introduced to the academic programs of the University, meet with faculty for individual academic advisement, and are assisted in registering for courses. Students become familiar with all of the services, activities, and resources available to them. Throughout the Orientation Program, students interact in small "O" groups, led by students who attend LMU. Since Orientation provides a useful introduction to the people, programs, and opportunities LMU offers, all new students are required to participate in the program. For additional information, please contact the Director of Orientation in the Admissions Office at (310) 338-2750.

## University Libraries

Librarian: G. Edward Evans

The Charles Von der Ahe Library, named for its principal donor, was constructed in 1959 and doubled in size in 1977. It contains the collections of the University's Westchester campus which totals approximately 363,000 books and bound periodicals, 9,600 various media title, 101,000 microforms, and 3,000 current periodical subscriptions in paper format, and over 5,000 electronic periodical subscriptions. In addition to the Library's online catalog, LINUS, network access is also available to online index

databases such as FirstSearch™, EBSCOhost™, PROquest Direct™, and the University of California's online library catalog, MERVYL, and to CD-ROM databases such as the Catholic Periodical Literature Index™, ERIC™, and PsycLit™. The Library's Instruction Program offers classroom instruction in information literacy and database searching.

The Department of Archives and Special Collections houses collections of art, rare books, manuscripts 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 Boltenstern postcard collection which contains one million cards. The department also houses the Research Collection of the 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 Library's Media Reserve Services Department provides reserve materials for student classwork, as well as equipment and materials in various multi-media formats. Study carrels are equipped so that students can listen to audiocassettes, compact discs and LP's, and view videocassettes, laserdiscs, slides, filmstrips, and CD-ROMs. More information about the library may be found at <http://lib.lmu.edu>.

## Encore Program

Assistant Academic Vice President: Robert J. Kopecky

Encore is designed to assist the adult who has been away from education for some time and is just beginning college or is resuming an interrupted college education. Encore offers the opportunity to explore academic interests and talents via a balanced program of group and individual guidance and study.

Eligible to apply for the Encore Program are those who have completed high school and, normally, have *not* attended an educational institution for at least five (5) years prior to making application. Encore students enroll in regular courses for which they are qualified and participate in a weekly "Encore Seminar," a forum on the technicalities of being a college student and on the problems, experiences, achievements, joys and frustrations of reentry into the academic world.

## International Programs

Assistant Academic Vice President: Robert J. Kopecky

The University offers programs for study abroad for an entire academic year, for one semester only, or for the summer only. LMU sponsors several study abroad programs.

## New Europe Program

Important economic and political changes are taking place in Europe. LMU's New Europe Program, in Bonn, Germany, is conveniently located near vital European centers such as Brussels and the Hague.

In affiliation with the Academy for International Education, the New Europe Program offers both semester and full year opportunities.

A range of courses is available in business administration, liberal arts (including German and other European languages), and communication and fine arts, giving participants an opportunity to work toward their degrees in an academically diverse environment without losing a semester. Faculty come from U.S. institutions, German universities, and AIB. Enrollment in a German language course is mandatory for all students who participate in the Program. Students can register for one semester or a full year with a maximum of 17 units per semester.

Students with a minimum GPA of 2.8, who are in good standing at any college or university, are invited to apply for the fall, spring, or full academic year. Applications to the New Europe Program are available through the Office of International Programs. Students may register for 12 to 17 semester hours of credit during the fall or spring semester. Students receive semester hour credit on the LMU transcripts for courses taken at the New Europe Program.

The Program's cost includes tuition, housing, breakfast and dinner, public transportation in Bonn, several cultural activities, excursions and site visits. There is an additional fee for dormitory apartments. The cost of the program is comparable to the cost for a full-time student in residence at LMU. Not included are round-trip airfare, ground transportation in the U.S. and Germany prior to and after the official program schedule, textbooks and other personal expenses.

Most, if not all LMU financial aid packages, can be applied to the New Europe Program; LMU tuition payment plans are applicable. For complete information, consult the Financial Aid Office.

## The Jesuit China Program

The Beijing Center for Language and Culture was developed from a collaborative effort by a consortium comprised of a group of Jesuit universities and colleges and the Jesuit Conference of East Asia/Oceania. The Beijing Center offers a unique mix of study and first-hand experience and helps students develop a comprehensive picture of the people, history and culture of China. The program not only offers various courses in intensive language, culture, business, and mass media, but also provides academically adventurous trips for students to see parts of China up close, for instance, the ancient trading routes - the Silk Road, the Old Tea Caravan, Xian, the Grand Canal, and much more.

Students do not need to know Chinese prior to participating in the program. All courses except advanced Chinese are taught in English. Professors are drawn from Peking and People Universities and other top Chinese institutions.

If you are interested in having an extraordinary semester and want to find out more, please come to or call the Study Abroad Office at 800-638-7426 or 310-338-1973, or visit the program web site, [www.thebeijingcenter.org](http://www.thebeijingcenter.org).

### Summer Abroad

Summer programs are offered at Bonn, Germany; Cuernavaca, Mexico; Dublin, Ireland; Ghana, Africa; Roatan Island, Honduras; Oxford, England; Paris, France; Rome, Italy; and Beijing, China. The Washinton Center in Washington D.C. also offers summer internship opportunities for students. These programs offer courses in language, culture, business administration, science, the arts, and humanities.

LMU is affiliated with programs in the following countries: Australia, Austria, China, France, Germany, Great Britain, Greece, Ireland, Italy, Japan, Korea, Spain, and Venezuela. The University has both formal and informal affiliations with programs sponsored by institutions or organizations around the world. LMU has formal student exchange programs with Kansai Gaidai University in Osaka, Japan; Sophia University in Tokyo, Japan; Sogang University in Seoul, Korea; Universidad de Deusto in San Sebastian, Spain; Ateneo de Manila; Iberoamericana Universidad in Mexico; and Fu Wen University in Taipei, Taiwan.

It is also possible for students to plan with their advisors individually tailored programs with non-affiliated institutions abroad.

All Study Abroad work done at an American institution must be done at an institution accredited as a degree-granting institution by one of the accrediting bodies recognized by the Commission on Recognition of Postsecondary Accreditation (CORPA). Foreign institutions must be recognized by that country's Ministry of Education. (See Transfer Credit on page 44.)

### Summer Session

Assistant Academic Vice President: Robert J. Kopecky

The Summer Session is open to Loyola Marymount students and to prospective students admitted to the University, to students from other colleges or universities and to members of the community. Academic standards and requirements that apply during the fall and spring terms are likewise maintained in the Summer Session. Summer enrollment does not constitute admission to the University.

Summer offerings generally are of two types:

1. Courses in the principal academic and professional preparation areas for all categories of undergraduate and graduate students.

2. Innovative and experimental courses in which students and professors explore new and unusual methods of study and content over a short term. Such courses carry credit and maintain the usual academic standards of the university.

Further information may be obtained by consulting the current Summer Session Bulletin, on the web at <http://www.summer.lmu.edu>, or by writing to the Summer Session Office.

### Continuing Education

Assistant Academic Vice President: Robert J. Kopecky

The Division of Continuing Education 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 hours represents 10 continuing education contact hours. The third type is personal enrichment programs covering a variety of activities that might include dance, martial arts, t'ai chi, or yoga, to name but a few.

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

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

Director: Demetrios Liappas

The Caloyeras Center for Modern Greek Studies provides students with an opportunity to study the culture of contemporary Greece. By means of courses in the language, literature and the arts of the Greece of today a doorway is opened to the past, which is thus given a fresh and compelling reality.

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* and *Modern Languages and Literatures*).

## Information Services

Information Services supports both academic and administrative computing for the University. The department, located in the lower level of the Hilton Center for Business, provides the following services:

Information Technology Handbook

The *Handbook of Information Technology at Loyola Marymount University* includes general information about services, policies and procedures about Information Services and information technology services offered by the library. The document is available via the web at:

<http://www.lmu.edu/admin/is/ithandbook/ithandbook.htm>

## Help Desk

The Help Desk is located in the basement of the Hilton Business Center and is open from 8:00am to 5:00pm Monday through Friday. The Help Desk provides support for LMU-Net applications on University computers. Information Services is unable to support applications that are not on the network or for non-University-owned equipment. The Help Desk also receives and processes applications for network access.

### Users may contact the Help Desk via the following methods:

PHONE: x87777 (on campus); (310) 338-7777 (off campus)

FAX: (310) 338-7717. When sending a fax to the Help Desk, please put "Attention Help Desk" on top of the document.

Internet e-mail: [helpdesk@lmumail.lmu.edu](mailto:helpdesk@lmumail.lmu.edu)

## Purchase of Equipment and Software

Information Services provides purchasing of equipment for departmental use. Requests for pricing information should be submitted via e-mail to [products@lmumail.lmu.edu](mailto:products@lmumail.lmu.edu).

The IS Purchasing Department is located in the basement of the Hilton Business Center. The hours of operation are: Monday-Thursday 9:00am to 12:00pm and 1:00pm to 3:00pm, and Friday 9:00am to 12:00pm.

The purchasing department is available via telephone at (310) 338-7523. Only University-supported products may be purchased through Information Services. The purchasing office staff is unable to research prices and/or availability for non-standard equipment. A limited selection of computer supplies is available from the LMU Bookstore.

## Network Accounts

LMU faculty, staff, and students are eligible for an LMU-Net account. An application may be obtained and submitted at the Information Services Help Desk. All users of the LMU-Net are issued password-protected network and e-mail accounts. Access to LMU e-mail is available via any full service Internet Service Provider (ISP).

## Computer Labs

Information Services maintains three computer labs for students' use. The St. Roberts Computer Lab, located in the St. Roberts basement, and the Von der Ahe Library, located in the library basement, are PC labs currently running Windows 95. The Seaver Macintosh Lab on the second floor of Seaver is currently running Macintosh OS 8.1. Users may contact the Coordinator for the Student Labs at X84489 for more information.

There are other computer labs available on campus. Most of these labs are designed to meet specific departmental academic functions. Users may contact the Academic Computing Manager at X87537 for more information about these labs.

---

# Academic Awards and Commencement Honors

## Honors at Commencement

To be eligible for scholastic honors at commencement a student must have completed at least 60 semester hours toward the baccalaureate degree on a graded basis (Credit/No Credit grades do not apply) at Loyola Marymount. Honors at commencement are determined by the cumulative grade point average on LMU work only. 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

These honors are entered on the transcript and are inscribed on the diploma.

## Dean's List

A Dean's List, comprised of full time matriculated undergraduate students, is published at the end of the fall and spring semesters. To be eligible for the Dean's list students must have completed 15 semester hours at LMU and received letter grades in at least 12 semester hours with a cumulative term grade point average of 3.50 or better. To qualify for the Dean's List, one must have completed all courses and not received a grade of F in any course.

## Jesuit Honor Society

Alpha Sigma Nu is a national honor society for men and women. 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 are selected for membership each year. The society offers its services to the University, particularly in an effort to stimulate intellectual interest and accomplishment.

## University Academic Awards

### 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 Services.

### Presidential Citations

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

## College and Departmental Awards

### The College Scholar Awards

Presented to the top graduating senior who has achieved the highest academic record in each of the four undergraduate colleges.

### 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

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 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. Award

Presented in honor of Sister Regina Buchholz, S.C.R.H., Professor Emerita 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.

---

**The Stanley Chan 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 Professional Fraternity Award**

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

**The Dockweiler Gold Medal**

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 scholarship, participation in student activities, and promise of future success in his chosen profession, shall have been judged deserving of special recognition.

**The Ruth L. Dumont Memorial Award**

The gift of the Ruth L. Dumont Memorial endowment for outstanding achievement in the field of Theology.

**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 professors emeriti of the School of Education Department, the award recognizes distinction in student teaching, superior scholastic achievement, and service to others.

**The 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 Greek Studies, ancient or modern.

**The Carl G. Kadner Award**

Presented to the graduating senior who has achieved academic excellence, exhibited strong leadership, and provided dedicated service to the Biology Department.

**The Jerome J. Korth Award**

Presented to the graduating senior in the College of Science and Engineering with the highest grade point average in the University's Core Curriculum.

**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.

**Dr. Thomas D. Pitts 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.

**The Alan Seydoux Memorial 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.

**The Mary Tsassis Award in European History**

Presented by the Basil P. Caloyeras Center for Modern Greek Studies to the graduating senior who has demonstrated excellence in European History.

**The Wall Street Journal Student Achievement Awards**

The gift of Dow, Jones and Company, publishers of the *Wall Street Journal*, to be given to the senior who ranks highest in Finance and in Economics.

**Special Awards****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.

**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.

**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.

**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 their 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, RSHM Service and Leadership Award for Seniors**

Presented to ten 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 challenge 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.

**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.

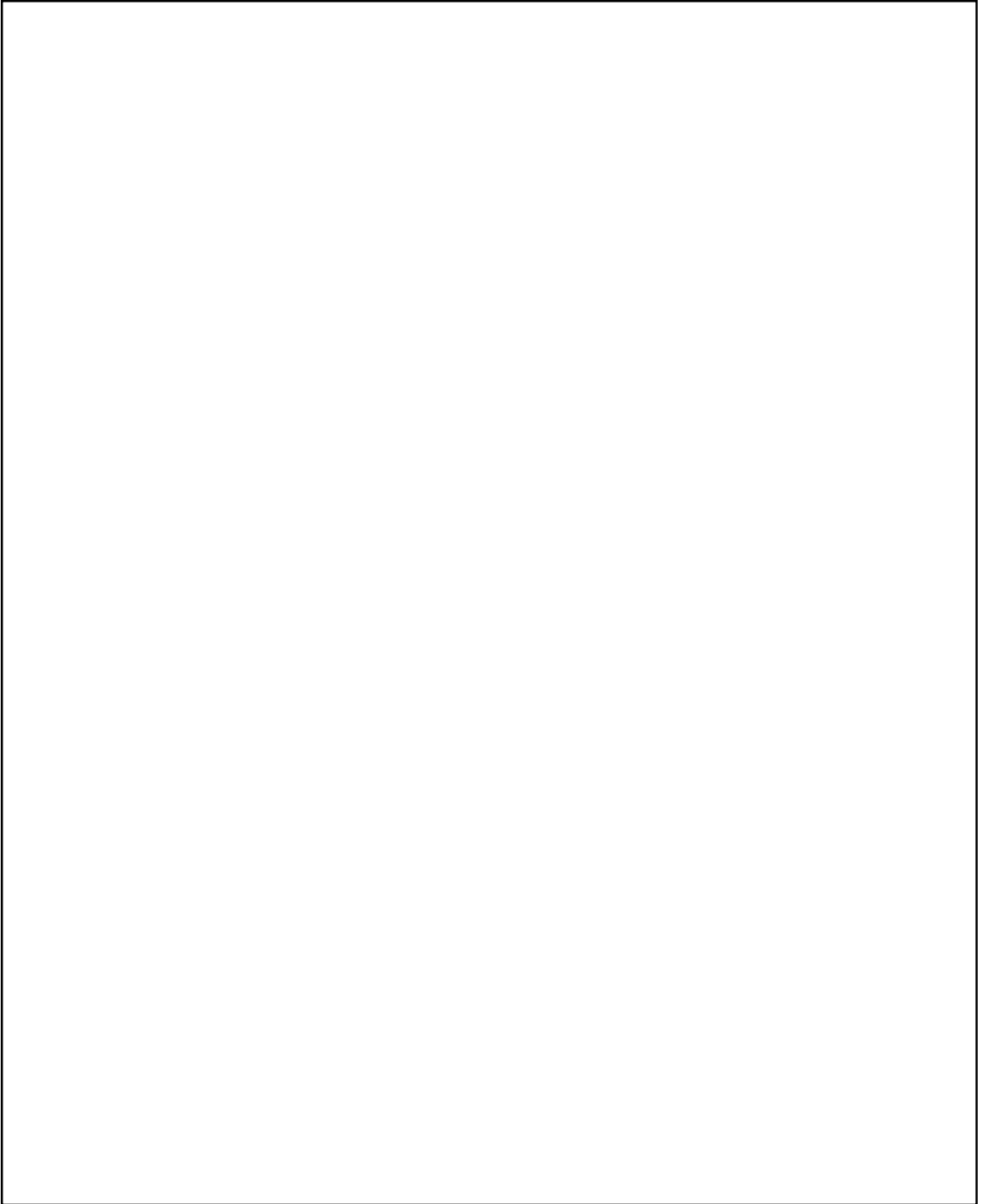
---





---

# **Bellarmino College of Liberal Arts**



# Bellarmino College of Liberal Arts

## Administration

Dean: Kenyon S. Chan  
Associate Dean: Ricardo A. Machón

## Objectives of the College

The Bellarmine College of Liberal Arts embodies the wider University goals of liberal education and commitment to Roman Catholicism and the Judaeo-Christian tradition. Its courses, therefore, are at the heart of the University's core curriculum for all undergraduates.

The College's programs in the humanities and social sciences provide the cultural background and intellectual discipline characteristic of the liberally educated. In addition to a shared concern for ethical values, these programs develop the skills of communication, analysis and problem-solving universally required to function well in today's diverse and inter-connected world.

The College offers undergraduate majors and/or minors in the following fields of learning:

African American Studies .....	AFAM
Alcohol/Drug Studies .....	ALDR
Archaeology .....	ARCH
Asian Pacific American Studies .....	APAM
Asian and Pacific Studies .....	ASPA
Chicano Studies .....	CHST
Classical Civilizations .....	CLCV
Classics .....	CLAS
Economics .....	ECON
English .....	ENGL
European Studies .....	EURO
French .....	FREN
German .....	GRMN
Greek .....	GREK
History .....	HIST
Humanities .....	HMNT
Individualized Studies .....	ISLA
Italian .....	ITAL

Irish Studies .....	IRST
Latin .....	LATN
Liberal Studies (Elementary Education) .....	LBST
Modern Greek .....	MDGK
Peace Studies .....	PCST
Philosophy .....	PHIL
Political Science .....	POLS
Psychology .....	PSYC
Sociology .....	SOCL
Spanish .....	SPAN
Theology .....	THST
Urban Studies .....	URBN
Women's Studies .....	WNST

Graduate programs are also offered in the departments of English, Philosophy, Psychology and Theological Studies. For further information, consult the Graduate Bulletin.

## 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.

## College Curriculum

The liberal arts are those disciplines which liberate human beings from narrow presuppositions about what it is to be human; they open the inquiring mind to the many avenues taken by our predecessors and our contemporaries to communicate their vision of how best to understand and to live human life. It is this understanding of liberal education which provides the organizing motif of the curriculum of all students in the Bellarmine College of Liberal Arts.

Each student's course of study is divided into three components. Educational breadth is provided through the University core curriculum, coursework which embodies Loyola Marymount's educational mission and vision and which is taken throughout the four-year program. Secondly, each student selects a major field of concentration from the above list, in order to develop a depth of understanding of one of the humanities or social sciences; this coursework can be

begun in the second year, but is largely taken in the junior and senior years. Finally, up to one third of the Liberal Arts student's program is elective. This provides opportunity for exploring fields of study complementary to the major or for developing additional expertise in a minor or second major.

---

## **Core Curriculum for the Baccalaureate Degree in the Bellarmine College of Liberal Arts**

---

### **American Cultures**

*3 Semester Hours*

Course Selection:

First and second year students choose from any lower division course listed or cross-listed as AMCS. Third and fourth year students choose from any upper division course listed or cross-listed as AMCS. A single course will generally not fulfill two core requirements. The only exception is a course that satisfies another core requirement which is also cross-listed as AMCS.

---

### **College Writing**

*3 Semester Hours*

Course Selection:

ENGL 110 or, if necessary, ENGL 112 will fulfill the college writing requirement. ENGL 100 will not fulfill the college writing requirement, but is required of certain students based on their performance in the essay written in all ENGL110 sections during the first week of classes. A minimum grade of C (2.0) is required in ENGL 110. All students who receive a grade of C- (1.7) or lower must enroll in ENGL 112 as soon as possible. Those students who wish may retake ENGL 110 to raise their grades, but only after they have successfully completed ENGL 112.

Choose: ENGL 110

---

### **Communication or Critical Thinking**

*3 Semester Hours*

Course Selection:

Communication: Choose from CMST 100, 110, 130 or 140.

or

Critical Thinking: Choose from CMST 206, PHIL 220.

---

### **Critical and Creative Arts**

*6 Semester Hours*

Course Selection:

This requirement is satisfied by taking one course from Critical Arts and one course from Creative Arts.

Critical Arts: Choose from ANIM 100; ARHS 200, 201, 202, 321, 340, 345; DANC 281, 381; FILM 210, 314, 315; INDA 100; MUSC 102, 104, 303, 365; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349 or 430.

Creative Arts: Choose from ANIM 120; ART 150, 151, 153, 278, 280, 350; DANC 163; ENGL 205, 311(Prerequisite 201), 312 (Prerequisite 202); FILM 260; MUSC 105, 106; SCWR 220; or THEA 110.

---

### **History**

*6 Semester Hours*

Course Selection:

This requirement is satisfied by taking one course from Western Civilization and one course from Contemporary Societies.

Western Civilization: Choose from HIST 100 or 101.

Contemporary Societies: Choose from HIST 152, 162, 172, 182 or 192.

---

### **Literature**

*3 Semester Hours*

Course Selection:

Prerequisite: Successful completion of college writing requirement.

Choose from CLAS 200, 210, 220; ENGL 130, 140, 150, 170; FNLT 180; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349 or 430.

---

### **Mathematics, Science and Technology**

*6 Semester Hours*

Course Selection:

Prerequisite: Demonstration of proficiency in mathematics by success in MATH 100.

All students except those majoring in economics, liberal studies or psychology take MATH 100 and one other course in science or engineering. The MATH 100 course is designed to allow students to attain a level of mathematical literacy which will enable them to deal with the types of mathematical questions that they will encounter on a regular basis after they graduate. The course in science or engineering introduces the student to the methodology used in that field of science or engineering. These courses include

---

laboratories and/or demonstrations providing the student with hands-on experience.

Courses ordinarily recommended to students majoring outside the College of Science and Engineering are those numbered 260-279 in each department within the College. Courses in this series are specifically designed for the non-major.

Choose from BIOL 260, 261, 262, 263, 264, 265, 271, 272, 275, 276; CHEM 260, 261, 262, 263, 264; CMSI 261; ELEC 260, 265; MECH 260, 270, 275; NTLS 260, 270; PHYS 271, 272. All other lower division courses in the College of Science and Engineering also satisfy this requirement.

Only one mathematics course will be credited toward the Mathematics, Science and Technology component of the core.

---

## Philosophy

*6 Semester Hours*

Course Selection:

Lower Division:

Choose PHIL 160. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

Upper Division:

Choose either PHIL 320 or 330.

---

## Social Sciences

*6 Semester Hours*

Course Selection:

1. Select two courses from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105. Courses must be from different departments.
2. Select one course from: AFAM 115; APAM 117; CHST 116 or WNST 100 and one course from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105.
3. Select two courses from the same department. The first is selected from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105. The second course in the same department is selected from upper division courses that the student is qualified to take.

---

## Theological Studies

*6 Semester Hours*

Course Selection:

Lower Division:

Choose from the 100 level series of THST courses. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

Upper Division:

Choose from the 300 level series of THST courses only.

Note: International/Global Studies

The current core curriculum includes many courses dealing with international and global studies. All students are required to complete History 100 or 101 which deal with European culture. In addition, it is recommended that students take additional core courses which include the study of European cultures such as: ARHS 200, 201, 202; CLAS 200, 210, 220; DANC 281; FILM 314; FNLT 180; GEOG 100; MUSC 102; POLS 155; SOCL 105; THEA 240, 245, 331, 336, 341; THST 320, 322, 331.

To further augment the understanding of world cultures, it is recommended that students also choose at least one core course that includes the study of Africa, Asia, the Pacific, or Latin/Indigenous America. These core courses include: ARHS 321; DANC 381; HIST 152, 172, 182, 192; MUSC 303, 365; THEA 348; THST 180, 361, 382, 383, 384, 385.

---

## Recommendations:

Students are encouraged to enrich their program of study with selected electives from the following areas. Consult the bulletin for specific offerings.

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, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, Spanish and Tagalog 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: a) a maximum of 30 upper division semester hours in any one department will be accepted toward the 120 semester hours requirement; and b) at least 45 sem. hrs. are required from upper division offerings.

A maximum of 36 semester hours will be accepted from the following departments: Art, Dance, Music and Theatre Arts. No more than 9 semester hours in any one of these departments will be accepted toward degree requirements.

Liberal Arts students with a double major or a minor in one of the above departments will be allowed to exceed the 36/9 semester hour limit in order to complete their programs. However, only those units that are applicable to the double major or minor will be accepted toward graduation requirements.

Students should consult the Dean's Office for specific policies applicable to the Bellarmine College of Liberal Arts.

---

# African American Studies

## Faculty:

Chairperson: John A. Davis  
Associate Professors: John A. Davis, John Reilly  
Assistant Professors: Antonio Brown, Dianne D. Glave.

## Objectives:

African American Studies is an interdisciplinary program that is designed to enhance student understanding of the contributions of African Americans to the American experience as well as world culture. This program intends to aid students in gaining critical reading, writing and thinking skills, as well as being an excellent preparation for graduate study in African American Studies, Sociology, History, professional school and a variety of other employment opportunities.

## Major Requirements:

Lower Division:

AFAM 115

AFAM 150

AFAM 155

One course in research methods chosen from the following:

AFAM 208

POLS 210

SOCL 208

Upper Division:

24 semester hours in upper division courses which must include AFAM 335 or SOCL 335. AFAM 335 should be taken in the first semester of the junior or senior year. AFAM 497 should be taken in the senior year. The remaining 21 hours are to be chosen from the ten focus areas in which the upper division courses in African American Studies are grouped: I) Sociology, II) History, III) Literature/English, IV) Cultural Arts, V) Political Science, VI) Philosophy, VII) Economics, VIII) Urban Studies, IX) Senior Seminar. An average grade of C(2.0) must be obtained in courses included in the major.

## I Sociology

AFAM 301	Black Family Life
AFAM 435	Sex, Race and Violence
AFAM 335	Sociology of the Black Community
AFAM 471	Violence in the Black Community
SOCL 334	Race and Ethnic Relations*
SOCL 485	African American Social Thought*
SOCL 487	Directed Research in Black Community*

## II History

AFAM 155	African American History
AFAM 373	Roots of Resistance
HIST 192	Contemporary Africa*
HIST 390	African Kingdom*
HIST 392	Colonial Africa 1860-1960*
HIST 491	South Africa*

## III Literature/English

AFAM 337	Black Arts Movements
AFAM 395	Black Drama
AFAM 396	Survey of African American Literature

## IV Cultural Arts

AFAM 150	Cultural Arts
AFAM 333	Black Images in White Mind
AFAM 368	Survey of African American Music

## V Political Science

AFAM 485	Social and Political Thought
----------	------------------------------

## VI Philosophy

AFAM 325	African American Philosophy Thought
----------	-------------------------------------

## VII Economics

ECON 326	Econ Development Minority Communities*
----------	----------------------------------------

## VIII Urban Studies

URBN 365	Metropolitan L.A.*
----------	--------------------

## IX Senior Seminar

AFAM 497	Senior Seminar
----------	----------------

\*cross listed courses

## Minor Requirements:

18 semester hours including AFAM 115, 150 and 335 and six (6) semester hours in upper division courses. An average grade of C (2.0) must be obtained in the courses included in the minor.

## 115 Introduction to African American Studies

3 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.

**150 Black Cultural Arts***3 Semester Hours*

A study of Black American art forms, such as music, dance, theatre, film, painting, sculpture and literature, as they have developed in the African Diaspora from slavery to the modern age.

---

**155 African American History***3 Semester Hours*

An analysis of the historical forces which shaped the African American experience in America from past to present.

---

**198 Special Studies***1-3 Semester Hours***199 Independent Studies***1-3 Semester Hours***208 Social Research Methods***3 Semester Hours*

An introduction to scientific inquiry and research methods in the social sciences with special emphasis on African Americans.

---

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours***325 Black Philosophical Thought***3 Semester Hours*

This course studies the content and origin of African American philosophical thought, observing the roots of this tradition as developed in the writing, speech and movements of classical Africa. The course also seeks to define philosophy from an Afrocentric perspective noting the goals of such pursuit. The transformation and continuation of African American philosophy will be observed through the enslavement period to the present.

---

**333 Black Images in the White Mind***3 Semester Hours*

An examination of Black portrayals in television, films and other forms of mass media.

---

**335 Sociology of the Black Community***3 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.

---

**337 Black Arts Movement***3 Semester Hours*

A survey of the critical, fictional, poetic and dramatic writings of Black Americans in the 1920's-1930's and the 1960's-1970's.

---

**368 African American Music***3 Semester Hours*

A history and survey of African American music from its roots in pre-slavery West African music traditions to the popular forms in the present day. Work songs, Spirituals, Blues, Gospel, Rag Time, Swing, Cool Jazz, Bebop, R & B, Soul, Funk, Fusion, New Jack Swing, Hip Hop and Rap are among the topics covered. Participants will have opportunities to view live performances.

---

**373 Roots of Resistance***3 Semester Hours*

An examination of African resistance to oppression from the 15th century to present. The course will observe various forms of resistance such as slave uprisings, formation of maroon communities, organizational efforts, cultural resistance and other efforts to withstand oppression.

---

**395 Black Drama***3 Semester Hours*

A survey of dramatic literature written by African American playwrights from the 19th century to the current day. Representative playwrights include Garland Anderson, Theodore Ward, Langston Hughes, James Baldwin, Lorraine Hansberry, Gordone, Charles Fuller, Shange and August Wilson. Students will have opportunities to attend live

---



performances of African American drama in LA communities and to stage readings of selected works.

---

### **396 Survey of African American Literature**

*3 Semester Hours*

A study of the major themes in selected works of African American literature; examination of their social, historical, cultural and contemporary significance.

---

### **398 Special Studies**

*1-3 Semester Hours*

---

### **399 Independent Studies**

*1-3 Semester Hours*

---

### **435 Sex, Race and Violence**

*3 Semester Hours*

A survey of the themes of sex, race and violence in American literature.

---

### **485 Social and Political Thought**

*3 Semester Hours*

This course explores the thoughts of African American scholar/activists such as Martin Delaney, Ida B. Wells-Barnet, W.E.B. DuBois, Malcolm X, Martin Luther King Jr. and others. The material will be discussed in the context of specific historical moments and critiqued on how adaptive these approaches were in that moment.

---

### **498 Special Studies**

*1-3 Semester Hours*

---

### **499 Independent Studies**

*1-3 Semester Hours*

---

## **Cross-listed Courses**

---

### **192 Contemporary Africa**

*(See HIST 192)*

---

### **326 Economic Development of the Minority Communities**

*(See SOCL 334)*

---

### **384 Ethnopsychology**

*(See PSYC 384)*

---

### **390 African Kingdoms**

*(See HIST 390)*

---

### **392 Colonial Africa: 1860-1960**

*(See HIST 392)*

---

# Alcohol-Drug Studies

## Director:

Mary Catherine Fitzgerald

## Objectives:

The Interdisciplinary Alcohol/Drug Studies curriculum is designed to educate and prepare students for positions in the field. These positions may be found in a variety of community services, such as student and/or employee assistance programs, crisis intervention, information and referral court programs and legal services, detoxification centers, in-patient treatment, out-patient treatment, recovery homes, programs for underserved populations, agency administration and research and professional ethics applicable to these major areas.

The course of study focuses on alcohol but includes instruction about mood-changing drugs other than alcohol. It is community-based, academically oriented and provides on-site, supervised field experience at approved facilities. Students fulfilling course requirements will have a broad base of knowledge of the field and an in-depth understanding of one area.

## Requirements for Certificate or Minor:

Certificate: 21 units

Minor: 18 units

Non-matriculating students who wish to obtain the certificate may apply through the undergraduate Office of Admissions as non degree students. Alcohol/Drug Studies courses may also be taken as undergraduate electives, or as a minor. All students whether degree candidates or those seeking the certificate must have a personal interview with the Director of Alcohol/Drug Studies before registration. A minimum G.P.A. of 2.50 must be maintained. Students will have a maximum of one calendar year to complete field placement requirements.

---

### 201 Introduction and Overview of Alcohol, Tobacco and Other Drugs

*3 Semester Hours*

History of alcohol and other mood-altering drugs in the United States, the myths and stereotypes of alcohol use, the socio-cultural factors that contribute to drug use and the patterns and progressions of alcoholism and other drug dependency.

---

### 402 Ethical and Legal Standards of Care in Drug Counseling and Prevention

*3 Semester Hours*

This course reviews basic ethical and legal standards, state and federal, affecting the practice of drug counseling and prevention with adults and minors including the necessary interface with the judicial system and other government agencies such as Department of Children's Services and the Department of Mental Health.

Prerequisite: ALDR 201.

---

### 403 Prevention, Education and Early Intervention in Alcohol, Tobacco and Other Drugs

*3 Semester Hours*

A survey of the major theories and approaches to the education, prevention and early intervention of addiction to psychoactive substances. Relevant research, theory and trends in the field are reviewed. National and local examples of exemplary programs are presented as well as discussion of program evaluation strategies and techniques.

---

### 404 Psychopharmacology of Alcohol, Tobacco and Other Drugs

*3 Semester Hours*

Systematic review of all major psychoactive drugs from a neurochemical and psychopharmacological perspective of their effects on the central nervous system and major body organs.

Attention is given to understanding the implications of these processes on addiction and recovery.

Prerequisite: ALDR 201.

---

### 505 Family and Group Counseling

*3 Semester Hours*

Studies the theories of family co-dependence, motivating family involvement, techniques for multi-family groups. Addresses the purpose, function and strategies of different types of counseling groups.

Prerequisite: ALDR 201, 402, 403, 404.

---

---

**506 Counseling Skills and Case Management in the Treatment of Addiction**

*3 Semester Hours*

Training in basic individual counseling skills, intake, assessment, diagnosis, treatment planning, referral and other aspects of case management are reviewed with an emphasis on developing proficiency in the skills necessary for individual counseling and effective case management.

Prerequisite: ALDR 201, 402, 403, 404.

---

**507 Personal and Professional Growth and Field Placement**

*3 Semester Hours*

An in-depth look at the areas of counselor burnout, personal growth, professional growth (including career planning, training, education, time management), consultation and impaired counselor resources. On-site supervised education of 300 hours at approved facilities, including a weekly three-hour seminar class.

Prerequisites: ALDR 201, 404, 505 and 506.

---

**598 Special Studies**

*1-3 Semester Hours*

---

**599 Independent Studies**

*1-3 Semester Hours*

---

# American Cultures Studies

## Faculty:

Coordinator: Cheryl Grills

## Mission of American Cultures

Courses in American Cultures studies will enhance students' familiarity with and appreciation of several of the diverse cultural groups that comprise the multi-ethnic society of the United States. The in-depth, comparative and interdisciplinary study of the cultures, behaviors, experiences and inter-group relations of the following groups – African American, Asian/Pacific Islander American, Chicano/Latino American, European American and Native American – will provide students with some of the strategies and help them gain competencies and sensibilities that will enable them to contribute to and thrive in a culturally diverse world. (It is understood that the above categories do not include the entirety of peoples comprising the United States of America. Moreover, it is recognized that a rich variety of cultures are also represented within these broad groups.)

Students will also strengthen their knowledge and awareness of their own ethnic or cultural group. They will also develop their own creative and critical faculties, their own analytical and affective responses to various forms of cultural expression. This approach would, by definition, coax students to challenge the boundaries of ethnicity, culture and academic discipline. In so doing, students will not only improve their intergroup communication skills; they will also become better able to see, appreciate and respect the perspectives of others – factors that are essential to the creation of a more understanding and just society.

## Goals of American Cultures

Courses in American Cultures studies are designed to:

- Provide strategies and enable competencies necessary to thrive in and contribute to a multi-ethnic and inter-cultural environment.
- Link theory and practice in the Jesuit-Marymount tradition.

Courses in American Cultures studies ask students to:

- Broaden knowledge about and partake in study and experiences which promote understanding of the major American cultural groups in order to deepen understanding of the diversity of culture and cultural expressions.

- Develop strategies to explore and/or strengthen knowledge of their own ethnic or cultural background.
- Enhance intergroup communications and relationships.
- Develop critical, affective and creative abilities in a multi-cultural context.

All courses in this curriculum satisfy the AMCS component of the student's core requirement. Some of the courses are also cross-listed in other disciplines.

---

### 100 Introduction to American Cultures

*3 Semester Hours*

Prerequisite: First and second year students only.

---

### 298 Special Studies

*1-3 Semester Hours*

Prerequisite: First and second year students only.

---

### 299 Independent Studies

*1-3 Semester Hours*

---

### 398 Special Studies

*1-3 Semester Hours*

Prerequisite: Third and fourth year students only.

---

### 399 Independent Studies

*1-3 Semester Hours*

# Asian and Pacific Studies

## Director:

Christopher Key Chapple

## Objectives:

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 present shift of interest to the Pacific region, it aims to deepen the student's knowledge of Asia and the Pacific through a concentrated study in one academic discipline or of a country/area. 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, such as a) teaching Asia-related courses in schools b) graduate work on Asia c) business, government, legal and related careers dealing with Asian countries and the Pacific region. All students are encouraged to spend some time in Asia through the various programs available to them.

## Major Requirements:

Lower Division Requirements (18 units) including:

- HIST 182 Modern Asia
- ASPA 201 Asian Civilizations

## Language Requirement:

Language study of an Asian language (competence expected is the equivalent of a two-year study, i.e. 12 units). 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 CLAS 298 (Sanskrit), JAPN 101, 102, 203, 204; CHIN 101, 102, 203, 204; TGLG 101, 102. At UCLA, credit may be obtained through the SOCCIS program for Arabic, Korean and Mongolian.

## Upper Division Requirements (21 units):

ASPA courses (9 units):

- ASPA 301 Geography of Asia and the Pacific
- ASPA 305 Economic and Political Issues in Contemporary Asia
- ASPA 500 Senior Integrating Seminar

Electives (12 units):

Electives within the major may be chosen from a variety of disciplines, including: History, Religion and Philosophy, Arts and Literature, Political Science, Business and Economics.

## Minor Requirements:

Students who elect to pursue the minor will, in consultation with the director, plot an appropriate course of study. The minor requires 18 semester hours of course work: HIST 182 (3 units); one semester of Asian language (3 units); three electives (9 units), at least two of which must be from the Bellarmine College of Liberal Arts; and ASPA 500 (3 units).

### 201 Asian Civilizations

*3 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.

### 298 Special Studies

*1-3 Semester Hours*

### 299 Independent Studies

*1-3 Semester Hours*

### 301 Geography of Asia and the Pacific

*3 Semester Hours*

An introductory geography class in which basic geography concepts and the relationship between humans and nature are presented in the context of East and Southeast Asia. Emphasis will be placed on the study of resource base and the impact of the economy upon settlement, agriculture, transportation and industrial growth in Asian countries and regions.

### 305 Economic and Political Issues in Contemporary Asia

*3 Semester Hours*

This course covers various issues that contemporary Asia, the most politically, economically and socially dynamic region in the world today, is facing. Some of the issues to be dealt with are: economic uncertainties in Asian nations, population, human rights, reunification and others.

**386 Asian Literature***3 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 the Asian literary tradition will be examined.

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours***486 Topics in Asian Literature***3 Semester Hours*

The subject matter of this course will vary from semester to semester. Among the topics which will serve as the focus are: Women in Asian Literature, Asian Mythology, Modern Asian Literature and others.

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours***500 Senior Integrating Seminar***3 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.

**Upper Division Electives****Bellarmine College of Liberal Arts:**

APAM	371	Asian American Literature
APAM	417	Contemporary Issues of Asian Pacific Americans
APAM	427	Asian American Psychology
ECON	470	International Trade*
ENGL	341	Studies in World Literature*

ENGL	345	Studies in Multi-Ethnic Literature
HIST	482	Traditional China
HIST	483	Modern China
HIST	484	Traditional Japan
HIST	485	Modern Japan
HIST	580	Seminar in Asian History
PHIL	364	Asian Philosophy
PHIL	365	Chinese Philosophy
POLS	355	Politics of Asia
POLS	361	International Cooperation*
POLS	362	International Security*
POLS	467	International Government and Business Relations*
POLS	475	International Law*
SOCL	385	Hawaii and the Pacific Islands
TGLG	203	Intermediate Tagalog
THST	382	Religions of India
THST	384	Religions of East Asia
THST	385	Buddhism
THST	480	Topics in Comparative Theology

**College of Communication and Fine Arts:**

ARHS	320	The Arts of Islam
ARHS	321	Arts of Asia: Zen
ARHS	420	Arts of Early India
ARHS	421	Arts of Later India
ARHS	425	Arts of China
ARHS	428	Arts of Japan
DANC	371	Martial Arts (2 units)
DANC	372	Martial Arts in China (2 units)
DANC	374	Yoga (2 units)
DANC	397	World Dance* (0-3 units)
MUSC	303	World Music Cultures I*
MUSC	304	World Music Cultures II*
MUSC	403	Music of Indonesia
MUSC	404	Music of India
MUSC	454	Small World Music Ensemble
MUSC	455	Large World Music Ensemble
THEA	348	Asian Spirit in Drama

**College of Business Administration:**

BLAW	447	International Business Law
FNCE	442	Multinational and the Third World
FNCE	443	International Investments

---

FNCE	448	International Finance*
FNCE	491	International Finance Elective
MGMT	440	International Management*
MGMT	441	International Entrepreneurship
MKTG	444	International Business*
MGMT	491	International Management Elective
MKTG	445	International Marketing*
MKTG	446	International Negotiations*
MKTG	447	International Business Law*
MKTG	491	International Marketing Elective

\* Credit is contingent upon substantial work on Asia and/or the Pacific. Check for course prerequisites or requirements.

---

# Asian Pacific American Studies

## Director:

Dr. Edward Park

## Objectives:

Asian Pacific American Studies (APAM) is a program that supports Loyola Marymount's "commitment to multicultural education." APAM grew out of the Asian Pacific Studies Program (ASPA) in 1992. While ASPA focuses on the traditions and cultures of Asia and the Pacific, APAM is designed to enhance student understanding of the history and contemporary issues that impact the lives of Asian Pacific Americans in the United States. A minor in APAM is available at LMU.

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 Minor Requirements (18 units)

Lower Division Requirement:

APAM 117 Introduction to Asian Pacific American Studies

Upper Division Requirements (15 units):

APAM 500 (Required of all minors) Capstone Course

APAM electives (12 units required):

Any APAM 300-400 level course will meet APAM minor requirements.

Other Approved Electives (3 units are optional):

ARHS 321 PHIL 364  
POLS 337 ENGL 345

AMCS 300-400 level courses

Note: other courses may be approved with the consent of the director.

## 117 Introduction to Asian Pacific American Studies

3.0 Semester Hours

An introductory course which surveys the cultures and histories of the Asian Pacific American in the U.S. interaction among various Asian Pacific American groups and various issues facing Asian Pacific Americans in the United States will also be discussed.

Fulfills core curriculum requirement for Social Sciences.

## 371 Asian American Literature

3.0 Semester Hours

A survey of Asian Pacific American writers and their literature, using critical analysis of autobiographies, short stories, novels, poetry, essays and films.

Offered every other Fall semester.

## 398 Special Studies

1-3 Semester Hours

## 399 Independent Studies

1-3 Semester Hours

## 417 Contemporary Issues of Asian Pacific Americans

3.0 Semester Hours

Topical studies of timely and pertinent contemporary interest involving Asian Americans in the U.S. Focus will change from year to year.

Offered every other Spring semester.

Prerequisite: APAM 117

## 427 Asian American Psychology

3.0 Semester Hours

Coverage of major psychological issues relevant to Asian American personality, identity and mental health, including acculturation, stereotypes, racial identity, intergenerational conflict, etc.

Offered every other Fall semester.



---

### **435 Asian Pacific American Women's Experience**

*3.0 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 and political and community activism.

---

### **437 Asian Pacific Americans and the American Law**

*3.0 Semester Hours*

An examination of constitutional, immigration and civil rights laws and their impact on Asian Pacific American experience. Analysis of historical court cases and legislation, including those pertaining to citizenship, exclusion and World War II internment. Study of contemporary legal issues in Asian Pacific American communities.

---

### **450 Specific Ethnic Focus Seminars**

*3.0 Semester Hours*

An in-depth examination of the experience of a single Asian American subgroup. Populations covered will vary.

Offered every other Spring semester.

Prerequisite: APAM 117

---

### **453 Filipino American Experience**

*3.0 Semester Hours*

Comprehensive introduction to the Filipino American experience. Historical analysis of US 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 Americans in Los Angeles and Southern California.

---

### **457 Vietnamese American Experience**

*3.0 Semester Hours*

Comprehensive introduction to the Vietnamese American experience. Review of Southeast Asian politics during the Cold War with emphasis on US policies in Vietnam. Review of contemporary issues in Vietnamese American community including economic integration, political mobilization and community and family dynamics. In-depth study of social and cultural life of Vietnamese Americans in Los Angeles and California.

---



---

### **498 Special Studies**

*1-3 Semester Hours*

---

### **499 Independent Studies**

*1-3 Semester Hours*

---

### **500 Capstone Course**

*3.0 Semester Hours*

A mandatory course that provides APAM minors with the opportunity to create an individualized thesis project that draws on knowledge and experiences gained from previous coursework in APAM studies. Specific requirements will be finalized based on the research interest.

Prerequisite: completion of all other APAM requirements

# Chicana/o Studies

## Faculty:

Chairperson: Graciela Limón

Professor: Graciela Limón

Associate Professor: Fernando J. Guerra

Assistant Professors: Gabriel Gutierrez, Karen Mary Davalos

## Objectives:

The interdisciplinary Chicana/o Studies curriculum is designed to enhance the students' understanding of the unique influence of the Chicano/Latino community upon the life of the United States. It is the belief of the department that a liberal arts education should expose students to as many cultures and perspectives as possible. This exposure gives emphasis to and brings to life the following aspects of the goals of the University: the encouragement of learning; the education of the whole person; the service of faith and the promotion of justice. Chicana/o Studies seeks to liberate students from the limitations of narrow nationalism, parochial interests and prejudices and specialization which confines the human mind within a single point of view. These goals have a special meaning given the significant presence of diverse cultures in Los Angeles. Chicana/o Studies courses attempt to prepare all students to live in and contribute to a society which is increasingly multicultural.

## Major Requirements:

Lower Division Requirements:

CHST 116

CHST 206

Upper Division Requirements:

24 semester hours: 12 semester hours in upper division requirements (CHST 302, 332, 360 and 485) and 12 semester hours in Chicana/o Studies upper division electives. Students pursuing a Single and Multiple Emphasis Teaching Credential are required to take CHST 403, which may be included in the required elective load.

## Minor Requirements:

18 semester hours: CHST 116, 206, 302, 360, 485 and one Chicana/o Studies upper division elective.

### 116 Introduction to Chicano/a Studies

*3 Semester Hours*

An overview of Chicana/o Studies as an interdisciplinary method of study, in order to familiarize the student with historical and contemporary issues in the Chicana/o and Latina/o communities.

### 206 Introduction to Chicano-Latino Literature

*3 Semester Hours*

An overview of Chicana/o and other U.S. Latina/o writers. Included is representative short fiction by leading authors in this field. The readings cover expression, themes and styles of literature created by these authors.

### 302 Chicanas and Latinas in the U.S.

*3 Semester Hours*

Analysis of the historical, social and cultural variables that have conditioned the roles of Chicanas and Latinas in the U.S.

### 306 Chicano/a Popular Culture

*3 Semester Hours*

This course surveys Chicano/a expressive and popular culture and critically examines the content, styles and meanings of expressive and popular practices in the United States.

Prerequisites: CHST 116, 206

### 308 Contemporary Urban Chicano/a and Latino/a Issues

*3 Semester Hours*

This interdisciplinary course is an overview of contemporary Chicano/a and Latino/a issues. The course helps students understand how the lives of Chicanos/as and Latinos/as are shaped by politics, economics, culture, history and access to nation-state institutions.

### 316 History of U.S./Latin American Relations

*3 Semester Hours*

A survey course that acquaints students with identity and economic issues among Chicanos/Latinos within the context of global developments which affect economic, social, cultural and political relations between the U.S., Mexico and Central America.

**332 Survey of Chicano-Latino Literature***3 Semester Hours*

A course formulated to acquaint students with major works written by a representative group of Chicano/Latino authors. Included are selections from prose, poetry, drama and essay.

**337 Racial and Ethnic Politics***3 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.

**346 History of Chicano/a Education***3 Semester Hours*

An historical survey of Chicanas/os, educational policy and labor market orientation from the nineteenth century to the present.

**348 Latina Writers***3 Semester Hours*

A study of novels written by Latina women from both sides of the border. Included are the works of contemporary women novelists of the United States, as well as those from Mexico, Argentina and Chile. A focus is placed on the role of women in both societies, as portrayed in the novels.

**360 Chicana/o History***3 Semester Hours*

Analysis of the socio-political and economic conditions that shape the historical presence of Chicanas/os in various communities and the United States.

**403 Theories of Second Language Acquisition***3 Semester Hours*

Historical, political and social factors related to second language acquisition are addressed. Course content also includes theoretical perspectives in second language learning, including assessment, identification and program placement for limited English proficient students. An overview of instructional strategies including English Language Development (ELD), Specially Designed Academic Instruction in English (SDAIE) and cooperative learning.

**404 Chicana and Third World Feminism***3 Semester Hours*

This course 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.

**405 Chicano/a Critical Thought***3 Semester Hours*

This interdisciplinary course examines Chicano and Chicana critical and philosophical thought from Meso-American cosmology to Chicano/a Critical Race Theory. This course is suited for pre-law students.

**435 The Politics of California***3 Semester Hours*

An examination of the structure and dynamics of California government and politics.

**436 The Politics of Los Angeles***3 Semester Hours*

A study of the structure and dynamics of county, city and special district governments in the Los Angeles metropolitan area.

**437 Chicana/o Politics***3 Semester Hours*

A study of the social and political development of the Chicano community in the United States.

**441 U.S. Latina/o Novels***3 Semester Hours*

A course formulated to acquaint students with representative novels written by Chicanos, Chicanas and other U.S. Latino novelists.

**442 U.S. Latina/o Poetry***3 Semester Hours*

A course formulated to acquaint students with representative poetry written by Chicanas, Chicanos and other U.S. Latino poets.

---

**444 U.S. Latina/o Drama***3 Semester Hours*

A course formulated to acquaint students with representative drama written by Chicanas, Chicanos and other U.S. Latino playwrights.

---

**445 U.S. Latina/o Essay***3 Semester Hours*

A course formulated to acquaint students with representative essays written by Chicanas, Chicanos and other U.S. Latino essayists.

---

**456 History of Labor and Industrial Policy***3 Semester Hours*

A course that acquaints students with the historical development of the Chicana/o working class and its relationship with industrial policies sanctioned by state agencies and private corporations.

---

**457 History of Chicana/o Youth and the Justice System***3 Semester Hours*

A course that acquaints students with the socio-political and historical relationship between Chicano/Latino youth and the justice system.

---

**485 Community Research and Internship***3 Semester Hours*

Field work in a political, governmental, religious, cultural or social organization in the Chicana/o community, combined with assigned readings, research and group discussion with others engaged in these same endeavors.

---

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours***520 Chicano-Latino Cultures: An Interdisciplinary Perspective***3 Semester Hours*

The presentation of a cultural analysis of the diversity within Chicano/Latino groups. Historical, political, economic and

social issues will be addressed, including the expression of culture in areas such as language, literature and religion.

**Recommended Electives**

For the purpose of providing our majors and minors with a broader perspective, the Department recommends courses in American Cultures that include a Latino component, as well as the following courses:

GEOG	361	Geography of Mexico and Central America
HIST	172	Modern Latin America
HIST	366	History of California
HIST	367	History of Los Angeles
POLS	354	Politics of Latin America
PSYC	324	Ethnopsychology
SOCL	334	Race and Ethnic Relations
SOCL	336	Social Stratification
SPAN	441	Latin American Novel
SPAN	442	Contemporary Latin American Poetry
SPAN	443	Contemporary Latin American Women Writers
SPAN	444	Contemporary Latin American Theater

# Classics and Archaeology

## Faculty:

Chairperson: Jane W. Crawford  
 Professors: Jane W. Crawford, William J. Fulco, S.J.,  
 Robert B. Lawton, S.J.  
 Associate Professor: Matthew Dillon  
 Assistant Professor: Katerina Zacharia

## Objectives:

The study of Greek and Latin language and literature, the foundation of the Western humanistic and scientific traditions, offers the student a well-rounded liberal arts education. It is also a practical study. The student receives an excellent preparation not only for the graduate study of Classics, Theology, or Comparative Literature, but also for professional school in law, medicine, or business.

## Major Programs

The Department of Classics and Archaeology offers a variety of majors: Classics, Greek, Latin and Classical Civilizations. The Classics major offers a traditional training in both Greek and Latin language and literature (in the original), although students may opt to major exclusively in Greek or Latin. The Classical Civilizations major allows the student to study the cultures of Greece and/or Rome from various cultural perspectives in conjunction with other departments; in this major, language study is encouraged but not required.

## Classics Major: Requirements

Lower Division:

LATN 101, 102 and 201.

GREK 101, 102 and 201.

Note: These requirements may be waived if the student has received prior language training sufficient for entry into upper division courses.

HIST 100

Upper Division Requirements:

LATN 301, GREK 301;  
 21 semester hours in upper division Latin and Greek, not in translation.

The chairperson of the department may alter the sequence of courses in Latin and/or Greek. In certain circumstances, upper-division Classical Civilization courses may be substituted for upper-division Latin or Greek.

## Greek Major: Requirements

Lower Division:

GREK 101, 102, 201;

Note: These requirements may be waived if the student has received prior language training sufficient for entry into upper division courses.

HIST 100.

Upper Division:

GREK 301;

21 semester hours in upper division Greek, not in translation.

## Latin Major: Requirements

Lower Division Requirements:

LATN 101, 102, 201;

Note: These requirements may be waived if the student has received prior language training sufficient for entry into upper division courses.

HIST 100.

Upper Division Requirements:

LATN 301;

21 semester hours in upper division Latin, not in translation.

## Classical Civilizations Major: Requirements

The Classical Civilizations major is an interdisciplinary program focusing on the classical civilizations of Greece and Rome through the study of literature, history, archaeology, art history, philosophy, theatre and theology. Greek and/or Latin language study is encouraged but not required.

The Classical Civilizations major consists of 39 semester hours, at least 24 of which are in upper division courses emphasizing Greek or Roman civilization, or both. The actual distribution of courses with an appropriate emphasis is selected with the guidance of the Director of the major.

In addition to the courses listed under the Department of Classics and Archaeology, the following courses may also be taken as part of the Classical Civilizations major, with the approval of the Director of the major:

HIST 100, 405, 406, 407, 408, 410, 411

ARHS 303, 304

PHIL 381, 382

THEA 331

THST 320

## Minor Programs

The Department of Classics and Archaeology offers a Minor in Classics, Greek, Latin, Classical Civilizations and Archaeology. For the minor in Modern Greek Studies, see Modern Languages, or further below.

## Minor Requirements

All minors require 18 semester hours, with at least 9 semester hours at the 300 or 400 level. For the Classics, Latin and/or Greek minors, all courses should be in Greek and/or Latin language and literature. The Classical Civilizations minor consists of any combination of Latin, Greek or Classical Civilizations (CLAS or ARCH) courses. The minor in Archaeology consists of ARCH 401 and 15 additional units, of which 6 may be in courses in an appropriate Mediterranean language (e.g., ancient or modern Greek, Latin, Hebrew or Arabic, or a romance language if it is relevant to a particular archaeological emphasis).

---

# Greek

For Modern Greek, please see below, or listing under Modern Languages.

---

## 101 Elementary Greek I

3 Semester Hours

The fundamentals of Classical Greek; exercises in reading.

---

## 102 Elementary Greek II

3 Semester Hours

A continuation of GREK 101.

Prerequisite: GREK 101 or equivalent.

---

## 201 Intermediate Greek

3 Semester Hours

Grammar review and selections from prose authors.

Prerequisite: GREK 102 or equivalent.

---

## 298 Special Studies

1-3 Semester Hours

---

## 299 Independent Studies

1-3 Semester Hours

---

## 301 Greek Prose Composition

1 Semester Hour

---

## 311 Readings in Homeric Greek

3 Semester Hours

Readings in the *Iliad* and/or *Odyssey*. This course may be repeated for credit.

---

## 312 Readings in Classical Greek: Drama

3 Semester Hours

Readings in Greek Tragedy (Aeschylus, Sophocles, Euripides) and/or Comedy (Aristophanes, Menander). This course may be repeated for credit.

---

---

**321 Readings in Classical Greek: History and Oratory***3 Semester Hours*

Readings in Herodotus, Thucydides, Xenophon and/or the orators (Demosthenes, Lysias, etc.). This course may be repeated for credit.

---

**322 Readings in Classical Greek: Philosophy***3 Semester Hours*

Readings in Plato and/or Aristotle. This course may be repeated for credit.

---

**323 The Epistles of Paul***3 Semester Hours*

This course may be repeated for credit.

---

**331 Readings in Hellenistic Greek***3 Semester Hours*

Readings in Greek literature from the 3rd century BC to the New Testament. This course may be repeated for credit.

---

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours*

---

---

# Latin

---

**101 Elementary Latin I***3 Semester Hours*

The fundamentals of Latin; exercises in reading.

---

**102 Elementary Latin II***3 Semester Hours*

A continuation of LATN 101.

Prerequisite: LATN 101 or equivalent.

---

**201 Intermediate Latin***3 Semester Hours*

Grammar review and selections from prose authors.

Prerequisite: LATN 102.

---

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours*

---

**301 Latin Prose Composition***1 Semester Hour*

---

**311 Horace and Catullus***3 Semester Hours*

This course may be repeated for credit.

---

**312 Virgil***3 Semester Hours*

Readings in the *Eclogues*, *Georgics* and/or *Aeneid*. This course may be repeated for credit.

---

**321 Cicero***3 Semester Hours*

Readings in the orations, philosophical works and/or letters. This course may be repeated for credit.

---

**322 Roman Historians***3 Semester Hours*

Readings in Caesar, Livy and Tacitus. This course may be repeated for credit.

---

**323 Roman Epistolography***3 Semester Hours*

Readings in the letters of Cicero and/or Pliny the Younger. This course may be repeated for credit.

---

**324 Latin Prose***3 Semester Hours*

Readings in selected prose authors of the Republic and/or Empire. This course may be repeated for credit.

---

**411 Latin Poetry***3 Semester Hours*

Readings in selected poets of the Republic and/or Empire. This course may be repeated for credit.

---

**431 Literature of Late Antiquity and the Medieval Period***3 Semester Hours*

Readings in the literature and documents of post-classical Western Europe. This course may be repeated for credit.

---

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours*

---

# Classical Civilizations

*3 Semester Hours*

The following require no knowledge of the Latin or Greek languages:

---

**200 Classical Epic (in Translation)***3 Semester Hours*

The *Iliad*, *Odyssey*, *Argonautica* and *Aeneid*.

---

**210 Greek Tragedy (in Translation)***3 Semester Hours*

The plays of Aeschylus, Sophocles and Euripides.

---

**220 Ancient Comedy (in Translation)***3 Semester Hours*

The plays of Aristophanes, Menander, Plautus and Terence.

---

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours***353 Religions of the Greeks and Romans***3 Semester Hours*

Study of the religious practices and beliefs of the Greeks and Romans from the archaic period to the triumph of Christianity.

---

**451 Myth in Literature***3 Semester Hours*

Study of the basic myths and myth patterns of the Greeks and Romans and their mythological heritage in Western literature.

---



---

**452 Women in Classical Antiquity***3 Semester Hours*

Study of the status and roles of women in classical Greece and Rome.

---

**453 Rome and Hollywood***3 Semester Hours*

Study of modern cinematic representations of Roman civilization.

---

**454 Greek Cinema***3 Semester Hours*

Study of the reworking of themes from Greek myth and literature in Greek cinema.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

**Archaeology**

---

**201 Beginning and Intermediate Classical Hebrew***3 Semester Hours*

A concentrated course in Hebrew, with attention paid to its historical development and to comparative phonetics and morphology.

---

**301 Rapid Readings in Classical Hebrew***3 Semester Hours*

Selected readings in both prose and poetry.

---

**354 Near Eastern Religions***3 Semester Hours*

Study of the religions, rituals and pantheons of ancient Near Eastern societies.

---

**361 Ancient Near East***3 Semester Hours*

Study of the Near Eastern background of classical civilizations from the Neolithic to the Hellenistic periods.

---

**362 Ancient Near Eastern Languages***3 Semester Hours*

Study of the languages and writing systems of the ancient Near East, including Sumerian, Babylonian, Egyptian, Hebrew, Aramaic and Arabic.

---

**401 Near Eastern Archaeology***3 Semester Hours*

Hands-on study of the archaeology and excavated artifacts of the Levant, from the paleolithic to the Roman periods.

---

**402 Mediterranean Archaeological Studies***3 Semester Hours*

Study of the archaeology of a specific ancient Mediterranean culture, period, type of artifact, or phenomenon in Egypt, Anatolia, Crete, Greece, Italy, Israel-Palestine, etc. This course may be repeated for credit.

---

**403 Classical Numismatics***3 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.

---

**404 Egyptology***3 Semester Hours*

Study of Egypt from the Neolithic to the Roman period: history, culture, religion, art, language and literature.

---

---

# Modern Greek

**Minor Program**

The minor in Modern Greek Studies consists of 18 semester hours, of which at least 6 hours must be at the 300 or 400 level. The following distribution is recommended, with the approval of the director of the minor:

9 semester hours of Modern Greek language instruction  
3-6 semester hours from MDGK 341, 354, 398, 399  
3-6 semester hours from the following: THST 322, DANC 390, HIST 410, HIST 450, CLAS 200, 210, 220, 402, 451, 452, or any course in Ancient Greek (GREK 101-331).

---

**101 Elementary Modern Greek I***3 Semester Hours*

An introductory course covering the fundamentals of grammar, syntax, reading skills and oral expression.

---

**102 Elementary Modern Greek II***3 Semester Hours*

Continuation of Modern Greek 101.

---

**203 Intermediate Modern Greek I***3 Semester Hours*

Completion of the study of grammar and syntax. This course is designed to help the student improve conversational skills through listening comprehension and class discussion.

---

**204 Intermediate Modern Greek II***3 Semester Hours*

A course aimed at furthering proficiency through reading, listening comprehension, composition and discussion.

---

**321 Advanced Modern Greek***3 Semester Hours*

A course designed to enable the students to refine their understanding of the language and enhance their verbal abilities. A reasonable command of Modern Greek is a prerequisite.

---

---

**325 Advanced Modern Greek Conversation***3 Semester Hours*

Texts from prose and poetry serve as a basis for advanced discussion and composition.

---

**341 Introduction to Modern Greek Literature (in translation)***3 Semester Hours*

Study of the works of Kazantzakis, Cavafy, Seferis, Elytis and Ritsos.

This course may be repeated for credit.

---

**354 Greek Cinema***3 Semester Hours*

Study of the reworking of themes from Greek myth and literature in Greek cinema.

---

**398 Special Studies***1-3 Semester Hours*

---

**399 Independent Studies***1-3 Semester Hours*

---

# Economics

## Faculty:

Chairperson: Robert Singleton

Professors: James Devine, Seid Zekavat

Associate Professors: Joseph E. Earley, Zaki Eusufzai,  
James Konow, Kamal Shoukry, Robert Singleton, Renate  
Thimester

Assistant Professor: Gabriel Fuentes

## Objectives:

The study of economics illuminates both the limitations and successes of different systems of the production, distribution and consumption of material wealth. Because of the economy's importance to the human condition, economic knowledge is useful to many other fields, such as political science, sociology, anthropology, law and history. It, thus, is as central to a liberal arts education as it is to the 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 to 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 goal of the program is to provide the student with the best preparation for employment in business, government, or secondary education, or for continuation to graduate studies in business, law, or economics, leading to careers in management, banking, finance, law, government, or academia.

## Major Requirements:

Lower Division Requirements:

Economics requirements comprise ECON 110, 120, 230. Mathematics requirements may be satisfied with Plan A: at least two courses from among MATH 120, 131 and 132, or Plan B: MATH 111 and 112. A grade of at least C (2.0) is required in ECON 110, 120 and 230. With the permission of the Department, ECON 100 may be accepted in lieu of 110 or 120. A student entering from high school with the equivalent of any of the above mentioned courses may challenge them by examination.

Upper Division Requirements:

A minimum of 24 hours of upper division courses. Students are permitted to take up to 30 upper division hours in economics. An average grade of C (2.0) must be obtained

in economics courses. Two degrees, a Bachelor of Arts and a Bachelor of Science, are offered in economics with differing course requirements. Since graduate studies require special preparation, students considering the later pursuit of graduate degrees must consult the Graduate Advisor as soon as possible (preferably in their first few years). The Chair can direct these students to the Graduate Advisor who will recommend how to structure their curriculum accordingly.

## Bachelor of Arts (B.A. Economics)

Four of the upper division courses are required: ECON 310, 320, 322 and 540. ECON 310, 320 and 322 should be taken in the sophomore or junior year and ECON 540 in the senior year. The B.A. degree is suitable for pre-law students, pre-M.B.A. students, business and economics double majors, or those interested in careers in general business, banking, government, urban planning or secondary education.

## Bachelor of Science (B.S. Economics)

Six of the upper division courses are required: ECON 310, 320, 322, 530, 532 and 540. ECON 310, 320 and 322 should be taken in the sophomore or junior year and ECON 530, 532 and 540 in the senior year. The B.S. degree adds two courses (ECON 530 and 532) to the B.A. degree requirements. With the prior permission of the Economics Department, students may substitute certain Mathematics Department courses for these two. Students pursuing the B.S. degree are advised to take MATH 131, 132, 234 and possibly other mathematics courses including MATH 248 and 250 under consultation with the Graduate Advisor. The B.S. sequence is suitable for three types of students:

1. those continuing to graduate school in economics or business (especially finance),
2. those interested in statistics or forecasting for business or government and
3. those interested in any of the careers mentioned for the B.A. degree but who desire a somewhat more quantitative preparation.

## Business & Economics Double Major Requirements:

Students with majors in business may also pursue a 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 & Economics may select two upper division Business Administration courses as part of their economics electives.

## Minor Requirements:

18 semester hours consisting of 3-6 lower division hours from the ECON 100-level series and 12-15 upper division hours selected in consultation with the advisor. An average grade of C (2.0) must be maintained in the minor.

## Test of Understanding of College Economics:

Once a year, the Economics Department requires all majors who have completed basic principles courses (110 and 120 or 100), to take a nationally recognized proficiency test in Economics, the Test of Understanding Economics (TUCE). The student who scores highest wins a cash prize: The Award for Economic Literacy. This prize is bestowed at the annual department banquet near the end of the spring semester.

## Suggested Course Sequence for General Economics Major:

### Freshman Year

Fall Semester  
ECON 110, MATH 120 (or 111)

Spring Semester  
ECON 120, MATH 131 (or 112)

### Sophomore Year

Fall Semester  
ECON 230, MATH 132\*

Spring Semester  
ECON 322, MATH 234\*

### Junior Year

Fall Semester  
ECON 310, ECON elective(s)

Spring Semester  
ECON 320, ECON elective(s)

### Senior Year

Fall Semester  
ECON 530\*, ECON elective(s)

Spring Semester  
ECON 532\*, ECON 540

\*These courses are recommended but not required for the B.A. degree. For the B.S. degree, MATH 132 and 234 are strongly recommended and ECON 530 and 532 are required.

## Suggested Course Sequence for Business-Oriented Economics Major:

### Freshman Year

Fall Semester  
ECON 110, MATH 120 (or 111)

Spring Semester  
ECON 120, MATH 131 (or 112)

### Sophomore Year

Fall Semester  
ECON 230

Spring Semester  
ECON 322

### Junior Year

Fall Semester  
ECON 310, business-economics elective

Spring Semester  
ECON 320, ECON 450

### Senior Year

ECON 540, business-economics electives

Business-economics electives include ECON 360, 362, 364, 470 and 471

## Suggested Course Sequence for Pre-Law Economics Major:

### Freshman Year

Fall Semester  
ECON 110, MATH 120 (or 111)

Spring Semester  
ECON 120, MATH 131 (or 112)

### Sophomore Year

Fall Semester  
ECON 230

Spring Semester  
ECON 322

### Junior Year

Fall Semester  
ECON 310, pre-law ECON elective

Spring Semester  
ECON 320, pre-law ECON elective

---

Senior Year

ECON 540, pre-law ECON electives  
Pre-law ECON electives include ECON 352, 356,  
450, 454, 470 and 471.

---

### **100 Economic Literacy**

*3 Semester Hours*

Overview of microeconomics and macroeconomics including supply and demand, theory of production and cost, competition, monopoly, inflation, unemployment and government money and spending policy. Some attention may be given to issues of the history of economic ideas and economic history. Not intended for economics or business majors.

---

### **110 Introductory Microeconomics**

*3 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.

---

### **120 Introductory Macroeconomics**

*3 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.

---

### **230 Introductory Statistics**

*3 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.

Prerequisite: MATH 131 (or 112).

---

### **310 Intermediate Microeconomics**

*3 Semester Hours*

Analysis of consumer behavior and demand, technology and production costs, competition, monopoly and other forms of product markets and resource markets.

Prerequisites: ECON 110, MATH 131 (or 112).

Offered in the Fall semester only.

---

### **320 Intermediate Macroeconomics**

*3 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: ECON 120, MATH 131 (or 112).

Offered in the Spring semester only.

---

### **322 Money and Banking**

*3 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 120.

---

### **330 Intermediate Statistics**

*3 Semester Hours*

Modern inferential statistics covering sample mean distributions, advanced estimation and hypothesis testing techniques, analysis of variance, multiple regression and statistical model building. Incorporates computer programming and solutions of business and economics case studies.

Prerequisites: ECON 110, 120 and 230.

---

### **332 Introductory Computer Applications in Economics**

*3 Semester Hours*

An introduction to the computer software used by economists to model economic and business problems. Designed for beginning users of computers.

Prerequisite: ECON 110 or 120; Recommended: ECON 230.

---

### **334 Business Forecasting**

*3 Semester Hours*

Analysis of a wide range of forecasting methods, including regression, smoothing and arima models.

---

---

### **336 Seminar in Guided Business and Economic Research**

*3 Semester Hours*

Designed to teach students the skills necessary to perform actual quantitative research in a workshop setting. Involves the use of actual data and the application of appropriate research tools such as Box and Whisker Plot, Risk Analysis, Chi-square, analysis of Variance, Quality Control, Multiple Regression, Time Series Forecasting and Linear Programming.

Prerequisite: ECON 230.

---

### **340 U.S. Economic History**

*3 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.

Prerequisites: ECON 110 and 120.

---

### **352 Labor Economics**

*3 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.

Prerequisite: ECON 110.

---

### **356 Urban Economics**

*3 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 110.

---

### **360 Financial Economics**

*3 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.

Prerequisites: ECON 110 and 120.

---

### **362 Managerial Economics**

*3 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.

Prerequisites: ECON 110 and 120.

---

### **364 Multinational Corporation**

*3 Semester Hours*

The economic power and impact; the expansion of multinational business, international movement of management techniques, labor, resources and technology.

Prerequisite: ECON 110 or 120.

---

### **371 Economic Development of Minority Communities**

*3 Semester Hours*

Historical study of minority groups in the American economy. Emphasis upon institutions, ideas and individuals.

Prerequisite: ECON 110.

---

### **410 Advanced Microeconomics**

*3 Semester Hours*

This course will cover material that is not usually covered in a one semester course in microeconomic theory. Topics will include consumer choice under uncertainty, intertemporal choice, equilibrium analysis, externalities, incomplete markets and imperfect information, including moral hazard and adverse selection. In addition, this course will also contain an introduction to basic game theory.

Prerequisite: ECON 310.

---

**450 Industrial Organization***3 Semester Hours*

Analysis of firm behavior including classical models of perfect competition, monopoly, oligopoly and game theory. Discussion of price discrimination, antitrust policy and regulation.

Prerequisites: ECON 310 or 110 and consent of instructor.

---

**454 Public Economics***3 Semester Hours*

Economic analysis of the public sector including the study of public goods, externalities, taxation, cost-benefit analysis, social insurance programs and public choice (or rational choice) models of voting.

Prerequisites: ECON 310 or 110 and consent of the instructor.

---

**470 International Trade***3 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 110.

---

**471 International Finance Theory***3 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 120.

---

**474 Economic Development***3 Semester Hours*

A study of the nature and characteristics of developing countries and economic development theories applied to selected nations. Analysis of special problems of different parts of the world and obstacles to development.

Prerequisites: ECON 310 and 320 or 110 and 120 and consent of instructor.

---

**530 Mathematical Economics***3 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.

Prerequisites: MATH 131 (or 112); ECON 310 or consent of instructor. Recommended: ECON 320.

---

**532 Econometrics***3 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.

Prerequisite: ECON 230

---

**540 History of Economic Thought***3 Semester Hours*

An analysis of the evolution of moral, political and economic ideas and theories and their influence on the development of economic society.

Prerequisites: ECON 110 and 120

---



# English

## Faculty:

Chairperson: Linda Bannister

Professors: Linda Bannister, Mel Bertolozzi, Robert Caro, S.J., Frances Gussenhoven, R.S.H.M., David G. Killoran, Richard L. Kocher, Sharon Locy, Aldon Nielsen, Barbara Roche Rico, Chuck Rosenthal, Lucy Wilson, Gail Wronsky

Associate Professors: Theresia de Vroom, Paul Harris, Holli Levitsky, John Menaghan, John Reilly

Assistant Professors: Karen Surman Paley, Kevin Joe Peters

## Objectives:

Believing that literature is one of the most profound expressions of the human experience, the English Department introduces students to literature from a variety of cultural traditions. This approach can give students a sense of the diversity of the human experience and of their own place in the world. Close work with literature can give students special insight into the shared resource that is our language and can make them more confident about their ability to express themselves and to evaluate the written expression of others. This close work gives students the practice in critical reading and writing that can prepare them for graduate study, teaching and the professions; in addition, writing fiction, poetry and drama can prepare students for careers in those areas.

## Major Requirements:

Lower Division Requirements:

ENGL 201 and 202 taken in sequence; ENGL 203, 204.

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:

There are two programs for the major in English:

### I The English Major: Literature Emphasis

A minimum of 27 semester hours in upper division courses. Up to six of these semester hours may be taken in writing classes.

Upper Division Requirements

ENGL 321 or 322.

Two courses in English and/or American Literature prior to 1800.

Two courses in English and/or American Literature after 1800.

One course in Theory (Selected from ENGL 361, ENGL 462, ENGL 464, ENGL 559, ENGL 561, ENGL 562)

One course in Comparative Literatures (includes any courses in multi-ethnic literature, gender-based literature, world literature, or foreign language literature in translation. Check with your advisor to determine which courses may be used to fulfill this requirement.)



**Total Units: Literature Emphasis**

## Lower Division Requirements

12 Units  
(ENGL 201, 202, 203, 204)

## Upper Division Requirements

21 Units  
(see above)

## Upper Division Electives

6 Units  
  
Total:  
39 Units

**II The English Major:  
Writing Emphasis**

A minimum of 27 semester hours in upper division courses.

## Upper Division Requirements

ENGL 321 or 322.

One course in English or American Literature prior to 1800.

One course in English or American Literature after 1800.

Two 400- or 500-level writing courses, excluding ENGL 402 and ENGL 421.

One course in Theory (selected from ENGL 361, ENGL 462, ENGL 464, ENGL 559, ENGL 561, ENGL 562).

One course in Comparative Literatures/Writing (Includes any multi-ethnic writing or literature course, gender-based writing or literature course, world writing or literature course, or any foreign language literature course in translation. Check with your advisor to determine which courses may be used to fulfill this requirement.)

**Total Units: Writing Emphasis**

## Lower Division Requirements

12 Units  
(ENGL 201, 202, 203, 204)

## Upper Division Requirements

21 Units  
(see above)

## Upper Division Electives

6 Units

Total:  
39 Units

A minimum grade of C (2.0) must be obtained in each course in the major.

**Minor Requirements:**

18 semester hours exclusive of ENGL 110 or its equivalent. ENGL 201 or 202 and at least one "survey" course selected from ENGL 203 or 204 or 323 must be included. At least nine semester hours, exclusive of ENGL 323, must be at the 300 or 400 or 500-level. Three of these nine hours (or at least one course) must be selected from pre-1800 literature courses. Students may select ENGL 203 to fulfill this pre-1800 course requirement, but then they must take either ENGL 204 or ENGL 323 to fulfill the "survey" requirement.

A minimum grade of C (2.0) must be obtained in each course in the minor.

**Pre-Journalism Curriculum**

Although LMU doesn't offer a journalism major or minor, a large number of LMU graduates have gone on to successful careers or graduate work in journalism. These students, who have majored or minored in English or Communication Studies, have taken advantage of a number of exciting LMU courses. These courses comprise the LMU "Pre-Journalism Curriculum" and are particularly recommended for students who intend pursuing a Masters or Ph.D. in Journalism, or who plan to work as a journalist, freelance or for a newspaper or magazine. No student need complete all of the courses listed below, but a healthy sampling will stand a future journalist in good stead and will assist in admission to most graduate programs in journalism across the country.

It is important to note that a working journalist often develops a specialization in a particular area, such as sports, entertainment, or the environment. Content courses in these areas would, of course, be useful. The Pre-Journalism Curriculum includes Political Science courses specifically, since local, state and national politics have an impact on most news and politics is considered an important working knowledge base for any journalist.

A pre-journalism certificate can be issued to the student who successfully completes 18 units of pre-journalism coursework. Students who seek a certificate will be advised on how to create a program that focuses on their area of interest: for example, political reporting, sports reporting, electronic media, etc.

Pre-Journalism courses are offered by a variety of departments and colleges across the University, making the

Pre-Journalism Curriculum truly interdisciplinary.

### Bellarmine College of Liberal Arts, English Department

ENGL	301	Writing for Journalism I
ENGL	302	Writing the Article
ENGL	303	Writing for Business and Industry
ENGL	304	Writing for Advertising
ENGL	401	Writing for Journalism II
ENGL	398/498	Special Studies in Journalism: The Interview
ENGL	398/498	Special Studies in Journalism: Editing
ENGL	402	Writing Internship in Media
ENGL	403	Writing Workshop in Non-Fiction: Advanced
ENGL	405	Literary Non-Fiction
ENGL	407	Reviewing the Arts
ENGL	462	The Art of Rhetoric
ENGL	463	The Essay
ENGL	464	Style in Writing
ENGL	466	Rhetoric and Media
ENGL	469	Practicum in Journalism
ENGL	498	Creative Non-Fiction: New Journalism

### Bellarmine College of Liberal Arts, Political Science Department

POLS	130	American Politics
POLS	135	Contemporary American Politics
POLS	230	Campaign
POLS	332	Political Parties and Elections
POLS	435	The Politics of California
POLS	436	Politics of Los Angeles

### Bellarmine College of Liberal Arts, Philosophy Department

PHIL	320	Ethics
PHIL	330	Contemporary Moral Problems

Students interested in assembling a Pre-Journalism Curriculum should review each semester's course offerings across the colleges paying particular attention to special studies courses focusing on journalistic issues, media topics or related fields. Students may consult with **Dr. Linda Bannister, Pre-Journalism Advisor**, to determine which special or new courses may be appropriate.

There are a number of Pre-Journalism eligible courses offered by the College of Communication and Fine Arts, some of which may entail prerequisites and/or college permission. Please consult with Dr. Linda Bannister for more information about these courses.

Note: Although there is no set sequence for taking pre-journalism courses, some of the above listed courses may carry prerequisite courses that must be completed first. Students interested in journalism are also strongly advised to participate in LMU's award-winning student newspaper *The Los Angeles Loyolan*, *The Tower Yearbook* and/or radio station *KXLU*.

## Secondary Teaching

Students interested in obtaining a secondary teaching credential will have to fulfill all of the requirements for the major in English as well as some coursework specified by the State of California. These requirements are set out in detail in the "Subject Matter Preparation in English" section of the *Guide for English Majors*. The *Guide* is available from the secretary to the English Department or from Dr. Richard Kocher, who is the secondary credential advisor for English majors. Students interested in a secondary credential should see Dr. Kocher as soon as possible and they should also coordinate their program with the School of Education.

### 020 Elective Reading Lab 1

0 Semester Hour

Through the explicit teaching of reading strategies, students will become aware of their own reading processes and learn how to approach, read and remember texts more efficiently and effectively.

Students may be recommended to take this lab by their English 110 instructors.

### 100 English as a Second Language

3 Semester Hours

Students enroll in ENGL 100 based on their performance in the essay administered in all ENGL 110 sections during the first week of classes. A course designed to give students essential skills in writing and reading English.

Students must earn a grade of C (2.0) or better in order to pass this course. Concurrent enrollment in ENGL 101 required.

### 101 Required Writing Lab - ESL

1 Semester Hour

The required lab component of English 100. Taken concurrently with English 100.

Credit/No Credit grading.

Students must earn a grade of Credit in this lab course in order to pass ENGL 100.

### 110 College Writing I

3 Semester Hours

The art of clear and effective college writing. This course will teach students how to generate clear and persuasive expository prose suitable to a variety of academic disciplines.

A grade of C (2.0) or better is required.

**111 Elective Writing Lab I***1 Semester Hour*

A program of individualized tutorial instruction designed specifically to reinforce and develop those skills important to improving college-level prose.

---

**112 College Writing II***3 Semester Hours*

Students are placed in College Writing II based on their performance in College Writing I. An intensive course in analysis, argument and critical thinking strategies designed to help students achieve college level proficiency in critical writing.

This lab is taken concurrently with English 112 upon recommendation of the instructor. A combined grade of C (2.0) or better in English 112/113 is required for successful completion.

---

**113 Elective Writing Lab II***1 Semester Hour*

A program of individualized tutorial instruction designed specifically to reinforce and develop those skills important to improving college-level critical writing.

Credit/No Credit grading.

This elective lab is taken concurrently with English 112.

---

**115 University Writing Lab***1 Semester Hour*

Intensive work on individual writing issues encountered in course work across the curriculum. Emphasis is placed on clarity and style.

Credit/F grading. This course may be repeated twice for degree credit.

---

**125 Foundations for Academic Achievement***1 Semester Hour*

A course in acquiring study skills such as time management, note taking, reading comprehension and test-taking strategies essential for academic success at the university level.

Credit/F grading.

---

**130 An Introduction to Poetry***3 Semester Hours*

A course designed to develop an appreciation of the meaning, forms, techniques and impact of poetry; critical essays based on the reading.

Prerequisite: Successful completion of ENGL 110 or 112.

---

**140 Introduction to Fiction***3 Semester Hours*

An introduction to significant works in the novel and short story; critical essays based on the reading.

Prerequisite: Successful completion of ENGL 110 or 112.

---

**150 Introduction to Drama***3 Semester Hours*

An introduction to significant works of dramatic literature; critical essays based on the reading.

Prerequisite: Successful completion of ENGL 110 or 112.

---

**170 Classics of Literature***3 Semester Hours*

An introduction to significant works in literature outside the British and American traditions; critical essays based on the reading.

Prerequisite: Successful completion of ENGL 110 or 112.

Not available to students who already have credit in FNLT 180.

---

**198 Special Studies***1-3 Semester Hours***199 Independent Studies***1-3 Semester Hours***201 The Language of Poetry***3 Semester Hours*

An introduction to creating poetry and writing about it. Required of all English majors.

Open to English majors and minors only.

---

**202 The Language of Fiction***3 Semester Hours*

An introduction to creating fiction and writing about it.

Open to English majors and minors only.

**203 The History of British Literature I***3 Semester Hours*

British literature from the Anglo Saxons to the end of the eighteenth century.

**204 The History of British Literature II***3 Semester Hours*

British literature from Romanticism through the Moderns. Required of all English majors.

**205 Creative Writing for Non-Majors***3 Semester Hours*

A genre-based writing workshop (fiction, poetry and drama). Fulfills the core requirement in creative arts. Not open to English majors and minors.

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours***301 Writing for Journalism I***3 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.

**302 Writing the Article***3 Semester Hours*

Techniques of writing and marketing the magazine article.

**303 Writing for Business and Industry***3 Semester Hours*

Writing business letters, proposals and reports.

**304 Writing for Advertising***3 Semester Hours*

Writing strategies for advertising.

**305 Advanced Composition for Credential Candidates***3 Semester Hours*

A review of the principles of exposition and grammar, principally for candidates for the elementary and secondary credentials.

**308 Narrative and Memory: A Workshop***3 Semester Hours*

An introduction to reading and writing memoirs.

**311 Writing Workshop in Fiction: Intermediate***3 Semester Hours*

Prerequisite: ENGL 202.

**312 Writing Workshop in Poetry: Intermediate***3 Semester Hours*

Prerequisite: ENGL 201.

**313 Play Writing***3 Semester Hours*

An introduction to writing for the stage.

**321 Shakespeare: the Major Plays***3 Semester Hours***322 Studies in Shakespeare***3 Semester Hours*

An in-depth study of Shakespeare's writings.

May be repeated for degree credit.

**323 Survey of American Literature***3 Semester Hours*

American literature from colonial times through the Modern era.

**324 Religious Myth and the American Novel***3 Semester Hours*

Study of the use of myth, both as theme and artistic device, in modern American fiction.

---

**325 Contemporary Poetry***3 Semester Hours*

British and American poetry from Wallace Stevens to the present.

---

**326 Contemporary Drama***3 Semester Hours*

British, American and continental drama since World War II.

---

**331 Principles of Poetry***3 Semester Hours*

A study of the form and language of poetry; close reading and explication of selected poems.

---

**332 The Short Story***3 Semester Hours*

A study of the short story as a literary form; close reading of representative short stories by American, British and continental writers.

---

**333 The Bible As Literature***3 Semester Hours*

A study of selections from the Old and New Testaments as literary works.

---

**341 Studies in World Literature***3 Semester Hours*

A study of literature(s) written outside the United States and Britain.

---

**342 The Image of Woman in Nineteenth-Century England***3 Semester Hours*

A study of the attitudes towards women as they emerge in the writings of both men and women in 19th century England.

---

**343 Twentieth-Century Women's Writing***3 Semester Hours*

A study of literary and critical texts written by women in this century.

---

**344 Survey of African American Writing***(See AFAM 396)***345 Studies in Multi-Ethnic Literature***3 Semester Hours*

The comparative study of literatures within the American experience. This course is repeatable for degree credit up to three times provided new course material (literature) is covered and a new subtitle has been designated.

May be repeated for degree credit.

---

**346 Children's Literature***3 Semester Hours***351 Myth in Literature***3 Semester Hours*

Study of the basic myths and myth patterns of the Greeks and Romans and the mythological heritage in Western Literature. (see CLAS 451)

---

**361 Reading Methods***3 Semester Hours*

A survey of various methods of reading literary texts.

---

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours***401 Writing for Journalism II***3 Semester Hours*

An advanced class in journalistic prose. Readings and assignments cover hard news, feature stories and New Journalism.

---

---

**402 Writing Internship in Media***3 Semester Hours*

Students enrolled in this course work 10-12 hrs./week with an off-campus media firm.

Prerequisite: Permission of the instructor. Students must submit a portfolio of their writing to the instructor four weeks prior to registration for the course.

---

**403 Writing Workshop in Non-Fiction: Advanced***3 Semester Hours*

Individually directed projects in a variety of expository forms.

---

**404 Advanced Composition***3 Semester Hours*

Principles and practice of expository writing for upper-division students.

---

**405 Literary Non-Fiction***3 Semester Hours*

An advanced course in non-fiction prose, with practice in both creating and analyzing non-fiction.

---

**407 Reviewing the Arts***3 Semester Hours*

A course in writing reviews of film and theatre. Class involves field trips to theatre and film performances.

---

**411 Writing Workshop in Fiction: Advanced***3 Semester Hours*

Individually directed projects in a variety of fiction forms.

Prerequisites: ENGL 202 and 311.

---

**412 Writing Seminar in Poetry***3 Semester Hours*

A workshop for advanced poetry writing students.  
Prerequisites: ENGL 201 and 312.

---

---

**421 Linguistics***3 Semester Hours*

An introduction to issues in linguistics, such as phonology, morphology, syntax and sociolinguistics.

---

**422 Prosody***3 Semester Hours*

A study of poetic forms, based on the close reading and imitation of those forms. This may count as either a literature or writing class.

---

**462 The Art of Rhetoric***3 Semester Hours*

The study of ancient and modern rhetorical theories in order to help students write more persuasively.

---

**463 The Essay***3 Semester Hours*

An introduction to the basic styles and forms of the essay, surveyed historically.

---

**464 Style in Writing***3 Semester Hours*

An examination of prose styles and theories of style to help students develop their own writing styles.

---

**465 Research and Writing***3 Semester Hours*

A course in research methods applied to an individual author stipulated by the instructor.

---

**466 Rhetoric and Media***3 Semester Hours*

A study of persuasion and rhetorical strategies used by the media.

---

**467 Time in 20th Century Literature***3 Semester Hours*

A writing and theory course that explores the shift from modernist to postmodernist ideas of time.

---

**469 Practicum in Journalism***3 Semester Hours*

This course gives students practical journalism experience working on the staff of the *Los Angeles Loyolan* or the *Tower Yearbook*. Particularly appropriate for editors.

Consent of English Department Chair and instructor needed to enroll.

---

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours***501 Comparative Medieval Studies***3 Semester Hours*

A course designed to place the English medieval tradition within the continental framework.

---

**502 The Arthurian Romance***3 Semester Hours*

A study of Arthurian legend from Geoffrey of Monmouth to Sir Thomas Malory.

---

**503 English Literature of the Middle Ages***3 Semester Hours*

English literature, from the Normans to the Tudors.

---

**504 Chaucer***3 Semester Hours*

The works of Chaucer, particularly *The Canterbury Tales*.

---

**511 Literature of the Renaissance***3 Semester Hours*

English literature, exclusive of drama, from Thomas More to the death of Elizabeth I.

---

**512 Seventeenth Century Poetry***3 Semester Hours*

English poetry in the metaphysical and cavalier traditions, including the works of Jonson, Donne, Herrick, Herbert and Marvell.

---

**513 Milton***3 Semester Hours*

The poetry and selected prose of John Milton.

---

**521 British Literature: 1660-1800***3 Semester Hours*

Studies in British literature of the Restoration and Eighteenth Century, exclusive of the novel.

---

**522 Eighteenth Century English Novel***3 Semester Hours*

The development of the English novel in its first century.

---

**531 Romantic Poetry***3 Semester Hours*

English poetry from Blake to Keats.

---

**532 The Nineteenth Century English Novel***3 Semester Hours*

The development of the English novel from Austen to Hardy.

---

**533 Victorian Literature***3 Semester Hours*

Selected works of major poets and prose writers of the period from 1832 to 1900.

---

**534 Literature of the Holocaust***3 Semester Hours*

A study of the literature of the Holocaust including fiction, poetry, drama and film.

---



**541 British Fiction: 1900-1950***3 Semester Hours*

A study of British novels and short fiction from 1900 to 1950.

**542 British Fiction: 1950 to the Present***3 Semester Hours*

A study of British novels and short fiction from 1950 to the present.

**543 British Poetry: 1900-1950***3 Semester Hours*

A study of the poetry of Yeats, Eliot, Auden, Thomas and other modernists.

**544 Modern Irish Literature***3 Semester Hours*

A study of Irish literature from 1900 to World War II.

**545 Contemporary Irish Literature***3 Semester Hours*

A study of Irish literature from the end of World War II to the present.

**551 Early American Literature, Art and Ideas***3 Semester Hours*

An interdisciplinary survey of representative writers, artists and philosophers from the colonial, revolutionary and transcendental periods.

**552 American Romanticism***3 Semester Hours*

The study of such representative American writers as Poe, Hawthorne, Melville and Whitman.

**553 American Realism and Naturalism***3 Semester Hours*

The study of such representative American fiction writers as Twain, James and Crane.

**554 Modern American Fiction***3 Semester Hours*

The study of such representative novelists as Hemingway, Faulkner, Anderson and Fitzgerald.

**555 American Fiction Since 1950***3 Semester Hours*

A study of American novels and short fiction from 1950 to the present.

**556 Modern American Poetry***3 Semester Hours*

The study of representative American poets from Whitman to the mid-twentieth century.

**557 Modern Drama***3 Semester Hours*

British, American and continental drama, from Ibsen to O'Neill.

**558 Caribbean Literature***3 Semester Hours*

The study of representative writers from the English-speaking Caribbean, such as George Lamming, Jean Rhys, Sam Selvon and Jamaica Kincaid.

**559 Survey of Literary Criticism***3 Semester Hours*

The principles and practice of literary criticism from the ancient Greeks to World War II.

**561 Contemporary Literary Criticism***3 Semester Hours*

The principles and practice of literary criticism from World War II to the present.

**562 Contemporary Rhetorical Theory***3 Semester Hours*

Textual analysis and production based on contemporary rhetorical theory.

---

### **563 Creative Writing Seminar**

*3 Semester Hours*

An intensive writing class in fiction, poetry, drama or creative non-fiction.

Note: Graduate students in the Creative Writing Emphasis must take this course three times.

Prerequisites: Undergraduates must complete ENGL 311 and ENGL 411 or ENGL 312 and ENGL 412 before enrolling in ENGL 563.

---

### **564 Narrative Theory**

*3 Semester Hours*

An examination of the structures which govern narrative technique.

---

### **565 Composition Theory and Pedagogy**

*3 Semester Hours*

A course for current and future teachers of composition designed to facilitate the application of theory to pedagogy.

---

### **566 Metaphor: Theory and Practice**

*3 Semester Hours*

A course investigating metaphor theoretically and in the students' own writing.

---

### **571 Writing the Novella**

*3 Semester Hours*

Practice in writing extended narrative forms.

---

### **591 Senior Seminar**

*3 Semester Hours*

A capstone course for the graduating English major.

---

### **598 Special Studies**

*1-3 Semester Hours*

---

### **599 Independent Studies**

*1-3 Semester Hours*

---

# European Studies

## Director:

Véronique Flambard-Weisbart

## 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.

## Objectives:

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. Since the program provides the student with competence in a European language, sufficient background to grasp the complexity of European history and civilization as a whole, as well as a specialization in one field of study, it is a solid preparation for graduate school, or a career in government or private enterprise. A semester of study in Europe is strongly recommended but is not mandatory.

## Major Requirements:

In consultation with the program director, students design a 39 semester hour curriculum which must include 12 units of one Modern European or Classical Language, 24 units of upper-division course work relating to Europe or to specific European cultures and the completion of a capstone project for 3 units.

### Lower Division Requirement (12 units):

Students must take four semesters in one of the following languages: French, German, Italian, Spanish, Modern Greek, Classical Greek, or Latin. In the event that the student is already proficient in one of the European languages taught at LMU, the requirement may be satisfied by Mastery Sessions.

### Upper Division Requirement (24 units):

Students are asked to commit to an area of concentration (a particular country or region of Europe, a general historical period, for example) in which 18 units of upper-division course work will be taken. Courses are selected from regular offerings of the Departments of Art, Classics, Communications, English, History, Modern

Languages and Literatures, Music, Philosophy, Political Science and Theological Studies. Courses with a European focus are also offered from time to time in Marketing and Business Administration. In addition, courses with a EURO designation may be applied to the European major.

### Capstone Project (EURO 500) (3 units):

The capstone project (a thesis, a portfolio, for example), for 3 units, is completed in the student's senior year under the direction of a three member committee, composed of one faculty member acting as director and working in the student's area of concentration and two faculty at large acting as readers.

All lower division (100-200 level) European languages taken at LMU must be selected from the listings in the Department of Modern Languages and Literatures (FREN, GRMN, MDGK, SPAN) and the Classics Department (GREK, LATN).

## 181 European Language and Culture I

*3 Semester Hours*

Only available to LMU Study-Abroad Programs students. Introduction to a specific European language. Designed for complete beginners. No placement test necessary upon on-site arrival.

## 182 European Language and Culture II

*3 Semester Hours*

Only available to LMU Study-Abroad Programs students. Designed for false beginners in a specific European language. Students will take a placement test upon on-site arrival to be assigned to the appropriate level.

## 283 European Language and Culture III

*3 Semester Hours*

Only available to LMU Study-Abroad Programs students. Designed for student 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.

## 284 European Language and Culture IV

*3 Semester Hours*

Only available to LMU Study-Abroad Programs students. Designed for student 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.

---

**381 European Culture and Civilization I**

*2 Semester Hours*

This course is a requirement for all students in the LMU Semester-Abroad New Europe Program in Bonn, Germany. Offered in the Fall semester only. May be taken after EURO 382.

---

**382 European Culture and Civilization II**

*2 Semester Hours*

This course is a requirement for all students in the LMU Semester-Abroad New Europe Program in Bonn, Germany. Offered in the Spring semester only. May be taken after EURO 381.

---

**398 Special Studies**

*1-3 Semester Hours*

---

**399 Independent Studies**

*1-3 Semester Hours*

---

**498 Special Studies**

*1-3 Semester Hours*

---

**499 Independent Studies**

*1-3 Semester Hours*

---

**500 Capstone Project**

*3 Semester Hours*

---

---

# Geography

## Director:

Peter Hoffman

---

### 100 Human Geography

An introduction to general world patterns of major cultural elements and processes; 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.

---

### 125 Urban Physical Environment

(See *URBN 125*)

---

### 198 Special Studies

*1-3 Semester Hours*

---

### 298 Special Studies

*1-3 Semester Hours*

---

### 299 Independent Studies

*1-3 Semester Hours*

---

### 361 Geography of Mexico and Central America

*3 Semester Hours*

A survey of the distinctive physical and cultural elements of the region. The geographical basis of the region's contemporary political and economic development is emphasized.

---

### 365 Metropolitan Los Angeles

(See *URBN 365*)

---



---

### 378 International Tourism

*3 Semester Hours*

A survey of the social, cultural, economic and environmental elements of international tourism with special emphasis on the impacts of the expansion of tourism from the developed nations into the less developed realm. Modern trends in tourism, such as ecotourism, are analyzed for their potential costs-benefits and their implications for careers in the tourist industry.

---

### 398 Special Studies

*1-3 Semester Hours*

---

### 498 Special Studies

*1-3 Semester Hours*

---

### 499 Independent Studies

*1-3 Semester Hours*

---

# History

## Faculty:

Chairperson: John H. Grever, C.F.M.M.  
 Professors: John H. Grever, C.F.M.M., Lawrence J. Jelinek, Richard W. Rolfs, S.J., Ernest Sweeney, S.J., Joseph S. Tiedemann, Lawrence A. Tritle  
 Associate Professors: Michael E. Engh, S.J., Tamara L. Hunt, Susan A. Rabe  
 Assistant Professors: Najwa Al-Qattan, Cara Anzilotti, Jok Madut Jok, Walter Skya  
 Adjunct Professor: Terrance Mahan, S. J.

## Objectives:

Since history takes all knowledge for its province, it forms a bridge between all disciplines. To arrive at a fuller awareness and understanding of the many vital problems of existence, the Loyola Marymount student requires history, for without a knowledge of man and his past, no one can claim to be an educated individual or can hope to establish perspective and meaning in a course of studies for life.

History also makes an invaluable contribution to an understanding of the learning process itself and to the achievement of "learning goals." In history, the student studies evidence, selects relevant materials, searches for causes and effects and formulates conclusions. In studying the past, a person must analyze, synthesize, evaluate and interpret evidence. With knowledge of the historical setting, one can understand and appreciate one's own heritage and culture and the cultural experience of others.

## Major Requirements:

### Lower Division Requirements:

15 semester hours distributed as follows: HIST 100, 101, 161, 162 and one course selected from HIST 152, 172, 182 and 192. A student must accumulate a C (2.0) average in the prerequisite courses. In addition, the department recommends the study of geography and foreign languages.

### Upper Division Requirements:

24 semester hours in upper division courses.

All major programs must include a course in historical method (e.g., HIST 310 or 330) and at least one 500 level seminar. The remaining courses are to be chosen with the approval of the student's advisor and not more than half of the total 24 semester hours may be taken from one of the following areas: 1. Europe, 2. United States, 3. Africa, Asia, Latin

America and modern Middle East. An average grade of C (2.0) must be obtained in the courses included in the major.

## Minor Requirements:

21 semester hours. One course must be selected from HIST 100, 101; one course from 161, 162. At least 9 semester hours must be from upper division course offerings.

---

### 100 Foundations of Western Civilization to 1500

*3 Semester Hours*

Survey of Western civilization in the ancient and medieval periods.

---

### 101 Western Traditions

*3 Semester Hours*

A problem-oriented presentation of the major concepts, ideologies and movements which have dominated the course of modern civilization from 1500 to the present.

---

### 152 Modern Middle East

*3 Semester Hours*

An introduction to the social and political history of the Middle East during the nineteenth and twentieth centuries.

---

### 161 Young America, 1607-1900

*3 Semester Hours*

A survey of American history during the colonial period, the Revolutionary era and the 19th century.

Fulfills U.S. Constitution requirement.

---

### 162 Contemporary America

*3 Semester Hours*

The United States from 1900 to the present; emphasis on political and social history.

Fulfills U.S. Constitution requirement.

---

### 172 Modern Latin America

*3 Semester Hours*

An introduction to nineteenth and twentieth century developments in Latin America.

**182 Modern Asia***3 Semester Hours*

An introduction to the general characteristics of Asian societies and the ways in which they have responded to the West in the 19th and 20th centuries.

**192 Contemporary Africa***3 Semester Hours*

An introduction to the history of sub-Saharan Africa, from colonial to independent status.

**310 History and Historians***3 Semester Hours*

An introduction to the study of history, including historical method, writing of history and historical interpretation.

**312 Society and Culture in the Middle Ages***3 Semester Hours*

An inquiry into the social and cultural developments culminating in the achievements of the high Middle Ages with reference to their influence on modern culture.

**317 Victorian Culture and Society***3 Semester Hours*

A study of class, leisure, social responsibility, gender roles, the family and similar topics in Victorian England.

**322 Revolt and Crisis in Europe***3 Semester Hours*

An inquiry into the general crisis of seventeenth-century Europe and into the emergence of new forms of political and cultural stability.

**324 Revolutionary Europe, 1750-1850***3 Semester Hours*

A study of European cultural change ranging from Romanticism to industrialization, materialism to religious revival.

**326 Nineteenth-Century Europe, 1815-1914***3 Semester Hours*

An investigation into the political, social and economic crises of the European nations between the Congress of Vienna and the outbreak of World War I.

**327 Twentieth Century Europe***3 Semester Hours*

Europe from 1900 to the present with emphasis on political and social history.

**330 Historian As Detective***3 Semester Hours*

This course on historical evidence examines the sources which historians use: oral tradition, archeology, objects, sites and documents.

**335 Women in European History***3 Semester Hours*

An analysis of how philosophical constructs, religion, education, employment and family structures have defined the role of women since the Renaissance.

**336 Social History of the Middle East***3 Semester Hours*

The study of the impact of modernity on social life in the Middle East, that will look at continuities and changes affecting urbanization, gender relations, social classes and the status of minority groups.

**338 Islam in History***3 Semester Hours*

The study of the role of Islamic culture and institutions in the social and political history of the Middle East from the rise of Islam to the present.

**340 American Slavery and Racism***3 Semester Hours*

A survey of the origins and evolution of slavery and racism in American society.

**345 War and Violence in America***3 Semester Hours*

An examination into the various incidents of war and violence to show how they have affected the American experience.

---

**350 Peace Movements in American History***3 Semester Hours*

Traces the history of religious and secular pacifism in America and the various forms of opposition and protest to American wars and military policy.

---

**351 American Reform Movements***3 Semester Hours*

An examination of the major movements for reform of American society, with emphasis on abolitionism, Women's Rights, Progressivism and Civil Rights.

---

**352 American Religious History***3 Semester Hours*

A survey of religious movements, thought and personalities from the colonial period to the present.

---

**354 Women in Early American History***3 Semester Hours*

An exploration of women's experience in American history from the colonial period to the end of the nineteenth century, with emphasis on such variables as class, race/ethnicity and region and the changing role of women in both the private realm of the family and in public life.

---

**355 Women in Modern American History***3 Semester Hours*

An exploration of women's experience in American history from the late nineteenth century to the present, considering the impact of changing gender roles on American society, culture and politics.

---

**356 The American Family***3 Semester Hours*

Traces the changing nature of the family in America from the colonial period to the present, with emphasis on the difference in family forms and experiences by region, race and class.

---

**357 Immigrant America***3 Semester Hours*

A study of the patterns of emigration and assimilation for European, New World and Asian immigrants to the United States from the colonial period to the present.

---

**360 Chicano History***(See CHST 360)***364 The American South***3 Semester Hours*

The origins and developments of the economic, social, political and cultural patterns in the South since the Civil War.

---

**365 The American West***3 Semester Hours*

An examination into the patterns of frontier settlement from the colonial period to 1890 and the regional history of the trans-Mississippi West from 1890 to the present.

---

**366 History of California***3 Semester Hours*

The political, economic, social and cultural development of California from its Spanish origins to the present.

---

**367 History of Los Angeles***3 Semester Hours*

An inquiry into the multi-cultural origins and development of Los Angeles and the challenges facing the modern urban center.

---

**372 History of Mexico***3 Semester Hours*

An analysis of the colonial and national periods, with emphasis on 20th century revolution and socio-economic development.

---

**390 African Kingdoms***3 Semester Hours*

A study of significant kingdoms of Black Africa exploring the major themes of the period.

---



**392 Colonial Africa: 1860-1980***3 Semester Hours*

A study of the inception and development of European rule over various parts of Africa by European imperialists of the 19th century.

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours***405 History of Ancient Greece***3 Semester Hours*

The history of Greece from its origins to the death of Philip of Macedon.

**406 Alexander and the Hellenistic World***3 Semester Hours*

An investigation of the spread of Greek culture through the lands of the successors of Alexander the Great and its relations with the older civilizations of the known world.

**407 History of Ancient Rome***3 Semester Hours*

The history of Rome from its origins to the seventh century and the end of classical antiquity.

**408 Imperial Rome***3 Semester Hours*

A study of the Roman Empire and world to the seventh century and the end of antiquity.

**410 History of the Byzantine Empire***3 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.

**411 Birth of Europe***3 Semester Hours*

An examination of the institutional, intellectual and cultural growth of Europe from 400 to 1050.

**412 The Later Middle Ages***3 Semester Hours*

A study of the flowering of medieval civilization in Europe from 1050 to 1450.

**413 The Age of Faith***3 Semester Hours*

An inquiry into the nature of medieval christendom between 400 and 1450 and its relationship to the church today. Topics include church and laity, monasticism, heresy and authority, the growth of theology and spirituality.

**420 Age of the Renaissance***3 Semester Hours*

A study of the origins and character of the Renaissance in Italy, its social, political and economic context; its cultural expressions.

**421 Age of Erasmus***3 Semester Hours*

An interdisciplinary study of culture, society and politics in France, Germany and Burgundy in the fifteenth and early sixteenth centuries, examining how social and political changes gave rise to new intellectual and artistic movements.

**422 Age of the Reformation***3 Semester Hours*

The religious, political and cultural upheaval of the protestant challenge to medieval christendom and the catholic response.

**425 The French Revolution***3 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.

**430 History of Czarist Russia***3 Semester Hours*

A study of the origins and nature of the autocratic state in Russia from Ivan the Terrible until Nicholas II.

---

**431 Revolutionary Russia***3 Semester Hours*

A study of the causes and consequences of the Russian Revolution of 1917, followed by a political, socio-economic, cultural and diplomatic history of the USSR.

---

**435 Modern Germany***3 Semester Hours*

An analysis of the political, economic, social and cultural developments during the nineteenth and twentieth centuries.

---

**441 Anglo-Saxon and Norman England***3 Semester Hours*

A study of early medieval England from the Celts to Magna Carta.

---

**444 Crown and Parliament in England, 1485-1714***3 Semester Hours*

An examination of the relations between the English monarchs and their parliaments during the Tudor and Stuart periods, intending to show conflict and collaboration, and the role of political and economic interest groups.

---

**446 Great Britain, 1714-Present***3 Semester Hours*

England's rise to world importance, her role in continental politics, the Industrial Revolution, the new British Empire, the evolution of the British constitution.

---

**447 Ireland: Riots, Rebellion, Revolution***3 Semester Hours*

Examines Ireland's struggles for independence from England, ranging from Cromwell's conquests to the "current troubles."

---

**448 The British Empire***3 Semester Hours*

An examination of the rise of the British empire, its impact on British and colonial culture and its collapse and imperial legacy.

---

**450 Modern Greek History***3 Semester Hours*

History of the modern Greek state and the Balkans during the nineteenth and twentieth centuries.

---

**455 The Ottoman Empire***3 Semester Hours*

A study of the Ottoman Empire from the Fall of Constantinople in 1453 until its dismemberment in 1918.

---

**458 Society and Culture in the Modern Middle East***3 Semester Hours*

A topical exploration of the history and politics of the Middle East in the twentieth century that will be based on essays and novels written by Middle Eastern men and women.

---

**460 Colonial America, 1607-1763***3 Semester Hours*

Origin and growth of the English colonies from 1607; the development of colonial economic, social and intellectual life.

---

**461 Revolutionary America, 1763-1787***3 Semester Hours*

The origins, course and results of the American Revolution; the Articles of Confederation.

---

**462 The Young Republic, 1787-1815***3 Semester Hours*

Formation of the Constitution; formation of political parties; cultural, economic, social and diplomatic developments.

---

**463 Jacksonian America, 1815-1845***3 Semester Hours*

A study of thirty pivotal years in American history, focusing on the social, cultural, economic and political developments of the era.

**464 History of the Civil War and Reconstruction***3 Semester Hours*

The underlying and immediate causes of the Civil War; problems of the North and South; the results of the war; problems of reconstruction.

**465 The Age of Theodore Roosevelt***3 Semester Hours*

A study of the age of Populism, Progressivism, overseas expansion and American involvement in World War I.

**466 The Rise of Modern America, 1920-1945***3 Semester Hours*

A study of the emergence of the mass consumption culture, the Great Depression, the rise of the welfare state and World War II.

**467 Recent America, 1945 to the Present***3 Semester Hours*

This course examines the dimensions of affluence and poverty, the politics of the welfare state, the Cold War and detente.

**469 Imperial America: U.S. in World Affairs***3 Semester Hours*

An examination of the role of the United States in world affairs since 1900 and an analysis of the cultural foundations of its foreign policy.

**470 Women, Votes and Equal Rights***3 Semester Hours*

This course examines American women's struggle to gain legal and society equality through voting rights, the adoption of an equal rights amendment and other means such as legislation and education. It also analyzes changes in public opinion regarding gender relations and their links with race, region, class and ethnicity. It covers the period from the Seneca Falls Convention in 1848 to the present.

**474 Brazil***3 Semester Hours*

Brazil from colonial times to the present, analyzing national development, major socio-economic problems, class, caste, power, poverty and revolution.

**482 Imperial China***3 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 nineteenth century, just prior to full scale contact with the western world.

**483 China's Path to Modernization***3 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.

**484 Age of Samurai***3 Semester Hours*

This course is a history of Japan from the origins of the Yamato state to the collapse of the Tokugawa feudal system. It focuses on the Way of the Warrior, the culture of the military aristocracy that ruled Japan from the 12th to the 19th century.

**485 Twentieth Century Japan***3 Semester Hours*

This course examines the creation of the modern Japanese state, the ideological forces driving Japan to war in Asia and the Pacific, the nature of the postwar Japanese political system, the emergence of Japan as an economic and industrial superpower, foreign businesses in Japan and issues in contemporary Japanese popular culture.

**490 The Nile Quest***3 Semester Hours*

The search for the source of the Nile and the interaction of the African people with European explorers and Asian traders.

**491 South Africa**

*3 Semester Hours*

The history of South Africa during the last two centuries with emphasis on political rivalries, apartheid and economic development.

---



# Humanities

## Director:

Jane W. Crawford

## 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. 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 five (5) upper division courses taken from departmental offerings in Art History, Classics, Economics, English, French, German, Greek, History, Italian, Latin, Philosophy, Political Science, Psychology, Sociology, Spanish or Theological Studies. The concentration is then supported by two (2) upper division history courses and two (2) upper division courses in one national literature selected in consultation with the Humanities advisor. Each student will prepare a portfolio outlining his/her initial proposal in beginning the major, including adaptations and refinements of the goals and a final essay which reflects on and synthesizes what has been achieved in the course work for the major. This integrated project (HMNT 497) is reviewed by the Director and given one unit of credit upon satisfactory completion.

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 departmental area which would qualify them for graduate studies.

## Major Requirements:

Lower Division Requirements:

*15 semester hours distributed as follows:*

6 semester hours from: ARHS 200, 201, 202.

3 semester hours in Studio Arts.

6 semester hours from one of the following language sequences:

CHIN 203, 204

FRENCH 203, 204;

GREK 201, any upper division Greek;

GRMN 201, 202;

ITAL 203, 204;

JAPN 203, 204;

LATN 201, any upper division Latin;

MDGK 203, 204;

SPAN 203, 204.

Upper Division Requirements:

*28 semester hours in upper division courses distributed as follows:*

15 semester hours in concentration in a departmental major.

6 semester hours in one national literature which supports the concentration.

6 semester hours in history which supports the concentration.

1 semester hour for the Integrating Project (HMNT 497)

The choice of a concentration and of support courses must be formally approved by the Director.

# Irish Studies

## Director:

John Menaghan

## 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.

Students can earn up to six credits 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:

18 semester hours, including IRST 300 and IRST 310 or their equivalents. At least 12 semester hours must be in upper division courses. An average grade of C (2.0) must be maintained in Irish Studies minor courses.

### 269 Irish Contributions in Science

3 Semester Hours

A survey of the history of science highlighting contributions by such noted Irish scientists as Robert Boyle, John Tyndall, Lord Kelvin, William Parsons, Nicholas Callan and Nobel prize winner Ernest Walton as well as The Royal Dublin Society and The Royal Irish Academy.

### 298 Special Studies

1-3 Semester Hours

### 299 Independent Studies

1-3 Semester Hours

### 300 Modern Irish Literature

3 Semester Hours

A study of Irish literature from 1900 to World War II.

### 301 Beyond the Pale: The Irish & the Harlem Renaissances

3 Semester Hours

A comparative study of two nearly simultaneous cultural movements designed to rescue oppressed cultures from annihilation.

### 302 (Un)Civil (W)Rites: Contemporary African American, Northern Irish, & Native American Literature

3 Semester Hours

A comparative study of three different bodies of literature produced in response to the Civil Rights Movement and its aftermath.

### 303 Contemporary Irish Literature

3 Semester Hours

A study of Irish Literature from the end of World War II to the present.

### 310 Ireland: Riots, Rebellion, Revolution

3 Semester Hours

An examination of Ireland's struggle for independence from England, ranging from Cromwell's conquests to the current "Troubles."

**311 Immigrant America***3 Semester Hours*

A study of the patterns of emigration and assimilation for European, New World and Asian immigrants to the United States from the colonial period to the present.

**320 Immigrant Catholics***3 Semester Hours*

A study of the immigration and assimilation experience of Irish, Hispanic and Filipino Americans. The course covers political participation and recent state and federal legislation affecting immigrants.

**330 Irish Drama***3 Semester Hours*

A study of Irish drama from Yeats to Beckett and beyond.

**345 Celtic Christianity***3 Semester Hours*

An examination of the inculturation of Christianity into the Celtic worldview from the fifth to the eleventh centuries, including Celtic monasticism, liturgy, literature, art and spirituality.

**350 World Dance: Ireland***3 Semester Hours*

Intensive study of Irish dance with particular attention to historical and cultural perspectives.

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours***435 National Film: Ireland***3 Semester Hours*

An in-depth study of the films of Ireland. Screenings, lectures and discussions. Lab fee.

**440 Irish/Celtic Philosophy: Special Topics***3 Semester Hours*

Careful reading of such noted philosophers as William Molyneux, George Berkeley, Francis Hutcheson, Edmund Burke, David Hume and Thomas Reid covering metaphysics, epistemology, ethics and aesthetics as well as the cultural influences on each philosopher's thought.

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours*

## Support Courses

Credit toward the minor in the courses listed below is contingent upon completion of a substantial paper/project on Ireland or the Irish diaspora. Students must secure advance approval from the director and no more than half the semester hours required to complete an Irish Studies minor may be accumulated in this manner. Support courses may have departmental prerequisites; consult the appropriate departments for details.

## Alcohol and Drug Studies

ALDR 201 Alcohol and Drug Studies

## Art History

ARHS 306 Medieval Art  
ARHS 314 American Art  
ARHS 315 Nineteenth Century European Art  
ARHS 418 American Art 1890-1940  
ARHS 419 Contemporary Art

## Business

MGMT 440 Global Business Today  
MKTG 444 International Business  
MKTG 445 International Marketing  
MKTG 446 International Negotiations  
MKTG 447 International Business Law  
FNCE 448 International Finance

## Communication Arts

CMST 336 Intercultural Communication  
CMST 386 Rhetoric of Social Movements



## Dance

- DNCE 381 To Dance is Human: Dance, Culture and Society

## Economics

- ECON 340 U.S. Economic History  
 ECON 352 Labor Economics  
 ECON 356 Urban Economics  
 ECON 364 Multinational Corporation  
 ECON 371 Economic Development of Minority Communities  
 ECON 470 International Trade  
 ECON 474 Economic Development

## English

- ENGL 325 Contemporary Poetry  
 ENGL 326 Contemporary Drama  
 ENGL 351/ or  
 CLAS 451 Myth in Literature  
 ENGL 464 Style in Writing  
 ENGL 511 Literature of the Renaissance  
 ENGL 521 British Literature: 1160-1800  
 ENGL 532 The Nineteenth Century English Novel  
 ENGL 533 Victorian Literature  
 ENGL 543 British Poetry: 1900-1950  
 ENGL 554 Modern American Fiction  
 ENGL 555 American Fiction Since 1950  
 ENGL 557 Modern Drama

## Film

- FILM 313 History of American Film  
 FILM 314 History of European Film  
 FILM 412 Film Authors  
 FILM 513 Seminar in American Film  
 FILM 514 Seminar in European Film

## Geography

- GEOG 378 International Tourism

## History

- HIST 356 The American Family  
 HIST 411 Birth of Europe  
 HIST 441 Anglo-Saxon and Norman England  
 HIST 444 Crown and Parliament in England, 1485-1714  
 HIST 446 Great Britain, 1714-Present  
 HIST 448 The British Empire  
 HIST 460 Colonial America 1607-1763  
 HIST 461 Revolutionary America, 1763-1787  
 HIST 462 The Young Republic, 1787-1815  
 HIST 463 Jacksonian America, 1815-1845  
 HIST 464 History of the Civil War and Reconstruction

- HIST 465 The Age of Theodore Roosevelt  
 HIST 466 The Rise of Modern America, 1920-1945  
 HIST 467 Recent America, 1945 to the Present  
 HIST 469 Imperial America, U.S. in World Affairs

## Philosophy

- PHIL 385 Modern Philosophy I

## Political Science

- POLS 335 Race, Class, Culture and Public Policy  
 POLS 337 Racial and Ethnic Politics  
 POLS 351 Politics of Western Europe  
 POLS 357 U.S. - British Politics  
 POLS 361 International Cooperation  
 POLS 362 International Security  
 POLS 385 Political Films and Media  
 POLS 426 Catholic Political Thought  
 POLS 459 Nationalism  
 POLS 475 International Law

## Psychology

- PSYC 223 Psychology of Women  
 PSYC 224 Race and Ethnicity  
 PSYC 321 Psychology of Marriage  
 PSYC 521 Social Psychology

## Theological Studies

- THST 326 Catholicism: The American Experience  
 THST 349 Faith and Ethnicity in Los Angeles  
 THST 367 Christian Voices on War and Peace  
 THST 425 Medieval Theology

# Liberal Arts

The following courses, offered by the Bellarmine College of Liberal Arts, are designed to enrich the academic, career-related and life skills of our students.

---

## **101 First Year Institute - Mastering Educational Technology**

*1 Semester Hour*

A competence based course designed to prepare first year students to use the tools to conduct basic research, creative writing and other academic work. Consideration of academic honesty and ethics will also be discussed. First Year Institute students only.

---

## **170 An Orientation to Learning I**

*1 Semester Hour*

Information on coping with the technicalities of being a college student - registration, matriculation, library use, study skills, learning resources, career planning: college re-entry. Credit applicable for baccalaureate degree is determined by individual colleges.

Encore students only.

---

## **171 An Orientation to Learning II**

*1 Semester Hour*

Prerequisite: LIBA 170.

---

## **250 Strategies for 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.

---

## **251 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 office of Career Development Services to aid in career decision-making, to make contacts with employers and to evaluate employment opportunities firsthand.

---

## **495 Seminar in College Teaching**

*3 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.

Prerequisite: Senior standing.

# Liberal Studies

Director: Sharon Locy

## Objectives:

The program meets the needs of those students who wish to fulfill the subject area requirements for the elementary (multiple subject) teaching credential as revised by the California Commission on Teacher Credentialing. The program has been approved by this commission.

There are four components to the Liberal Studies major:

### I. University Core Curriculum

*48 Semester Hours*

These requirements are the same as the University core, with the following specifications:

the history requirement must include HIST 162;

the social science requirement is fulfilled by PSYC 100 and a choice of APAM 117, AFAM 115 or CHST 116; and

the science requirement must include a biological, an earth/space and a physical science course: PHYS 150 or NTLS 270 (see below).

### II. Additional Liberal Studies Requirements

*28 Semester Hours*

PHYS 150 (a laboratory science in the fundamentals of Physics) or NTLS 270 (Experimenting in Science)

ENGL 305 (Advanced Composition for Credential Candidates)

ENGL 346 (Children's Literature)

DANC 384 (Creative Dance for Children)

DANC 385 (Movement Arts for Children)

MATH 306, 307 (Mathematics for Elementary Teachers I, II)

CHST 403 (Theories of Second Language Acquisition)

PSYC 350 (Child and Adolescent Development)

### III. Education Program Requirements

*15 Semester Hours*

EDUC 400 (Sociocultural Analysis of Education)

EDUC 401 (Educational Psychology for the Childhood Years)

EDUC 404 (Science in the Elementary Curriculum)

EDUC 405 (Mathematics in the Elementary Curriculum)

EDUC 406 (Social Studies in the Elementary Curriculum)

EDUC 409 (Reading and Language Arts in the Elementary Curriculum)

Completion of this coursework requires a separate application to and acceptance into the Elementary Education Program or the Mild/Moderate Specialist Credential program. Acceptance into either of these programs requires an LMU cumulative GPA of 2.80.

### IV. Concentration

*12-18 Semester Hours*

In addition, Liberal Studies majors also fulfill a concentration (generally, 12 upper division semester hours) in a subject commonly taught in elementary schools or closely related areas of study. Courses applying to the concentration may not be those required of all Liberal Studies majors (see above). With careful planning the concentration can constitute most, if not all, of an LMU minor. See the Director of Liberal Studies for qualifying concentrations.

Remaining baccalaureate units are elective. They may include language and other credential requirements, such as EDUC 415, as well as twelve semester hours of student teaching, after the Education program requirements have been completed.

# Modern Languages and Literatures

## Faculty:

Chairperson: Áine O'Healy

Professor: Áine O'Healy

Associate Professors: Jennifer Eich, Véronique Flambard-Weisbart

Assistant Professors: Rebeca Acevedo, José Ignacio Badenes, S.J., Petra Liedke Konow, Marc Lony, Alicia Partnoy

## Objectives:

Imparting competence in a given language is the first concern of the Department of Modern Languages & Literatures. The Department's subsequent major objective is to introduce the student to a specific culture and civilization through a judicious selection of required courses and electives. These courses focus primarily on the periods and significant authors of the literature involved.

## Courses Exempted from Challenge Examination:

Lower division language courses (100-200) may not be challenged by exam. Additionally, students with significant course credit in a language from high school or college will not be allowed to enroll in the 101 course of that language.

# Chinese

The objective of the 101,102, 203, 204 series is to emphasize speaking and understanding Mandarin, as well as the development of an increased command of Chinese characters for reading and writing. This series requires one hour weekly language lab.

---

## 101 Elementary Chinese I

*3 Semester Hours*

Not open to students who have learned, from whatever source, enough Chinese to qualify for more advanced courses.

---

## 102 Elementary Chinese II

*3 Semester Hours*

Prerequisite: 101 or consent of instructor.

---

## 203 Intermediate Chinese I

*3 Semester Hours*

Prerequisites: 101, 102 or consent of instructor.

---

## 204 Intermediate Chinese II

*3 Semester Hours*

Prerequisites: 101,102, 203 or consent of instructor.

---

## 398 Special Studies

*1-3 Semester Hours*

---

## 399 Independent Studies

*1-3 Semester Hours*

---

## Foreign Literature in English Translation

The following are courses offered in foreign literature for which no knowledge of the foreign language is required.

### 180 World Literature

A study of selected texts from international literature.

### 341 Introduction to Modern Greek Literature

A study of the works of Kazantzakis, Cavafy, Seferis, Elytis and Ritsos.

### 398 Special Studies

*1-3 Semester Hours*

### 399 Independent Studies

*1-3 Semester Hours*

## French / Francophone Studies

### Objectives:

The French / Francophone Studies 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 of them for a more practical emphasis in language learning after the lower division level and allows students to tackle the professional world immediately beyond graduation. It may complement with LMU's Summer Study Abroad Program in Paris, France.

### Major Requirements:

Lower Division Requirements:

FREN 101, 102, 203, 204.

The elementary and intermediate courses may be satisfied by Mastery Session. For majors, a grade of C (2.0) is required in all premajor courses.

Upper Division Requirements:

24 semester hours in upper division courses: FREN 321, 322, 331, 341 and three courses in the 400 series.

An average grade of C (2.0) must be maintained in all upper division courses.

### Minor Requirements:

18 semester hours taken beyond intermediate French: FREN 204, 311, 321, 322 or 331, 341 and one (1) course in the 400 series.

The FREN 101, 102 and 203 series is recommended for those who seek a basic proficiency in the language. This series requires one hour weekly language lab.

### 101 Elementary French I

*3 Semester Hours*

A course intended for students who have not taken French before. It emphasizes reading, writing and oral proficiency in basic French.

---

**102 Elementary French II***3 Semester Hours*

A course intended for students who have not taken French before. It emphasizes reading, writing and oral proficiency in basic French.

---

**103 Elementary French 2***3 Semester Hours*

A continuation of French 101.

Prerequisite: FREN 101 or equivalent.

---

**203 Intermediate French 2***3 Semester Hours*

A continuation of French 102.

Prerequisite: FREN 102 or equivalent.

---

**204 French in Situations***3 Semester Hours*

A review course emphasizing the practice of French communicative skills in real life situations.

Prerequisite: FREN 203 or equivalent.

---

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours***311 Workshop in Professional French***3 Semester Hours*

A study of the language of the professions (themes of workshops can vary from Business French to French for Tourism, Hotellerie & Restauration, translation).

Prerequisite: FREN 204 or equivalent.

---

**321 Writing Workshop in French***3 Semester Hours*

A course on the principles of exposition and grammar in French. It will teach students how to generate clear and persuasive expository prose in French.

Prerequisite: FREN 204 or equivalent.

---

**322 History of Ideas***3 Semester Hours*

A study of social, political and philosophical ideas expressed in a variety of literary forms (plays, novels, poetry essays).

Prerequisite: FREN 204 or equivalent (321 recommended)

Can be exchanged with 331 for minors.

---

**331 Modes of Reading***3 Semester Hours*

An overview of French literature through the study of representative writers in all genres across the centuries.

Prerequisite: FREN 204 or equivalent (321 recommended)

Can be exchanged with 322 for track minors.

---

**341 France Through its Media***3 Semester Hours*

A study of French culture through current magazines, newspapers and television programs.

Prerequisite: FREN 204 or equivalent (321 and 322 recommended).

---

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours***431 French / Francophone Film***3 Semester Hours*

A course designed to introduce students to French / Francophone film poetics through the examination of film narratives by representative directors.

Prerequisites: FREN 321 and 341 recommended;

---

**432 French / Francophone Women Writers***3 Semester Hours*

An examination of the issues raised in French / Francophone women's writings as well as a study of French feminism across the disciplines.

Prerequisites: FREN 321, 322 and 331 recommended

---

---

**433 Francophone Literature***3 Semester Hours*

A study of representative writers from the French speaking world outside of France.

Prerequisites: FREN 321 and 341 recommended

---

**441 Post-Revolutionary French Literature***3 Semester Hours*

A study of modernity through selected themes in French novels, short fiction, drama, poetry by major writers of the post-revolutionary period.

Prerequisites: FREN 321, 322 and 331 recommended

---

**442 Pre-Revolutionary French Literature***3 Semester Hours*

A study of selected literary themes through the works of major writers from the inception of French literature to the French Revolution.

Prerequisites: FREN 321, 322 and 331 recommended

---

**443 Selected Topics in French***3 Semester Hours*

Topics in French literature and culture.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

**German****Minor Requirements:**

The German minor consists of 18 semester hours above the 100 level: GRMN 201, 202, 301 and three courses from upper division offerings (300-400 level). Within this minor a professional German emphasis is possible, with GRMN 302 and GRMN 437 as upper-division course options for the business oriented student.

The student may also obtain an Individualized Studies major in German Studies which consists of eight upper division classes (24 semester hours) on German language and culture. At least four of the eight classes must be German courses and up to four may be from classes emphasizing German culture in fields such as history, philosophy, art history, music and political science.

The GRMN 101, 102, 201 series is recommended for those who seek a basic speaking, writing and reading knowledge of the language. This series requires one hour weekly language lab. The conversation courses are designed to be taken concurrently with regular language courses.

Once per year the German section offers a general proficiency test in German (ZDaF) as well as a specialized one in professional German (ZDfB) which are internationally recognized and certify the language skills of the student to prospective employers in the public and private sector.

Students of German may want 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 in Bonn are listed as EURO 181 and EURO 281 each semester. Upper division German courses are also available with advanced GRMN 381 offered on a regular basis.

---

**101 Elementary German I***3 Semester Hours*

An introduction to the German language and culture stressing oral competence by providing the student with opportunities to use German to communicate information and ideas.

---

**102 Elementary German II***3 Semester Hours*

Continuation of GRMN 101. Continuing emphasis on oral competence, cross-cultural awareness, as well as grammar, reading and writing.

---

**112 Beginning Conversational German***3 Semester Hours*

A course designed to promote oral and aural proficiency and practical competence in elementary German.

Prerequisite: GRMN 102 or concurrent enrollment

---

**201 Intermediate German I***3 Semester Hours*

Continuation of GRMN 102. Designed to consolidate and further develop oral competence, grammar, reading and writing.

---

**202 Intermediate German II***3 Semester Hours*

A course designed to review elementary grammar, as well as to develop further oral competence, reading and writing.

---

**211 Intermediate Conversational German***3 Semester Hours*

Continuation of GRMN 112. A course designed to promote oral and aural proficiency and practical competence in intermediate German.

Prerequisite: GRMN 201 or concurrent enrollment

---

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours***301 Mastery of German***3 Semester Hours*

A finishing course emphasizing oral proficiency, as well as more advanced grammar aspects, reading and writing.

Prerequisite: GRMN 202

---

**302 Business German***3 Semester Hours*

An advanced German course introducing the specialized language of everyday business dealings.

Prerequisite: GRMN 202 or by consent of instructor

---

**321 Survey of German Literature: From Beginning to Present***3 Semester Hours*

An introduction to German literature from its beginning to the 20th century by means of representative texts in all genres.

---

**340 German Culture and Civilization***3 Semester Hours*

A survey of key aspects of German history, society, politics and arts from the 18th century to the present.

Prerequisite: GRMN 202

---

**352 German Cinema***3 Semester Hours*

A seminar on the historical development of German cinema from German Expressionism to the present.

---

**381 Advanced German Language and Culture***3 Semester Hours*

Only available to participants in LMU's *New Europe Program* in Bonn, Germany. Designed for students with an intermediate-high level proficiency in German.

Prerequisite: GRMN 202 or equivalent.

---

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours***431 German Drama***3 Semester Hours*

An introduction to representative German plays since the 18th century. It includes classics from Goethe to Brecht and beyond.

---



**432 German Folklore***3 Semester Hours*

An introduction to the fairy tales of the Brothers Grimm and the multi-faceted fairy tale research.

**433 The German Novella***3 Semester Hours*

A close reading of representative German novellas since the 18th century. It covers novellas by famous authors such as Hoffmann, Thomas Mann, Hesse and Kafka.

**437 Internship Portfolio***3 Semester Hours*

In conjunction with the international internship course MGMT 498 as part of the *New Europe Program* in Bonn, Germany. Professional German language skills are demonstrated by means of a portfolio.

Prerequisite: GRMN 202

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours*

# Italian

**Minor Requirements:**

The minor consists of 18 semester hours taken above the 100 level: ITAL 203, 204 and four courses taken from upper division offerings.

The ITAL 101, 102, 203 series is recommended for those who seek a basic speaking, writing and reading knowledge of the language. This series requires one hour weekly language lab.

**101 Elementary Italian I***3 Semester Hours***102 Elementary Italian II***3 Semester Hours***112 Beginning Conversational Italian***3 Semester Hours*

Prerequisite: ITAL 102 or concurrent enrollment

**203 Intermediate Italian***3 Semester Hours*

A course designed to consolidate and develop the skills introduced in 101 and 102.

**204 Advanced Italian***3 Semester Hours*

A course aimed at advanced proficiency through reading, composition and discussion of cultural materials.

**211 Advanced Conversation***3 Semester Hours*

Prerequisite: ITAL 203 (may be taken concurrently)

**298 Special Studies***1-3 Semester Hours*

---

**299 Independent Studies**

*1-3 Semester Hours*

---

**332 Italian Literature of the 14th Century**

*3 Semester Hours*

An introduction to the classic authors of Italian literature: Dante, Petrarch and Boccaccio.

Prerequisite: ITAL 204 or equivalent.

---

**333 The Italian Novella**

*3 Semester Hours*

A survey of the short story form from the fourteenth century to the present.

Prerequisite: ITAL 204 or equivalent.

---

**334 Italian Literature of the Twentieth Century**

*3 Semester Hours*

A survey of poetry, drama and prose from Svevo and Pirandello to the present.

Prerequisite: ITAL 204 or equivalent.

---

**350 Contemporary Italian Culture**

*3 Semester Hours*

An examination of the diverse forms of contemporary cultural expression in Italy, including literature, cinema, theatre, feminist writing and political critique.

Prerequisite: ITAL 204 or equivalent.

---

**398 Special Studies**

*1-3 Semester Hours*

---

**399 Independent Studies**

*1-3 Semester Hours*

---

**451 Italian Cinema**

*3 Semester Hours*

An examination of the historical development of Italian cinema from Neorealism to the present.

---

---

**498 Special Studies**

1-3 Semester Hours

---

**499 Independent Studies**

*1-3 Semester Hours*

---

# Japanese

---

## 101 Elementary Japanese I

3 Semester Hours

---

## 102 Elementary Japanese II

3 Semester Hours

---

## 203 Intermediate Japanese I

3 Semester Hours

Prerequisite: JAPN 102

Reading and writing knowledge of hiragana and katakana.

---

## 204 Intermediate Japanese II

3 Semester Hours

Prerequisite: JAPN 203

Reading and writing knowledge of hiragana and katakana and approximately 100 kanji.

---

## 498 Special Studies

1-3 Semester Hours

---

## 499 Independent Studies

1-3 Semester Hours

---

# Modern Greek

---

For a minor in Modern Greek, see Classics.

---

## 101 Elementary Modern Greek I

3 Semester Hours

An introductory course covering the fundamentals of grammar, syntax, reading skills and oral expression.

---

## 102 Elementary Modern Greek II

3 Semester Hours

Continuation of Modern Greek 101.

---

## 203 Intermediate Modern Greek I

3 Semester Hours

Completion of the study of grammar and syntax. This course is designed to help the student improve conversational skills through listening comprehension and class discussion.

---

## 204 Intermediate Modern Greek II

3 Semester Hours

A course aimed at furthering proficiency through reading, listening comprehension, composition and discussion.

---

## 321 Advanced Modern Greek

3 Semester Hours

A course designed to enable the students to refine their understanding of the language and enhance their verbal abilities. A reasonable command of Modern Greek is a prerequisite.

---

## 325 Advanced Modern Greek Conversation

3 Semester Hours

Texts from prose and poetry serve as a basis for advanced discussion and composition.

---

**341 Introduction to Modern Greek Literature (in translation)***3 Semester Hours*

Study of the works of Kazantzakis, Cavafy, Seferis, Elytis and Ritsos.

This course may be repeated for credit.

---

**354 Greek Cinema***3 Semester Hours*

Study of the reworking of themes from Greek myth and literature in Greek cinema. Selected films will be examined in their social and cultural context.

---

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours*

---

# Spanish

**Major Requirements:**

Lower Division Requirements:

SPAN 101,102, 203, 204.

The elementary and intermediate courses may be satisfied by placement examination. For majors, a grade of C (2.0) is required in all premajor courses.

Upper Division Requirements:

Spanish Major: The major in Spanish requires 24 semester hours in upper division courses: SPAN 321, 322, 330, 331, 332 and 9 hours in 400 level Spanish electives. A senior portfolio is also required.

Secondary Teaching: Students interested in obtaining a secondary teaching credential must fulfill the requirements for the major and also take SPAN 420 and 430.

**Minor in Spanish:**

The minor consists of 18 semester hours taken beyond the intermediate level: SPAN 204, 321, 322 or 330, to be followed by SPAN 331, 332 and one upper division elective.

All courses are taught in Spanish unless otherwise indicated.

---

**101 Elementary Spanish I***3 Semester Hours*

An introduction to Spanish language and culture with emphasis on communicative and linguistic skills.

Prerequisite: Not open to students with prior study of Spanish.

---

**102 Elementary Spanish II***3 Semester Hours*

A continuation of Spanish language and culture with emphasis on communicative and linguistic skills.

---

**112 Conversational Spanish***1-3 Semester Hours*

A course designed to permit students to learn and practice communicative strategies, increase their vocabulary and to become acquainted with Spanish, Latin American and U.S. Latino cultures. A final oral presentation is required.

Credit/no credit only.

**203 Intermediate Spanish***3 Semester Hours*

This course focuses on the use of communicative strategies as well as a student's reading, writing and aural comprehension of Spanish. The fundamentals of Spanish grammar are reviewed.

Prerequisite: Span 102 or by Placement Exam

**204 Advanced Spanish***3 Semester Hours*

A course designed 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 both receptive and productive skills simultaneously. This entails communicating in both spoken and written form, as well as understanding the content of a Spanish discourse, written or spoken.

Prerequisite: Span 203 or by Placement Exam

**211 Advanced Conversational Spanish***1-3 Semester Hours*

A course designed to permit intermediate students of Spanish to learn and practice communicative strategies, increase their vocabulary and to become acquainted with Spanish, Latin American and U.S. Latino cultures. Oral presentations are required.

Prerequisite: Span 203 or concurrent enrollment

Credit/no credit only.

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours***311 Professional Spanish***3 Semester Hours*

The aim of this class is to strengthen the student's communicative skills in Spanish. We will explore two professions: 1) business and 2) another profession chosen by each student. We will build technical vocabulary, learn certain discursive strategies and enhance our cultural knowledge of particular Spanish-speaking regions by examining various types of texts related to business (e.g. business letters, newspapers, job interviews and advertisements, magazine articles, etc).

**321 Stylistics and Composition***3 Semester Hours*

An introduction to writing and editing Spanish compositions. Course work emphasizes the writing process: developing thesis, structuring arguments and generating a clear, cohesive style.

Prerequisite: SPAN 204 or by Placement Examination.

**322 Introduction to Hispanic Literatures***3 Semester Hours*

A study of theoretical terminology and concepts essential for structural and conceptual analysis of literary works written in Spanish. Students are introduced to literary periods and genres from Spanish and Spanish American authors.

Prerequisite: SPAN 321

**330 Introduction to Spanish Linguistics***3 Semester Hours*

A study of the Spanish sound systems, word formation, word order, vocabulary and the history of the Spanish language. An exposure to varieties of Spanish such as Caribbean Spanish, Mexican Spanish, Peninsular Spanish and Spanish spoken in the U.S.

Prerequisite: SPAN 321 or consent of instructor

**331 Survey of Peninsular Spanish Literature***3 Semester Hours*

Analysis of some of the most celebrated masterpieces of Spanish literature from the Middle Ages to the present, in their historical and cultural contexts.

Prerequisite: SPAN 322 or consent of the instructor

**332 Survey of Latin American Literature***3 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 322 or consent of the instructor

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours***420 Hispanic Cultural Studies***3 Semester Hours*

General survey of 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 socio-historical, cultural and political events which have shaped present-day Latin America.

Prerequisite: SPAN 322 or consent of instructor

**430 Spanish Applied Linguistics***3 Semester Hours*

A study of current directions in both theoretical and practical aspects of the teaching of Spanish. The course reviews problematic areas such as "ser" and "estar", Spanish past tenses, subjunctive, among others.

Prerequisite: Consent of the instructor

**431 Advanced Spanish Syntax***3 Semester Hours*

A detailed examination of Spanish syntax. The following topics are covered: the verbal paradigm, analysis of verbal mood and tenses, the pronominal system, sentence structure, coordination and subordination.

Prerequisite: SPAN 330 or consent of the instructor

**432 Spanish of the Americas***3 Semester Hours*

The course will begin with a review of changes in modern Spanish in America. 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 and American Spanish. The course is to be taught in Spanish.

**441 Latin American Novel***3 Semester Hours*

A representative study of novels written by Latin American authors during the 19th and/or 20th centuries.

Prerequisite: SPAN 322 or consent of instructor.

**442 Latin American Poetry***3 Semester Hours*

General survey of Latin American poetry from a variety of historical periods, literary movements and national origins.

Prerequisite: SPAN 322 or consent of instructor.

**443 Latin American Women Writers***3 Semester Hours*

Survey of representative works by Latin American women writers from a variety of historical periods, literary movements and national origins.

Prerequisite: SPAN 322 or consent of instructor.

**444 Latin American Drama***3 Semester Hours*

An introduction to representative works written by Latin American dramatists from a variety of historical periods, literary movements and national origins.

Prerequisite: SPAN 322 or consent of instructor.

**445 Latin American Short Story***3 Semester Hours*

A study of the short story by literary movements beginning with Romanticism to present day Decade of the Boom and Magic Realism.

Prerequisite: SPAN 322 or consent of instructor.

**451 Nineteenth-century Spanish Literature***3 Semester Hours*

This course will analyze representative literary works and authors of the Spanish nineteenth century in their historical and cultural contexts through a particular theme and from different perspectives.

Prerequisite: SPAN 322 or consent of the instructor.

**452 Spanish Women Writers***3 Semester Hours*

An analysis of poetry and prose written by women from Spain throughout the centuries. Modern theories such as feminism, reader response theory and the new historicism are applied to the texts.

Prerequisite: SPAN 322 or consent of the instructor.

**453 Twentieth-century Spanish Literature I***3 Semester Hours*

The course will analyze representative literary works and authors from the first half of the twentieth century in Spain in their historical and cultural contexts through a particular theme and from different perspectives.

Prerequisite: SPAN 322 or consent of the instructor.

**454 Twentieth-century Spanish Literature II***3 Semester Hours*

The course will analyze representative literary works and authors from the second half of the twentieth century in Spain in their historical and cultural contexts through a particular theme and from different perspectives.

Prerequisite: SPAN 322 or consent of the instructor.

**455 Early Modern Spanish Literature***3 Semester Hours*

A study of the literary works of writers both male and female of the 14th-17th centuries. Parallels are made between early modern authors and contemporary writers as well as their relevance to the 21st century.

Prerequisite: SPAN 322 or consent of the instructor

**457 Federico Garcia Lorca and His World***3 Semester Hours*

The course will analyze the poetry and dramatic works of the Spanish poet and dramatist Federico Garcia Lorca (1898-1936) in their historical and cultural contexts through a particular theme and from different perspectives.

Prerequisite: SPAN 322 or consent of the instructor.

**460 Contemporary Spanish Cinema***3 Semester Hours*

A study of trends and cinematographic techniques from directors such as Carlos Saura and Pedro Almodóvar will be analyzed, along with movies such as Carmen, Cría Cuervos and Women on the Verge of a Nervous Breakdown.

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours*

## Tagalog

The courses are designed to develop student competency in 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.

**101 Elementary Tagalog I***3 Semester Hours*

Introduction to fundamentals of Tagalog with emphasis on

listening and speaking skills. Designed for students with little or no knowledge of Tagalog.

---

### **102 Elementary Tagalog II**

*3 Semester Hours*

Continuation of Elementary Tagalog I.

Prerequisite: Tagalog 101 or consent of instructor.

---

### **203 Intermediate Tagalog I**

*3 Semester Hours*

Designed to strengthen listening, speaking, reading and writing skills and to improve communicative competence by teaching social rules along with the linguistic rules of Tagalog.

Prerequisite: TGLG 102 or consent of instructor.

---

### **204 Intermediate Tagalog II**

*3 Semester Hours*

Continuation of Intermediate Tagalog I.

Prerequisite: TGLG 203 or consent of instructor.

---





# Peace Studies

## Director:

Daniel L. Smith-Christopher

## Objectives:

The purpose of the Peace Studies minor is to promote serious study and reflection on such issues as the problems of war, violence, religious and ethnic inter-communal tensions and the values of peace, nonviolence and co-existence. This study and reflection is facilitated by an academic option to minor in Peace Studies, but is also encouraged through special programs during the academic year and the promotion of student involvement in issues of peace and justice. As an academic option for students at LMU, the Peace Studies minor is a challenging program of studies that is drawn both from existing courses in History, Political Science, American Cultures and Theology, as well as special courses intended specifically for Peace Studies minors. LMU's Peace Studies program is an affiliate of the national academic organization, The Peace Studies Association.

## Minor Requirements:

18 semester hours, including THST 304, POLS 360, HIST 350 or HIST 345 and POLS 469. The remaining hours may be selected from the list of suggested courses, or other courses by approval of the Director of Peace Studies.

### Required Courses:

THST	304	War and Peace in the Bible
POLS	360	Introduction to Peace Studies
HIST	350	Peace Movements in American History
OR HIST	345	War and Violence in America
POLS	469	Peace Studies Seminar

### Suggested Courses:

HIST	469	Imperial America: U.S. in World Affairs
POLS	365	U.S. Foreign Policy
POLS	424	Marx and Marxism
POLS	426	Catholic Political Thought
POLS	475	International Law
SOCL	382	Social Psychology
THST	365	Christian Approaches to Morality
THST	455	Theology of Liberation
THST	398	Reconciliation Across Cultures

---

# Philosophy

## Faculty:

Chairperson: Mary Elizabeth Ingham, C.S.J.  
 Professors: Jasper Blystone, James G. Hanink, Mary Elizabeth Ingham, C.S.J., Elizabeth M. Morelli, Mark D. Morelli, Timothy Shanahan, Santiago Sia  
 Associate Professor: W. Scott Cameron  
 Assistant Professors: Christopher Kaczor, James K. Smith, Robin Wang, Jeffrey Wilson  
 Adjunct Professor: Richard Morris

## 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 Critical Thinking, Human Nature, Ethics and Contemporary Moral Problems 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 eight content areas:

- I. Morality, Law & Politics (320, 330, 331, 332)
- II. Natural & Social Sciences (341, 342, 344)
- III. Arts & Literature (254, 351, 352, 353)
- IV. Religion & Theology (361, 362, 363, 364, 365)
- V. History of Philosophy (381, 382, 383, 385, 387)
- VI. Contemporary Movements (421, 422, 423, 424, 425, 426)
- VII. Major Thinkers (451)
- VIII. Mind & Reality (461, 462, 463, 464)

## Major Requirements:

An overall GPA of C (2.0) is required for students wishing to declare a Philosophy major.

Required:

HIST 100 and PHIL 201.

The History of Philosophy sequence - PHIL 381, 383, 385, 387.

Five Philosophy electives (excluding PHIL 320 and 330), at least three of which must be upper-division courses taken at LMU.

Students planning on pursuing Philosophy at the graduate level are encouraged to attain reading-knowledge of German, French, Latin or Greek prior to graduation. Programs should be planned in cooperation with one of the advisors for majors.

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 have a minimum GPA in Philosophy of 3.3, enroll in the PHIL 500 Senior Project in place of one of the upper division electives and receive at least a grade of B+ (3.3) on the project.

## Minor Requirements:

18 semester hours in Philosophy, of which at least 12 are in upper division courses. Core requirements PHIL 160, 220, 320 and 330 may be counted towards the minor. An average of C (2.0) must be attained in courses in the minor.

Note: Philosophy majors and minors with lower division status are permitted to take upper division Philosophy courses, with the exception of PHIL 320 and 330.

## 160 Philosophy of Human Nature

*3 Semester Hours*

An introductory exploration of the central questions and interpretations of human existence which undergird a Christian worldview. Satisfies core requirement in all colleges.

**201 Symbolic Logic***3 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.

---

**220 Critical Thinking***3 Semester Hours*

An introduction to the methods and principles of sound reasoning, with special attention to the analysis of deductive and inductive arguments, informal fallacies and the nature and purpose of definition. Satisfies core requirement.

---

**254 Philosophy in Film***3 Semester Hours*

An investigation of the philosophical use of the film medium and an examination of particular philosophical ideas portrayed in films.

---

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours*

---

**I. Morality, Law & Politics**

---

**320 Ethics***3 Semester Hours*

A study of the questions which a person must ask in forming an intelligent philosophy of moral choice, carried on in the light of the humanism that Christian culture has articulated through its great thinkers. Satisfies core requirement in all colleges.

Prerequisite: Junior standing

**330 Contemporary Moral Problems***3 Semester Hours*

A study from the perspective of ethical theory of selected moral problems of contemporary interest and significance. Special sections are offered regularly with a focus on ethical issues in medicine and business. Satisfies core requirement in all colleges.

Prerequisite: Junior standing

---

**331 Political Philosophy***3 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.

---

**332 Philosophy of Law***3 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.

---

---

**II. Natural & Social Sciences**

---

**341 Philosophy of Science***3 Semester Hours*

A study of the nature of science, with special attention to the history of science, contemporary scientific developments and scientific method.

---

**342 Philosophy of Biology***3 Semester Hours*

A critical examination of central philosophical issues and controversies in the life sciences.

---

**344 Philosophy & Psychoanalysis***3 Semester Hours*

A critical study of the philosophic presuppositions of psychoanalytic theory, including an examination of the distinction between philosophic and psychological methods.

---

## III. Arts & Literature

---

### 351 Philosophy of Culture

*3 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.

---

### 352 Philosophy of the Arts

*3 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.

---

### 353 Philosophy & Literature

*3 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.

## IV. Religion & Theology

---

### 361 Philosophy of God

*3 Semester Hours*

A philosophical inquiry into the nature and dimensions of religion. Topics may include religious experience, the problems of religious language, the possible grounds for judgments of religious truth, the nature and existence of God, the problem of evil and human immortality.

---

### 362 Philosophy & Christianity

*3 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?

### 363 Personalism

*3 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, Weiland Bellah — may provide a context for analysis.

---

### 364 Asian Philosophy

*3 Semester Hours*

An introduction to ancient Asian thought, primarily through a study of the philosophical ideas of Confucius, Lao Tzu and other Chinese thinkers and of the metaphysical systems of ancient Indian philosophy.

---

### 365 Chinese Philosophy

*3 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.

## V. History of Philosophy

---

### 381 Ancient Philosophy

*3 Semester Hours*

A study of pre-Socratic thought, Plato and Aristotle. Part of the history sequence for majors.

---

### 382 Philosophy in Late Antiquity

*3 Semester Hours*

A study of major philosophical currents after Aristotle, including Neo-Platonism, Stoicism and early Christian reactions to Greek philosophy.

---

### 383 Medieval Philosophy

*3 Semester Hours*

A study of the major philosophical movements from Augustine to Ockham. Part of the history sequence for majors.

**385 Modern Philosophy I***3 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.

---

**387 Modern Philosophy II***3 Semester Hours*

A study of Kant and post-Kantian developments, including 19th century German idealism. Part of the history sequence for majors.

---

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours*

---

**VI. Contemporary Movements**

---

**421 American Pragmatism***3 Semester Hours*

A study of 19th and 20th century pragmatism, including the philosophies of Charles Sanders Peirce, William James and John Dewey.

---

**422 The Analytic Tradition***3 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.

---

**423 Phenomenology***3 Semester Hours*

An introduction to phenomenological method through the close study of the works of Husserl and later phenomenologists.

---

**424 Existentialism***3 Semester Hours*

A study of 20th century European existential philosophy and its 19th century forerunners.

---

**425 Process Philosophy***3 Semester Hours*

A study of the main philosophical doctrines of the process philosophies of A.N. Whitehead and/or Charles Hartshorne.

---

**426 Postmodernism***3 Semester Hours*

A study of strategies in Western philosophy from Meister Eckhart and Nicolaus Cusanus to Spinoza/Nietzsche/Scheler, Fichte/Peirce/Mead, Wittgenstein/Heidegger/Gadamer and Derrida/Foucault.

---

---

**VII. Major Thinkers**

---

**451 Major Thinkers***3 Semester Hours*

Concentrated study of a single, major figure. The thinker will vary from year to year and may be one of the following: Confucius, Socrates, Plato, Aristotle, Aquinas, Franciscan Thinkers (Duns Scotus and William of Ockham), Kant, Hegel, Nietzsche, Peirce, Heidegger, Whitehead, Lonergan, Gadamer, Habermas. Repeatable for degree credit.

---

---

**VIII. Mind & Reality**

---

**461 Theory of Knowledge***3 Semester Hours*

An introduction to the principal problems of epistemology as they appear in both classical and contemporary theories.

---

**462 Symbol & Interpretation***3 Semester Hours*

Semiotic and hermeneutic inquiries into human symbolic activity and its preeminent products, the dramatic presentation of sociocultural modes of self-personification.

---

---

**463 Metaphysics***3 Semester Hours*

An introduction to classical and contemporary metaphysics, the general theory of being.

---

**464 Philosophy of Mind***3 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.

---

**481 Special Topics***3 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.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

**500 Senior Project***3 Semester Hours*

A research and writing project completed under the guidance and direction of a faculty supervisor.

---

# Political Science

## Faculty:

Chairperson: Seth B. Thompson

Professors: Michael A. Genovese, Joseph G. Jabbra, Seth B. Thompson

Associate Professors: Lance H. Blakesley, Fernando J. Guerra, Thomas J. Maloney, S.J., Janie S. Steckenrider, Dirk Verheyen, Robert J. Welch, S.J.

Assistant Professor: Evan Gerstmann

## 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.

## Major Requirements:

Lower Division Requirements:

POLS 110, 120, 130, 150, 160, 210.

An average grade of C (2.0) must be attained in these courses.

Upper Division Requirements:

24 semester hours in upper division courses in Political Science, including at least one course in four of the Groups: Political Thought, Political

Dynamics, Public Administration and Policy Analysis, Comparative Politics, International and World Politics and Public Law. The program must include a capstone course to be chosen from POLS 410, 415, 480, or 490. Specific programs should be planned individually with the advice of a faculty member.

An average grade of C (2.0) must be obtained in courses included in the major.

## Minor Requirements:

18 semester hours in Political Science, including two of the lower-division major required courses listed. The remaining 12 semester hours must be upper division and selected from three of the groups 2 through 7. Specific programs should be planned individually with the advice of a faculty advisor.

An average grade of C (2.0) must be obtained in the courses included in the minor.

---

### 110 Introduction to Political Science

*3 Semester Hours*

Basic concepts of Political Science and contemporary political analysis. Includes an overview of the various sub-fields of the discipline.

Prerequisite: Political Science majors only.

---

### 120 Introduction to Political Thought

*3 Semester Hours*

A survey of major thinkers and their views on politics and on appropriate methods of political analysis.

Prerequisite: Political Science majors only.

---

### 130 American Politics

*3 Semester Hours*

A survey of the basic structure and procedures of the American political system. Satisfies U.S. Constitution requirement.

Prerequisite: Political Science majors only.

---

### 135 Contemporary American Politics

*3 Semester Hours*

An overview of the major political processes in contemporary American life. Satisfies U.S. Constitution requirement.

Prerequisite: Non-Political Science majors only.

---



**150 Comparative Politics***3 Semester Hours*

A survey of the comparative method and concepts. Provides understanding of foreign governments and politics.

Prerequisite: Political Science majors only.

**155 Comparative Foreign Governments***3 Semester Hours*

A basic introduction to the main political institutions and ideologies in Europe, Asia, Africa and Latin America.

Prerequisite: Non-Political Science majors only.

**160 World Politics***3 Semester Hours*

An analysis of how nations behave and why. International conflict and cooperation, with an emphasis on nation-state interaction.

Prerequisite: Political Science majors only.

**210 Empirical Approaches to Politics***3-4 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.

Prerequisites: POLS 110, 120 and 130.

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours***380 Washington Internship***1-6 Semester Hours*

The academic component of a supervised internship in Washington, D.C.

Credit/No-Credit grading only

**381 Internship***1-3 Semester Hours*

The academic component of a supervised internship in an appropriate agency in Los Angeles or Sacramento.

Credit/No-Credit grading only

**385 Political Films and Media***3 Semester Hours*

An examination of the role of print and electronic media in politics and an exploration of political themes as presented in movies.

**392 Special Studies***1-3 Semester Hours***393 Special Studies***1-3 Semester Hours***394 Special Studies***1-3 Semester Hours***395 Special Studies***1-3 Semester Hours***396 Special Studies***1-3 Semester Hours***397 Special Studies***1-3 Semester Hours***398 Special Studies***1-3 Semester Hours***410 Modes of Political Inquiry***3 Semester Hours*

An examination of the logic of normative political inquiry, emphasizing critical modes of political analysis.

Prerequisite: POLS 210

---

**415 Advanced Research Methods***3 Semester Hours*

Introduction to statistical analysis and computerized application of data analysis techniques.

---

**430 Campaign***1 Semester Hour*

A study of the candidates and issues involved in the fall campaign of each election year.

Offered for credit/no credit only.

---

**435 The Politics of California***1-3 Semester Hours*

An examination of the structure and dynamics of California government and politics.

---

**480 Senior Colloquium***3 Semester Hours*

A seminar designed to provide seniors an opportunity to review and examine some key unifying theme in their major. The course satisfies the senior capstone requirement.

Prerequisite: Political Science majors only.

---

**485 Practicum in Politics***3 Semester Hours*

Involves a combination of field work in practical politics with assigned readings, research and group discussion with others engaged in these same endeavors.

---

**490 Senior Thesis***3 Semester Hours*

The senior thesis is intended to provide the opportunity for students to complete a substantive research project to culminate their study of Political Science. The course fulfills the requirement for a capstone course. Approval of instructor and department chair required.

---

**491 Special Studies***1-3 Semester Hours***492 Special Studies***1-3 Semester Hours*

---

---

**493 Special Studies***1-3 Semester Hours*

---

**494 Special Studies***1-3 Semester Hours*

---

**495 Special Studies***1-3 Semester Hours*

---

**496 Special Studies***1-3 Semester Hours*

---

**497 Special Studies***1-3 Semester Hours*

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

**Political Thought**

---

**320 Masters of Political Thought I***3 Semester Hours*

A study of major political thinkers from Plato to Machiavelli.

---

**322 Masters of Political Thought II***3 Semester Hours*

A study of major political thinkers in the modern and contemporary periods.

---

**423 American Political Thought***3 Semester Hours*

A study of the origin and development of liberal democracy from Hobbes and Locke to contemporary American thinkers and groups.

---

---

**424 Marx and Marxism***3 Semester Hours*

An examination of the Marxist contribution to socio-political thought from Marx to the current era.

---

**426 Catholic Political Thought***3 Semester Hours*

An example of the interplay between religion and politics. Comparison and contrast between the Catholic social encyclical tradition and liberation theology.

---

**Political Dynamics**

---

**331 Political Socialization***3 Semester Hours*

This course focuses on the processes of political learning involved in the development of the political self from childhood through the adult years. Emphasis on the individual's orientations and on political culture.

---

**332 Political Parties and Elections***3 Semester Hours*

An analysis of political parties from the institutional and behavioral perspectives. Focus on party structures, participation and the contemporary electoral process.

---

**333 Legislative Process***3 Semester Hours*

A study of the origins, structures and dynamics of legislative bodies, with emphasis on the U.S. Congress and the California Legislature.

---

**334 Presidency***3 Semester Hours*

A study of the powers, process and problems of the modern United States presidency.

---

**335 Race, Class, Culture and Public Policy***3 Semester Hours*

An examination of the linkages between race, social class, culture and public policy in discussions of two important public policy issues in the United States: the creation and persistence of the urban underclass and changes in the racial, economic, political and cultural characteristics of the

United States due to recent patterns of immigration.

---

**336 Immigrant Catholics***3 Semester Hours*

A study of the immigration and assimilation experience of Irish, Hispanic and Filipino Americans. The course covers political participation and recent state and federal legislation affecting immigrants.

---

**337 Racial and Ethnic Politics***(See CHST 337)*

---

**431 Political Attitudes and Behavior***3 Semester Hours*

An examination of public opinion and political participation in terms of their development, trends, measurement and influencing factors.

---

**436 Politics of Los Angeles***3 Semester Hours*

A study of the structure and dynamics of county, city and special district governments in the Los Angeles metropolitan area.

---

**437 Chicano Politics***(See CHST 337)*

---

**438 Women and Politics***3 Semester Hours*

Examines the problems, issues and adjustments faced by men and women in light of changing political roles.

---

**439 Political Psychology***3 Semester Hours*

A study of the relationship between selected psychological and social-psychological characteristics of individuals and political behavior.

---

## Public Administration and Policy Analysis

---

### 340 Administration of Public Affairs

*3 Semester Hours*

Introduction to the problems, principles and theory encountered in the field of public administration.

---

### 345 Urban Politics and Public Administration

*3 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.

---

### 440 Public Policy Analysis

*3 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.

---

### 445 Government and Business

*3 Semester Hours*

An examination of government and business relations, including economic policy making, approaches to private-public sector relations, corporate power and accountability, regulation.

---

### 446 Public Policy On Aging

*3 Semester Hours*

An introduction to the field of political gerontology with an emphasis on the public policies that affect the elderly population.

---

## Comparative Politics

---

### 351 Politics of Western Europe

*3 Semester Hours*

An analysis of the political structures and processes of Great Britain, France, West Germany, Italy, Spain and other Western European nations.

---

### 352 Russia and Eastern Europe

*3 Semester Hours*

An analysis of political processes and recent changes in Eastern Europe and in the republics that made up the former USSR.

---

### 353 Politics in the Middle East

*3 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.

---

### 354 Politics of Latin America

*3 Semester Hours*

Analysis of political actors and political processes common to Latin American politics, with special emphasis on Mexico, Cuba, Brazil and Argentina.

---

### 355 Politics of Asia

*3 Semester Hours*

An analysis of political institutions and political processes in Asian political systems, with special emphasis on China, Japan and India.

---

### 356 Politics of Africa

*3 Semester Hours*

An analysis of the problems and prospects for political, economic and social development in Africa south of the Sahara.

---

### 357 U.S. - British Politics

*3 Semester Hours*

A comparative study of political systems of the United States and Great Britain.

---

### 458 Political Leadership

*3 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.

---

---

**459 Nationalism***3 Semester Hours*

Analysis of nationalism as an ideology and movement, its historical development and its contemporary manifestations.

---

**International and World Politics**

---

**361 International Cooperation***3 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.

---

**362 International Security***3 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.

---

**365 United States Foreign Policy***3 Semester Hours*

Analysis of recent United States foreign policy with a focus on the policy making and implementation process.

---

**461 United States & Latin America***3 Semester Hours*

A survey of the international relations between the United States and the countries of Latin America.

---

**465 World Political Economy***3 Semester Hours*

A study of international political economy with an emphasis on North-South relations.

---

**Public Law**

---

**370 The Judiciary***3 Semester Hours*

A study of judicial decision making and the role of the political process, with emphasis on the U.S. Supreme Court.

---

---

**471 United States Constitutional Law: Case Method I***3 Semester Hours*

Judicial review, federalism, separation of powers, regulation of the economy and race discrimination.

---

**472 United States Constitutional Law: Case Method II***3 Semester Hours*

Political and civil rights, emphasizing First Amendment freedoms and criminal procedure.

---

**475 International Law***3 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.

---

# Psychology

## Faculty:

Chairperson: Michael J. O'Sullivan

Professors: Ronald K. Barrett, Larry C. Bernard, Kenyon S. Chan, Michael R. Foy, Richard L. Gilbert, Renée L. Harrangue, Michael J. O'Sullivan, Ricardo A. Machón, Leland C. Swenson, R. Patricia Walsh

Associate Professors: Judith G. Foy, Cheryl N. Grills, Michael E. Mills

Assistant Professors: Jennifer S. Abe-Kim, Mary Catherine Fitzgerald

## Objectives:

The main objective of the psychology program is to contribute to the liberal education of students through a comprehensive education in the science of Psychology.

Students majoring in psychology have an opportunity to examine in depth many aspects of human and animal behavior along with the practical applications of psychological principles to nearly every facet of human life.

The program prepares students for graduate study in psychology and related fields.

## Major Requirements:

General Requirements:

Introduction to Psychology (PSYC 101)

Elementary Statistics (MATH 154)

Human Anatomy & Physiology (BIOL 150)

Note: A student must earn a grade of C(2.0) or higher in each of these courses. If a student earns a grade of C- (1.7) or lower, the student must repeat the course in the subsequent semester.

- A) a Calculus course with a grade of C or higher may be substituted for MATH 154 after consultation with a departmental advisor.
- B) another biology course with a grade of C or higher, containing information on anatomy, physiology or human biology, may be substituted for BIOL 150 after consultation with a departmental advisor.

NOTE: You must earn a grade of C or higher in each of these courses before you can be eligible to declare or to remain a Psychology major. You must retake premajor courses for which you receive a grade of C- or lower until a grade of C or above is achieved.

Lower Division Major Requirements:

1. Statistical Methods for Psychology (PSYC 241)  
Prerequisite: MATH 154 (grade of C (2.0) or higher).
2. Research Methods (PSYC 242) Prerequisite: PSYC 241 (grade of C (2.0) or higher).
3. Brain and Behavior (PSYC 251) Prerequisite: BIOL 150 (grade of C (2.0) or higher).

You must earn a grade of C or higher in each of the above courses before you can take any 400 or 500 level courses. You must retake lower division major requirements for which you receive a grade of C- or lower until a grade of C or above is achieved.

Upper Division Major Requirements:

24 semester hours in upper division courses in psychology, with a minimum of one course from each of the following:

- I. Learning/Cognitive: PSYC 511, 512
- II. Social/Developmental: PSYC 521, 522
- III. Personality/Abnormal: PSYC 531, 532
- IV. Empirical Methods: PSYC 541, 542 or other courses designated by the Department of Psychology.

In addition, students will select four upper division courses in consultation with their academic advisor. No more than 6 semester hours of the required 24 hours may be taken from the PSYC 300 series. In addition, students may take an additional 6 semester hours of upper division psychology courses and have them counted as electives. Students may not take more than 30 semester hours of upper division psychology courses.

A grade of C (2.0) must be obtained in major courses. Psychology majors are prohibited from taking 400 level or higher psychology courses before completing all lower division Psychology major requirements. Exceptions to this policy may be made only with the prior consent of the Psychology Department Chair. Transfer students must also abide by this requirement.

Minor Requirements:

18 semester hours which include the following: PSYC 100 or 101 and 15 semester hours of upper division courses selected in consultation with the Psychology Department Chair. A grade of C (2.0) must be obtained in minor courses.

## 100 General Psychology

*3 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.

### **101 Introduction to Psychology**

*3 Semester Hours*

Introduction to the scientific study of behavior, including an overview of the history of psychology, biological basis of behavior, sensation/perception, consciousness, learning, memory, cognition, language, motivation, emotion, intelligence, development, personality, psychological disorders, therapy, social behavior and psychological testing.

Majors/minors only.

### **201 Introduction and Overview of Alcohol, Tobacco and Other Drugs**

*3 Semester Hours*

History of alcohol and other mood-altering drugs in the United States, the myths and stereotypes of alcohol use, the socio-cultural factors that contribute to drug use and the patterns and progressions of alcoholism and other drug dependency. (See ALDR 201)

### **222 Psychology of Gender Differences**

*3 Semester Hours*

The evolution of sex, the two sexes and sexually dimorphic physiology, emotion, behavior and cognition will be examined. The various reproductive strategies used by females and males (including those of nonhuman species) will be examined, as well as the cross-cultural manifestations of the resulting "battle of the sexes."

Prerequisite: Grade of C (2.0) or higher in PSYC 100 or 101.

### **223 Psychology of Women**

*3 Semester Hours*

Women's biological, emotional, cognitive and behavioral functioning will be reviewed. Topics of special concern to women (e.g., discrimination, sexual harassment, parenting, etc.) will also be discussed.

Prerequisite: Grade of C (2.0) or higher in PSYC 100 or 101.

### **224 Psychology of Race, Culture and Ethnicity**

*3 Semester Hours*

Theories and research on psychological, social and cultural influences in prejudice, racism, ethnic identification, stereotyping and racial conflict.

Prerequisite: Grade of C (2.0) or higher in PSYC 100 or 101.

### **231 Sport Psychology**

*3 Semester Hours*

Explores the relationship of psychological factors: personality, motivation, arousal, anxiety, competitiveness and aggression to athletic performance. Examines the psychosocial aspects of team versus individual sports, team cohesion, coaching, leadership, performance enhancement and recovery from injury. Students learn to understand the contributions of psychology and its relevant research and intervention techniques to sport and exercise in general and to the careers of athletes, coaches, trainers, psychologists and other sports professionals in particular.

Prerequisite: Grade of C (2.0) or higher in PSYC 100 or 101.

### **232 Psychology and the Law**

*3 Semester Hours*

Survey of the ways in which social scientists and the legal system interact, covering issues such as determinations of the mental states of criminals, family law and compulsory mediation and the role of psychologist as expert advisor and witness.

Prerequisite: Grade of C (2.0) or higher in PSYC 100 or 101.

### **241 Statistical Methods for Psychology**

*4 Semester Hours*

Statistical concepts and methods related to psychological testing and research, including measures of central tendency, variance, hypothesis testing, analysis of variance, correlation, regression, non-parametric tests, use of computer aids.

Lab Required

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, MATH 154.

---

**242 Research Methods***4 Semester Hours*

Introduction to the fundamentals of psychological research including experimental, nonexperimental and quasi-experimental designs; emphasis on critical analysis of research, interpretation of data (with use of computer aids) and scientific writing.

Lab Required

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 241.

---

**251 Brain and Behavior***3 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 each: PSYC 100 or 101, BIOL 150, or consent of instructor.

---

**298 Special Studies***1-3 Semester Hours*

Grade of C (2.0) or higher in PSYC 100 or 101.

---

**299 Independent Studies***1-3 Semester Hours*

Prerequisite: Grade of C (2.0) or higher in PSYC 100 or 101.

---

**321 Psychology of Marriage***3 Semester Hours*

Exploration of theories and research on psychological processes in interpersonal attraction; intimacy, marriage and family relationships.

Prerequisite: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

---

**350 Child and Adolescent Development***3 Semester Hours*

Research and theories of normal human development from birth through adolescence, emphasizing growth and change in biological, cognitive and social processes.

Liberal Studies majors only.

Prerequisite: Grade of C (2.0) or higher in PSYC 100.

---

**351 Comparative Animal Behavior***3 Semester Hours*

An examination of the ecological and social determinants of the evolution of adaptive behavioral strategies for various classes of behavior across species, including foraging, courtship and reproduction, mating systems, aggression, territoriality and parenting. Field trips to observe animals.

Prerequisite: Junior standing. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**362 Psychology of Religion***3 Semester Hours*

Examines the religious experience from a psychological perspective, including methods of developing spiritual awareness, classic writings in the field and review of empirical research.

Prerequisite: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

---

**398 Special Studies***1-3 Semester Hours*

Prerequisite: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

---

**399 Independent Studies***1-3 Semester Hours*

Prerequisite: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

---

**411 Motivation and Emotion***3 Semester Hours*

Animal and human research related to needs, desires, feelings and purposes that arouse and direct behavior.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**422 Introduction to the Exceptional Child***3 Semester Hours*

(See EDUC 440)

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---



**432 Health Psychology***3 Semester Hours*

Explores the relationship between behavioral principles/ personality and physical health/illness.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

**433 Community Psychology***4 Semester Hours*

History and principles of human services delivery systems of community mental and physical health in settings affected by poverty, social discord and dehumanizing factors in urban living.

Lab Required; Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

**434 Psychology of Death and Dying***4 Semester Hours*

Theoretical and empirical research on the psychological nature of death and dying in the human life span process will be fully examined.

Lab Required; Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

**443 Advanced Statistics***3 Semester Hours*

Advanced statistical methods using computer statistical packages. Topics include factor analysis, multiple regression and multivariate analysis of variance.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

**452 Evolutionary Psychology***3 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.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

**455 Neuropsychology***3 Semester Hours*

Clinical neuropsychology: brain damage and organic syndromes, diagnosis and biological therapies.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

**456 Psychopharmacology***3 Semester Hours*

Study of psychopharmacological prevention, diagnosis and treatment of mental disorders; secondary focus on psychopharmaco-dynamics and neurochemistry of drugs which derive their primary effect by acting on the central nervous system.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

**461 History and Systems in Psychology***3 Semester Hours*

Survey of major trends in science and philosophy culminating in the establishment of scientific psychology, with attention to theories and systems that have influenced psychology to the present time.

Prerequisites: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

**462 Industrial Psychology***3 Semester Hours*

Human problems in industry and business: motivation, morale, efficiency, human relations, occupational fatigue and rest, accident proneness, human engineering and leadership.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**490 Teaching Internship***1-3 Semester Hours*

Guided teaching of undergraduate laboratories. May be repeated for credit.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**498 Special Studies***1-3 Semester Hours*

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**499 Independent Studies***1-3 Semester Hours*

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**511 Theories of Learning***3 Semester Hours*

Systematic theories of learning and problem solving in animals and humans, with a discussion of the relation of such theories to theories of psychopathology, education and psychotherapy.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**512 Cognitive Psychology***3 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.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**521 Social Psychology***3 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.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**522 Life-Span Development***3 Semester Hours*

Research and theories of normal human development from conception through death, with emphasis on changes in physical, cognitive and social-emotional processes with age.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**531 Theories of Personality and Research***3 Semester Hours*

A survey of the major contemporary theories of personality and relevant research and applications related to each theory.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

---

**532 Abnormal Psychology***3 Semester Hours*

Causes, diagnosis and treatment of various mental disorders: schizophrenia, mood disorders, anxiety disorders, personality disorders, childhood disorders, sexual dysfunctions and other conditions covered in DSM IV.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**541 Research Practicum***3 Semester Hours*

Students design and conduct an experiment or other empirical research in a specific area of psychology. Highly recommended for undergraduates considering graduate school.

Majors/minors only.

Prerequisites: Grade of B (3.0) or higher in each: PSYC 241, 242. Grade of C (2.0) or higher in each: PSYC 100 or 101, 251.

---

**542 Introduction to Testing***3 Semester Hours*

Basic concepts of measurement theory including reliability, validity and scaling; developing and standardizing tests, behavioral observation, unobtrusive measures, intelligence tests, personality assessment, including projectives and vocational tests.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**598 Special Studies***1-3 Semester Hours*

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

---

**599 Independent Studies***1-3 Semester Hours*

Students work individually with a selected professor on a specific area of interest. Students who have completed PSYC 541 may wish to conduct further research independently.

Majors/minors only.

Prerequisite: Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 251.

# Sociology

## Faculty:

Chairperson: Loretta Morris  
 Professors: James Faught, James Mathieu, Loretta Morris  
 Associate Professors: John A. Davis, Peter Hoffman  
 Assistant Professor: David Marple  
 Adjunct Professor: G. Edward Evans

## 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.

Courses offer the student opportunities to develop skills in critical thinking, gathering data and analyzing social phenomena, assessing research and written materials, formulating fieldwork and research proposals and writing and presenting original research.

Our students are also encouraged to experience community dynamics and offer their service to social agencies in order to integrate their studies, skills and learning.

Major Requirements:

Lower Division Requirements:

SOCL 100, 105, 109, 210, 211. A grade of at least C (2.0) will be required in all lower division courses.

Upper Division Requirements:

27 semester hours in upper division courses in sociology which must include SOCL 301, 401, and 495. An average grade of C (2.0) must be obtained in courses included in the major.

SOCL 495 should be taken in the senior year. The remaining 18 semester hours are to be chosen from the six theme areas into which upper division sociology courses are grouped: I. Deviance and Control; II. Social Inequality; III. Urban, Population and Demographic Processes; IV. Social Organization; V. Family and Life Cycle, VI Globalization. Students must take at least one course from four of the theme areas. The remaining courses may be taken from any of the upper division offerings.

At least two 300 or 400 level sociology courses must be taken in the senior year.

Minor Requirements:

18 semester hours, including SOCL 100 or 105, 109, 301 or 401 and 9 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 300 or 400 level sociology course must be taken in the senior year.

Major Requirements (courses):

### 100 Principles of Sociology

*3 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.

### 105 Cultural Anthropology

*3 Semester Hours*

An introduction to the social organization and culture of preliterate and modern societies. Major emphasis is on cultural anthropology, a study of how humans have learned to cope with their world, the varieties and similarities of this coping.

### 109 Social Research Methods

*3 Semester Hours*

An introduction to scientific inquiry and research in the social sciences, with special emphasis on conceptualization and operationalization process, various data collection strategies and the use of computers in data analysis.

### 210 Elementary Social Statistics

*3 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.

May be taken concurrently with SOCL 109.

---

**211 Advanced Social Research***3 Semester Hours*

Emphasis is given to applied aspects of sociological research, utilizing a fieldwork project resulting in a report that embodies advance research techniques.

Prerequisites: SOCL 109, 210

---

**301 Development of Sociological Theory***3 Semester Hours*

An introduction to 19th century contributions to sociological thought: Comte, Tocqueville, Marx, Durkheim, Weber and others are examined within their historical settings.

---

**401 Contemporary Theory***3 Semester Hours*

A survey of the variety of 20th century sociological perspectives, including symbolic interactionism, ethnomethodology, functionalism, critical theory and others.

---

**495 Sociology Seminar***3 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.

Prerequisite: Senior majors only

---

**I. Deviance and Social Control**

---

**322 Deviant Behavior***3 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.

---

**422 Criminal Justice***3 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.

---

**423 Criminal Law***3 Semester Hours*

Using a sociological perspective, the criminal law will be approached as a set of principles and assumptions regarding human behavior. In reviewing the current body of American criminal law both the social functions and the rationale for their existence will be explored.

---

**424 Crime and Delinquency***3 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.

---

**II. Social Inequality**

---

**332 Gender and Society***3 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.

---

**334 Race and Ethnic Relations***3 Semester Hours*

An examination of the interaction between ethnic and racial minorities and the dominant group in the light of current sociological theories of social conflict and social change.

---

**335 Sociology of the Black Community***3 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.

---

**336 Social Stratification***3 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.

---

### **338 Sociology of Racism**

*3 Semester Hours*

An exploration and examination of the interaction between the major ethnic and racial groups in the United States with emphasis on the current context, the social contact, intergroup conflicts and social changes affecting the various groups.

---

## **III. Urban, Population and Demographic Processes**

---

### **340 Urban Sociology**

*3 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.

---

### **341 Community**

*3 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.

---

### **342 Demography and Population Analysis**

*3 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.

---

### **348 Urban Anthropology**

*3 Semester Hours*

A comparative analysis of urban social relationships. Emphasis is directed to the use of ethnographic methodologies in understanding contemporary American urbanism and to the problems associated with pluralistic urban society.

---

### **448 Research in Urban Society**

*3 Semester Hours*

A course designed to understand urban sociology through a research immersion into industrial society and city life.

---

## **IV. Social Structure, Culture and Process**

---

### **350 American Society and Culture**

*3 Semester Hours*

An examination of the historical and contemporary relationships of the basic institutions of American society. Among the topics considered are: the distribution of economic resources, labor and business political processes, education, religion, community organization and lifestyles.

---

### **352 Political Sociology**

*3 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.

---

### **354 Social Organization**

*3 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.

---

### **355 Social Psychology**

*3 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, aggression and collective behavior.

---

### **356 Sociology of Law**

*3 Semester Hours*

Examination of the major social functions of law: providing historical continuity and doctrinal consistency to social life; facilitating voluntary arrangement; and resolving disputes and acute social conflicts.

---

**358 Medical Sociology***3 Semester Hours*

Development of the field of medical sociology, with emphasis on changing patterns in the health care and delivery systems, doctor-patient relationships, public health and the relationship between environment and health.

**359 Sociology of Popular Culture***3 Semester Hours*

The study of the artifacts of everyday life — newspapers, films, sports, music and such — as important sources of sociological knowledge.

**454 Religion, Culture and Society***3 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.

**V. Family and Life Cycle****361 Sociology of Marriage & Families***3 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 the families.

**362 Sociology of Children***3 Semester Hours*

A sociological study of the socialization of children into modern society; this will utilize a study from the point of view of the adult and from the point of view of the child; the impact of societal and cultural influences on childhood will also be examined.

**363 Concepts and Issues in Aging***3 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.

**367 Sociology of Adolescence***3 Semester Hours*

An examination of the adolescent social system with particular focus on the high school. Topics to be discussed: peer socializations, cliques and crowd formations, lifestyles, fads and fashions and implications of these social forces for various social institutions.

**VI. Globalization****370 Social Change***3 Semester Hours*

An examination of the social, economic and political sources of social change.

**371 Social Ecology***3 Semester Hours*

An analysis of the interaction and interrelationship of population, natural resources and environment as they affect social organization and place limits on life on the earth.

**373 Global Change***3 Semester Hours*

Explores the people, organizations and institutions behind the increasing global interdependence among nations of the world. It examines global social issues such as the movement of ideas, people and goods across borders, global cities, and the economy and the environment.

**374 Sociology of Africa***3 Semester Hours*

A study of the contemporary issues and crises of sub-Saharan Africa, including human conditions, revolutionary movements, neo-colonialism, urbanization, multinational intervention, and geo-political alliances.

**375 Hawaii and the Pacific Islands***3 Semester Hours*

Sociology of everyday life and social processes of the peoples of Hawaii and the Pacific areas of Polynesia, Melanesia and Micronesia.

**378 International Tourism***3 Semester Hours*

A survey of the social, cultural, economic and environmental elements of international tourism with special emphasis on the impacts of the expansion of tourism from the developed nation into the less developed realm. Modern trends in tourism, such as ecotourism, are analyzed for their potential costs-benefits and their implications for careers in the tourist industry.

---

**470 Sociology of Underdevelopment: Latin America***3 Semester Hours*

Taking a historical perspective, this concerns political economy of underdevelopment with a focus on the Latin American case. Capitalist penetration, political regimes and movements of resistance are examined. Theoretical and historical schema are provided to understand conflictive social reality of the Latin American region.

---

**VII. Special Areas**

---

**383 Sociology of Sport***3 Semester Hours*

An examination of the social nature of sport in society. Topics include the interrelation of culture and sport, the socialization of the athlete, sport and race, women and sport, the political economy of collegiate and professional sport and the social causes of violence in sport.

---

**385 Introduction to Archaeology***3 Semester Hours*

Considers the history and methods of archaeology and the field's significance today. It explores how archaeologists interpret data to assist in understanding how ancient societies functioned in their families, household activities, social strata and religious beliefs.

---

**386 Pre-Contact: Native Peoples of North America***3 Semester Hours*

A study of native peoples, primarily those north of Mexico from 10,000 B.C. through the present day. This will provide an opportunity to understand and appreciate native peoples' cultures, what they were like and what they are like now. The course addresses issues of cultural interaction between Native, European and African cultures.

---

**387 Contemporary Peoples of North America***3 Semester Hours*

An in-depth examination of native peoples of North America from the 16th century to the present day. Special emphasis is given to the late 20th century issues for native peoples (education, health, employment, etc.) and their interaction with Europeans, African-Americans and Hispanic peoples.

---

**388 Indians of the Southwest***3 Semester Hours*

Covers the area labeled the Greater Southwest including Arizona, New Mexico, West Texas, Colorado, Utah and Nevada. Prehistory, ethnology, precontact and contemporary situations are considered.

---

**398 Special Studies***1-3 Semester Hours*

---

**399 Independent Studies***1-3 Semester Hours*

---

**485 African American Social Thought***3 Semester Hours*

A survey of the development of African American social thought with special emphasis upon current philosophies which have influenced contemporary African American social movements.

---

**487 Directed Research in the Black Community***3 Semester Hours*

Individual research conducted under the supervision of a staff member.

---

**489 Directed Research in Sociology***3 Semester Hours*

Individual research and/or field work conducted under the supervision of a staff member.

Prerequisite: Approval of the instructor and chairman.

---

**498 Special Studies***1-3 Semester Hours*

---



---

**499 Independent Studies**

*1-3 Semester Hours*

---

# Theological Studies

## Faculty:

Chair: Thomas P. Rausch, S.J. (Chilton Chair)  
 Professors: Christopher Key Chapple, John A. Coleman, S.J. (Casassa Chair), John R. Connolly, Robert B. Lawton, S.J., Marie Anne Mayeski, Thomas P. Rausch, S.J., Herbert J. Ryan, S.J., Jeffrey S. Siker, Daniel L. Smith-Christopher, James J. Walter (O'Malley Chair)  
 Associate Professors: Douglas Burton-Christie, James L. Fredericks, Michael P. Horan, John R. Popiden, Louke van Wensveen  
 Assistant Professors: Anthea D. Butler, Felix Just, S.J., Jeffrey VanderWilt  
 Adjunct Professors: Wilkie Au, Allan Deck, S.J., Mary E. Milligan, R.S.H.M.

## Objectives:

The Department of Theological Studies makes an essential contribution to the mission of Loyola Marymount University through its teaching of theology and its investigation of the broader area of religious experience. Areas of study include biblical, historical, systematic and moral theology, world religions/comparative theology and pastoral studies, with special emphasis on the Roman Catholic theological tradition. The mission of the department includes the education of undergraduate and graduate students at Loyola Marymount, participation in the scholarly community of academic theology through presentations and publications and service to the church community.

### Major Requirements:

THST 100, 110. A grade of at least C (2.0) in each of these courses is required.

24 semester hours in upper division courses including:

- a) Biblical Theology:  
One course (301, 302, 304, 305, 310, 311, 314, 316, 415).
- b) Historical Theology:  
One course (320, 321, 322, 323, 324, 326, 328, 420, 425, 427).
- c) Systematic Theology:  
Two courses (330, 340, 341, 345, 346, 348, 350, 355, 430, 431, 435, 440, 450, 451, 455).
- d) Moral Theology:  
One course (360, 361, 363, 367, 368, 465, 470).
- e) World Religions:  
One course (381, 382, 383, 384, 385, 480).

- f) Seminar:  
Major Christian Thinkers (495).

Twelve of the 24 upper division semester hours must be at the 400 level.

An average grade of C (2.0) must be obtained in the courses included in the major.

We highly recommend that students wishing to pursue graduate study in Theology have a reading knowledge of two languages, either classical or modern.

We further recommend that additional philosophy courses be taken as early as possible. The specific courses are to be determined in conjunction with the major's Theological Studies advisor.

### Minor Requirements:

18 semester hours with at least 12 semester hours from upper division courses including six semester hours at the 400 level. The courses for the minor must be selected in conjunction with the Theological Studies advisor for minors.

## Lay Ministry Minor Requirements:

18 semester hours with at least 15 semester hours from upper division courses including six semester hours at the 400 level. The courses for the minor must be selected under the direction of the faculty advisor for the Lay Ministry Minor. The student must select at least one course from each of the following areas:

- a) Biblical Theology
- b) Systematic Theology
- c) Moral Theology
- d) Personal Growth and Spirituality
- e) Pastoral Aspects of Ministry

In addition, the student will be required to participate in 90 hours of active service in related fields of lay ministry. This will be under the direction of the faculty advisor and contracted through the Career Development office.

An average grade of C (2.0) must be obtained in the courses included in the minors.

## Core Curriculum in Theological Studies:

1 course from THST 100-199;

1 course from THST 300-399 (Prerequisite: Junior standing).

Only courses in the 100 series and 300 series will fulfill the core curriculum requirements. The 400 level courses may be taken to fulfill major or minor requirements or as electives. Except for those

entering LMU as a transfer student, no student may take a 300 level course without successful prior completion of a 100 level course.

For students interested in the study of Catholicism in the core curriculum, the Theological Studies Department offers three courses, THST 120, 326 and 345, which are designed to study the Catholic tradition. For the non-majors who wish a core sequence in Catholic Theology we recommend THST 120 and either 326 or 345.

## Lower Division

### 100 Introduction to the Old Testament

*3 Semester Hours*

A general introduction to the literary, historical and religious traditions of the Old Testament.

### 105 The Bible in American Cultures

*3 Semester Hours*

An exploration of contemporary American multicultural interpretations of the Bible in light of the multicultural worlds that gave rise to the biblical texts themselves.

### 110 Introduction to the New Testament

*3 Semester Hours*

An introduction to the literary, historical and theological dimensions of the New Testament.

### 120 The Roots of Catholic Christianity

*3 Semester Hours*

A study of the Biblical roots of Catholic Christianity based on a critical introduction to the New Testament.

### 130 Exploring Christian Faith

*3 Semester Hours*

A study of the ways in which Christians think about God, Christ, themselves, their scriptures and religious experiences.

### 150 Belief and Unbelief

*3 Semester Hours*

An examination of the various forms of unbelief, the meaning and significance of belief and the relationship between belief and unbelief.

### 160 Introduction to Christian Ethics

*3 Semester Hours*

An examination of ethical issues in light of Christian scriptures, traditions and experiences.

### 170 Christian Faith & American Cultures

*3 Semester Hours*

This course explores Christian faith in the diverse cultural context of the contemporary United States.

### 175 Narratives of Christian Faith

*3 Semester Hours*

A study of Christian faith as explored through narratives: a gospel, some saints' lives and the work of contemporary storytellers.

### 180 Religions of the World

*3 Semester Hours*

An introduction to the history, literature and thought patterns of the major religions of the world.

### 198 Special Studies

*1-3 Semester Hours*

### 199 Independent Studies

*1-3 Semester Hours*

### 270 Gospel Choir

*1 Semester Hour*

Students participating in LMU Gospel Choir enroll in this course.

## Biblical Theology

### 301 Ancient Futures

*3 Semester Hours*

This course explores the corpus of Wisdom and Apocalyptic literatures in the Bible and samples of other extant Wisdom and Apocalyptic writings both ancient and modern.

**302 Prophecy and Social Justice***3 Semester Hours*

An examination of the Hebrew prophets in the socio-economic and historical context, with particular emphasis on issues of justice. Some considerations of more recent "prophet" figures are included for comparison.

---

**304 War and Peace in the Bible***3 Semester Hours*

This course considers the development of Biblical and religious reflection on the issues of the Church, war, peace and Christian nonviolence up to the present.

---

**305 The Four Gospels***3 Semester Hours*

A social-historical, literary and theological examination of the Gospels and early Christian and modern interpretations of Jesus.

---

**310 The Gospel of John***3 Semester Hours*

An analysis of the interplay among the historical setting, literary development and theological motifs of the Fourth Gospel.

---

**311 Pauline Epistles***3 Semester Hours*

A study of the ministry and message of Paul presented in his letters, accounts in Acts and deuterio-Pauline epistles.

---

**314 Jesus in Gospel and Film***3 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.

---

**316 Revelation & Apocalyptic***3 Semester Hours*

A study of ancient apocalyptic writings, especially the Book of Revelation, in light of their social, historical, literary and religious contexts and their meaning and influence today.

---

**415 New Testament Theology***3 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.

---

**Historical Theology**

---

**320 History of Christianity I***3 Semester Hours*

Selected themes treating major problem areas in the history of Christian life and thought from its origins to the end of the high Middle Ages.

---

**321 History of Christianity II***3 Semester Hours*

Selected themes treating major problem areas in the history of Christian life and thought from the end of the high Middle Ages to the present.

---

**322 Greek Orthodox Tradition***3 Semester Hours*

A review of the unbroken dogmatic tradition of the Greek Orthodox Church, her liturgy and her place in the religious life of the United States.

---

**323 Celtic Christianity***3 Semester Hours*

An examination of the inculturation of Christianity into the Celtic worldview from the fifth to eleventh centuries, including Celtic monasticism, liturgy, literature, art and spirituality.

---

**324 Women in Christian History***3 Semester Hours*

An historical investigation of Christian theology of woman: what theologians said about women; what women said about themselves and what they accomplished.

---

**326 Catholicism: The American Experience***3 Semester Hours*

A study of the diverse experiences in U. S. Catholicism with emphasis on the theological implications of American Catholic responses to a pluralistic society.

---

---

**328 Age of Reformation***3 Semester Hours*

The religious, political and cultural upheaval of the protestant challenge to medieval Christendom and Catholic response.

Usually taught in Bonn, Germany.

---

**420 Patristics***3 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.

---

**425 Medieval Theology***3 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.

---

**427 Theology and History of Vatican II***3 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.

---

**Systematic Theology**

---

**330 What Is Faith in Jesus Christ***3 Semester Hours*

An analysis of past and present meanings of Christian faith in its relation to the person of Jesus Christ, the Church, doctrine and Christian life.

---

**341 Liturgy and Culture***3 Semester Hours*

A study of Christian worship examining the historical development of worship in its interaction with various cultures from ancient to modern.

---

**345 The Catholic Church of Today and Tomorrow***3 Semester Hours*

An examination of the post-Vatican II Catholic Church. How has the Church's self-understanding changed in recent years and what projections can be made for the future?

---

**346 The Latino Experience in the U.S. Church***3 Semester Hours*

A review of the Latino presence in the Catholic Church with emphasis on the historical experience, Latino popular religion and current trends and issues in Hispanic ministry and theology.

---

**348 African American Religious Experience***3 Semester Hours*

A survey of African American religious experience from the time of slavery to the present, emphasizing the role of faith in African American society and the role of the church in the struggle for equality.

---

**350 Foundations of Christian Spirituality***3 Semester Hours*

An analysis of themes central to Christian spirituality including prayer, the nature of religious experience, asceticism and the schools of spirituality. Essential to the analysis is an articulation of key doctrinal themes.

---

**355 After Eden***3 Semester Hours*

An exploration of the human person in relation to God.

---

**430 Christology***3 Semester Hours*

An investigation of the Christology of the New Testament, the early councils and contemporary issues in Christology.

---

**431 Rahner***3 Semester Hours*

A study of the life, context and theology of Karl Rahner.

---

**435 Eucharistic Theology***3 Semester Hours*

An in-depth study of the theology of the Eucharist from an ecumenical perspective, highlighting the teaching of the Roman Catholic Church.

---

**440 Pastoral Liturgy***3 Semester Hours*

A study of liturgy and pastoral practice, relating the ministerial practice of the students to a critical study of eucharist and liturgy of the hours.

---

**450 Topics in Christian Spirituality***3 Semester Hours*

A survey of key persons and movements in the history of Western Christian spirituality.

---

**451 Ignatian Spirituality***3 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.

---

**455 Theology of Liberation***3 Semester Hours*

A study of recent Latin American theology as a Christian response to current political, social and economic injustice in the Latin American countries.

---

**Moral and Practical Theology**

---

**360 Moral Issues and Christian Responses***3 Semester Hours*

An exploration of the issues involved in a variety of moral problems and a survey of present and past Christian responses to them.

---

**361 Christian Ethics in the Marketplace***3 Semester Hours*

An analysis and discussion of business ethics case studies in the light of Christian economic teachings.

---

**363 Christian Marriage and Sexuality***3 Semester Hours*

An examination of the varieties of Christian views of marriage and the full range of moral issues concerning human sexuality today.

---

**367 Christian Voices on War and Peace***3 Semester Hours*

An examination of Christian attitudes toward war and peace that address U.S. policies, during the twentieth century.

---

**368 Bioethics and Christian Morality***3 Semester Hours*

A theological and ethical study of bioethical topics, e.g., euthanasia, assisted reproductive technologies and human cloning, that confront contemporary society.

---

**374 Marriage and Contemporary Christianity***3 Semester Hours*

A study of the nature of marriage and the contemporary understanding of marital life from a Christian point of view. The problem of marriage in today's world.

---

**465 Moral Theology Today***3 Semester Hours*

A study of the developments and critical issues within Roman Catholic moral theology since 1940.

---

**470 Topics in Theological Ethics***3 Semester Hours*

An exploration of the history and methods of theological ethics with analysis of contemporary moral issues.

---

**World Religions**

---

**381 Contemporary Judaism and its Historical Background***3 Semester Hours*

An understanding of Jewish beliefs and practices, their Biblical and historical roots, their theological and cultural motivations.

Sponsored by the Jewish Chautauqua Society.

---

---

**382 Religions of India***3 Semester Hours*

An exploration of the cultural/historical background and theological insight of Hinduism and Jainism. Sikhism, Christianity and Islam in India are also discussed.

---

**383 Religions of the Near East***3 Semester Hours*

The history and doctrine of Islam, with special emphasis on Sufi mystical writings and/or Islamic interactions with Christians and Jews.

---

**384 Religions of East Asia***3 Semester Hours*

The history and development of Confucianism, Taoism, Tibetan and Zen Buddhism and Shinto, emphasizing primary textual sources. Islam and Christianity in East Asia will also be discussed.

---

**385 Buddhism***3 Semester Hours*

A survey of the history of Buddhism in India and Southeast Asia, China, Japan, Tibet and North America. Discussion of Buddhism's contributions to social ethics, ecological concern and dialogue with Christianity.

---

**480 Topics in Comparative Theology***3 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.

---

**Special Courses**

---

**398 Special Studies***1-3 Semester Hours*

---

**399 Independent Studies***1-3 Semester Hours*

---

**495 Seminar: Major Christian Thinker***3 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.

---

**497 Youth and Young Adult Ministry***3 Semester Hours*

The course examines the theory and practice of ministry to youth and young adults, emphasizing faith development, community building, justice and service education, advocacy and guidance of youth and young adults.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

# Urban Studies

## Director:

Peter R. Hoffman

## 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, socio-cultural 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.

Major Requirements:

Lower Division Requirements:

URBN 125, 135; AFAM 115, APAM 117, or CHST 116; PSYC 241, 242 or SOCL 109, 210.

A grade of C (2.0) will be required in all lower division major courses. It is recommended that students majoring in Urban Studies complete ECON 100, 110, or 120 in partial fulfillment of the University Core Curriculum requirement in social science.

Upper Division Requirements:

24 semester hours in upper division courses, including:

URBN 345, 455 and 456;

and 15 semester hours in one or more of the following areas:

## 1. Law and Justice:

POLS	370	The Judiciary
POLS	471	U.S. Constitutional Law: Case Method I
POLS	472	U.S. Constitutional Law: Case Method II
SOCL	322	Deviant Behavior
SOCL	356	Sociology of Law
SOCL	422	Criminal Justice
SOCL	423	Criminal Law
SOCL	424	Crime and Delinquency

## 2. Urban Politics, Public Administration and Policy Analysis:

CHST	337	Racial and Ethnic Politics
CHST	437	Chicano Politics
ECON	356	Urban Economics
POLS	335	Race, Class, Culture and Public Policy
POLS	340	Administration of Public Affairs
POLS	436	Politics of Los Angeles
POLS	440	Public Policy Analysis
SOCL	354	Social Organization

## 3. Urban Culture:

HIST	367	History of Los Angeles
SOCL	340	Urban Sociology
SOCL	341	Community
SOCL	348	Urban Anthropology
SOCL	448	Research in Urban Society
URBN	365	Metropolitan Los Angeles

## 4. Urban-Ethnic Communities:

AFAM	471	Violence in the Black Community
APAM	427	Asian American Psychology
CHST	485	Community Internship
ECON	371	Economic Development of Minority Communities
SOCL	334	Race and Ethnic Relations
SOCL	335	Sociology of the Black Community
SOCL	487	Directed Research in the Black Community

## 5. Urban Planning:

ECON	330	Intermediate Statistics
ECON	334	Business Forecasting
ECON	532	Econometrics
SOCL	342	Demography and Population Analysis



**SOCL 371 Social Ecology**

An average grade of C (2.0) must be obtained in the upper division courses included in the major.

**Minor Requirements:**

18 semester hours, including URBN 125, 135, 345, 455 and 6 semester hours in upper division courses selected from one or more of the areas of specialization.

An average grade of C (2.0) must be obtained in the courses included in the minor.

**125 Urban Physical Environment**

*3 Semester Hours*

An introduction to the physical-biotic and structural consequences of urbanization. The internal structure of contemporary cities in the industrialized realm is emphasized.

**135 Urban Social Environment**

*3 Semester Hours*

An introduction to the social, psychological and ethnic developments associated with urbanization and a pluralistic society. The nature of contemporary American urbanism is emphasized.

**298 Special Studies**

*1-3 Semester Hours*

**299 Independent Studies**

*1-3 Semester Hours*

**345 Urban Planning**

*3 Semester Hours*

An introduction to the problems, principles and practices of modern urban planning.

**365 Metropolitan Los Angeles**

*3 Semester Hours*

An introduction to the nature of contemporary urbanization as expressed in metropolitan Los Angeles. Physical and social geography of the urban region.

**455 Urban Internship**

*3 Semester Hours*

A supervised internship in public administration, social service, urban planning, or law enforcement. Individual assignments are made on the basis of the intern's academic preparation and career aspirations.

Prerequisite: Approval of the Program Director.

**456 Senior Project**

*3 Semester Hours*

Directed research and/or advanced internship work on a specific urban topic.

Prerequisites: URBN 455 and senior standing.

**498 Special Studies**

*1-3 Semester Hours*

**499 Independent Studies**

*1-3 Semester Hours*

# Women's Studies

## Faculty:

Director: Nancy W. Jabbra

Professor: Nancy W. Jabbra

## Objectives:

Women's Studies is an exciting new discipline which has been growing rapidly since its beginnings in the early 1970s when women, motivated by the second wave of the women's movement, began to appreciate in a new way their contributions to the world we live in. Women students across North America demanded Women's Studies courses and programs. Today, programs like ours at Loyola Marymount offer students the chance to learn about women's contributions in detail and become inspired by their own past, present and future.

The minor in Women's Studies complements a variety of majors in all four colleges. As its name suggests, its focus is on the experiences and accomplishments of the majority of the world's population. The program is organized on an interdisciplinary basis, utilizing the expertise of faculty members from many departments and covering a wide range of subjects dealing with various aspects of women's lives. The primary objectives of the program are threefold: academic learning and research, personal growth and social justice.

Students may also elect a concentration in Women's Studies through either the Humanities major or the Individualized Studies (Liberal Arts) major. See the Humanities director or the Women's Studies director for details.

## Minor Requirements:

18 semester hours, including WNST 100, 301 and 497. At least 12 semester hours must be in upper division courses. Students may include Women's Studies Special Studies courses as core classes in their minor programs even though these courses are not listed as such below. One may not, however, take the same or substantially the same such course more than once for credit. Consult the Director of Women's Studies for advice. Please note that cross-listed courses may have departmental prerequisites; consult departments for details. A minimum grade of C (2.0) must be earned in both WNST 100 and 497. An average grade of C (2.0) must be earned in the Women's Studies minor courses.

---

## 100 Introduction to Women's Studies

*3 Semester Hours*

An interdisciplinary study of women in society oriented toward exploring women's experiences in a variety of contexts. Topics covered include biology, sociology, psychology, politics, economics, religion, philosophy, history, literature and language, law and culture. Course content is focused on North America and is multicultural. Satisfies social science core requirement.

---

## 198 Special Studies

*1-3 Semester Hours*

---

## 199 Independent Studies

*1-3 Semester Hours*

---

## 208 Social Research Methods

*(See AFAM 208)*

---

## 221 Mathematics: Contributions By Women

*(See MATH 261)*

---

## 222 Human Reproduction and Development

*(See BIOL 271)*

---

## 247 Psychology of Gender Differences

*(See PSYC 222)*

---

## 248 Psychology of Women

*(see PSYC 223)*

---

## 298 Special Studies

*1-3 Semester Hours*

---

## 299 Independent Studies

*1-3 Semester Hours*

---

## 301 Feminist Theories

*3 Semester Hours*

Examination of the main currents of feminist thought. Includes precursors and major nineteenth century figures. Addresses early twentieth century and contemporary

---

theories and theorists in the context of other intellectual and social movements.

Prerequisite: Junior standing. Grade of C (2.0) or higher in WNST 100.

---

### **311 Gender Communication**

(See CMST 335)

---

### **330 Novels By Women: Three Cultural Views**

3 Semester Hours

A study of novels written by women representative of the African American, European American and Latina-Chicana experience. Central to the course is a concentration on the issues presented in this literature: gender roles, race and culture problems, empowerment and powerlessness, self identity and personal worth.

---

### **331 The Image of Woman in 19th Century England**

(See ENGL 342)

---

### **332 Twentieth-Century Women's Writing**

(See ENGL 343)

---

### **333 Latina Writers**

(See CHST 348)

---

### **341 Black Family Life**

(See AFAM 301)

---

### **342 Chicanas and Latinas in the U.S.**

(See CHST 302)

---

### **343 Sociology of Children**

(See SOCL 362)

---

### **344 Gender and Society**

(See SOCL 332)

---

### **345 Sociology of Marriage and Families**

(See SOCL 361)

---

### **346 Women in the Middle East**

3 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. Offered in Spring semester of even-numbered years.

---

### **349 Gender and Ethnicity**

3 Semester Hours

This course is an exploration of the ways in which gender, ethnicity and class intersect to shape individuals' life chances and experiences in the contemporary United States. The following areas will be emphasized: income and occupation, the justice system, social reputation and credibility, religion, education and health. Treatment of these topics will be analytical and comparative, focusing on the experiences of African Americans, Chicano-Latino-Americans and European-Americans. Satisfies American cultures core requirement.

Prerequisites: SOCL 100, SOCL 105 or WNST 100.

---

### **350 Psychology of Marriage**

(See PSYC 321)

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

---

### **361 Women in Christian History**

(See THST 324)

---

### **362 Women in European History**

(See HIST 335)

---

### **363 American Reform Movements**

(See HIST 351)

---

### **364 Women in Early American History**

(See HIST 355)

---

### **365 Women in Modern American History**

(See HIST 354)

**366 The American Family***(See HIST 356)*

---

**398 Special Studies***1-3 Semester Hours*

---

**399 Independent Studies***1-3 Semester Hours*

---

**411 Women in Film***(See FILM 473)*

---

**430 French/Francophone Women Writers***(See FREN 432)*

---

**431 Latin American Women Writers***(See SPAN 443)*

---

**432 Spanish Women Writers***(See SPAN 452)*

---

**433 Sex, Race and Violence***(See AFAM 435)*

---

**440 Asian Pacific American Women's Experience***(See APAM 435)*

---

**451 Women and Politics***(See POLS 438)*

---

**452 Cross-Cultural Gender Roles***3 Semester Hours*

Within a cross-cultural and cross-societal framework, gender roles are examined in relation to a central question: why does patriarchy exist? Case studies from the Americas, Europe, Africa, Asia and Oceania are examined in light of theories addressing the course's central question. Work, kinship, values, religion and politics are among the topics examined. Offered in Spring semester of odd-numbered years.

---

**453 Chicana and Third World Feminisms***(See CHST 404)*

---

**461 Women in Classical Antiquity***(See CLAS 452)*

---

**462 Women, Votes and Equal Rights***(see HIST 470)*

---

**490 Internship in Women's Studies***3 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. Offered only during the Fall semester.

---

**497 Senior Seminar in Women's Studies***3 Semester Hours*

Designed as a last course for students obtaining the Women's Studies minor. Stress is on the organization and integration of knowledge gained regarding women in society. Offered only during the Spring semester.

---

**498 Special Studies***1-3 Semester Hours*

---

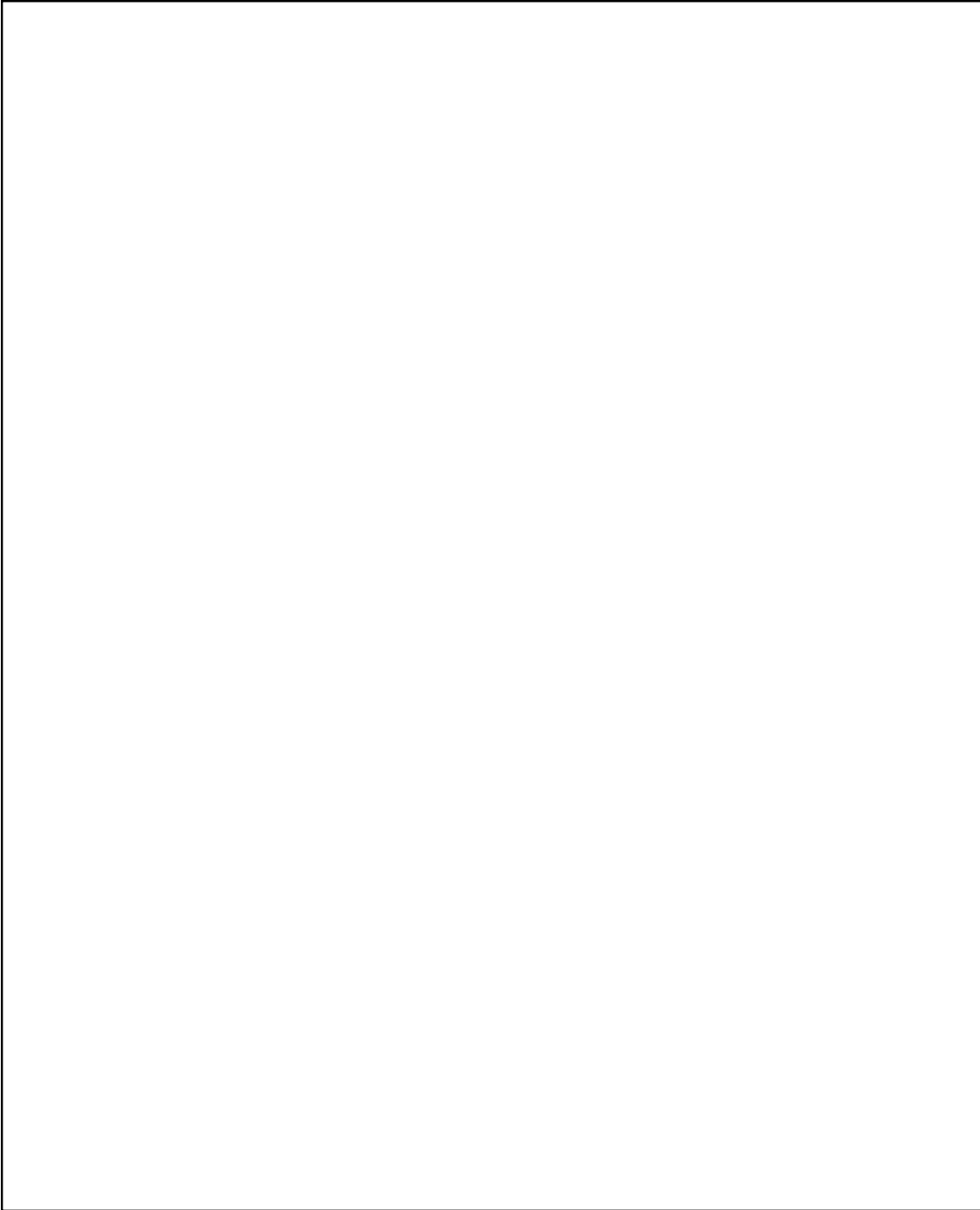
**499 Independent Studies***1-3 Semester Hours*

---



---

# College of Business Administration



# College of Business Administration

## Administration

Dean: John T. Wholihan  
 Associate Deans: George L. Hess (Undergraduate);  
 Rachele Katz (Graduate)  
 Directors: William Lindsey (Center for Executive Learning); John Daly, S.J. (Center for Asian Business); Thomas White (Center for Ethics and Business); TBA (Center for Tourism and Travel)

## Organization

The College has four departments and five Centers, each led by a Chairperson or Director. The Areas of Concentration within these units are designated by four letter codes.

- Department of Accounting (ACCT)
- Department of Finance and Computer Information Systems (FNCE), (ISQM)
- Department of Management (MGMT)
- Department of Marketing and Business Law (MRKT), (BLAW)
- Center for Asian Business
- Center for Entrepreneurship (courses are offered through the departments)
- Center for Ethics and Business (courses and activities are offered through the departments)
- Center for Executive Learning
- Center for Tourism (TOUR)

The College offers the Masters of Business Administration in different formats. The traditional MBA (MBAA) addresses the educational demands of fully employed persons who recognize the need to continue to build their careers. The MBA-International and MBA-Media are customized programs specifically for students from Asia. The Executive MBA (EMBA) is for the experienced business leader who aspires to executive level responsibility.

## Baccalaureate Degree Program

The College offers two Baccalaureate Degrees: Bachelor of Business Administration (B.B.A.) and the Bachelor of Science in Accounting (B.S.A.).

### The Vision and Mission of the College of Business Administration

The vision is to be recognized as the leading College of Business Administration in a Catholic University in the Western United States through our commitment to learning, values and research. The underlying theme is the development of ethical leaders for a diverse, technologically-driven, global economy. These statements confirm our commitment to the principles of continuous improvement.

The mission of the College is to continuously develop an environment in which all stakeholders learn and grow together and contribute to an understanding of:

- the global economy,
- the business theories and practices which explain its operations,
- the decision models and analytical frameworks for meeting ethical challenges,
- the importance and interdependence of people in the work environment,
- the technologies that stimulate change, and
- the skills and management tools needed to manage an enterprisesuccessfully.

The mission of the **undergraduate programs** is to:

- help students of high potential experience personal growth in the acquisition of knowledge in a broad range of subjects based on the University core curriculum and a strong business curriculum;

- help students develop technical, analytical and interpersonal skills and personal qualities and values to realize their potential as future leaders in a global economy; and

- graduate students who are able to demonstrate a depth of understanding in their primary field of interest.

## Core Curriculum for the Baccalaureate Degree in the College of Business Administration

### American Cultures

*3 Semester Hours*

#### Course Selection

First and second year students choose from any lower division course (100's or 200's) listed. Third and fourth year students choose from any upper division course (300's or 400's) listed. A single course will generally not fulfill two core requirements. The only exception is a course that satisfies another core requirement, which is also cross-listed as AMCS (please see the Associate Dean's Office for details).

**College Writing***3 Semester Hours*

## Course Selection

ENGL 110 or, if necessary, ENGL 112 will fulfill the college writing requirement. ENGL 100 will not fulfill the college writing requirement but is required of certain students based on their performance in the essay written in all ENGL 110 sections during the first week of classes. A minimum grade of C (2.0) is required in ENGL 110. All students who receive a grade of C- or lower must enroll in ENGL 112 as soon as possible. Those students who wish may retake ENGL 110 to raise their grades but only after they have successfully completed ENGL 112.

Choose: ENGL 110

---

**Communication***3 Semester Hours*

## Course Selection

Choose from CMST 100, 110, 130 or 140

---

**Critical and Creative Arts***6 Semester Hours*

## Course Selection

This requirement is satisfied by taking one course from Critical Arts and one course from Creative Arts.

## Critical Arts:

Choose from ANIM 100; ARHS 200, 201, 202, 321, 340, 345; DANC 281, 381; FILM 210, 314, 315; INDA 100; MUSC 102, 104, 303, 365; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349, 430.

## Creative Arts:

Choose from ANIM 120; ART 150, 151, 153, 278, 280, 350; DANC 163; ENGL 205, 311 (Prerequisite 201), 312 (Prerequisite 202); FILM 260; MUSC 105, 106; SCWR 220; or THEA 110.

**History***6 Semester Hours*

## Course Selection

This requirement is satisfied by taking one course from Western Civilization and one course from Contemporary Societies.

## Western Civilization:

Choose from HIST 100 or 101.

## Contemporary Societies:

Choose from HIST 152, 162, 172, 182, 192.

---

**Literature***3 Semester Hours*

## Course Selection

Prerequisite: Successful completion of college writing requirement.

Choose from CLAS 200, 210, 220; ENGL 130, 140, 150, 170; FNLT 180; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349, 430.

---

**Mathematics, Science and Technology***6 Semester Hours*

## Course Selection

Prerequisite: Success on the Mathematics Placement Examination or successful completion of MATH 101.

Students must complete Math 112. Math 111 is normally required as a prerequisite but may be waived if the student has a high enough score on the Mathematics Placement Examination. If waived, the student must complete a 3 semester hour non-business course.

Students must complete one 3 semester hour science and technology course. Courses ordinarily recommended to students majoring outside the College of Science and Engineering are those numbered 260-279 in each department within the College. Courses in this series are specifically designed for the non-major.

Choose from BIOL 260, 261, 262, 263, 264, 265, 271, 272, 275, 276; CHEM 260, 261, 262, 263, 264; ELEC 260, 265; MECH 260, 270, 275; NTLS 260, 270; PHYS 271, 272. Other Physical Science courses from the College of Science and Engineering may be used to satisfy this requirement with the approval of the Associate Dean's office of the College of Business Administration.

---



---

## Philosophy

6 Semester Hours

Course Selection  
Lower Division:

Choose PHIL 160. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempt from the lower division requirement. The College of Business Administration requires that PHIL 160 be replaced with a 3 unit non-business course.

Upper Division:

Choose either PHIL 320 or 330.

---

## Social Sciences

6 Semester Hours

Course Selection  
Choose ECON 120 and PSYC 100.

---

## Theological Studies

6 Semester Hours

Lower Division:

Choose from the 100 level series of THST courses. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempt from the lower division requirement. The College of Business Administration requires 100 level series of THST courses be replaced with a 3.0 unit non-business course.

Upper Division:

Choose from the 300 level series of THST courses only.

Note: International/Global Studies

The current core curriculum includes many courses dealing with international and global studies. All students are required to complete History 100 or 101, which deal with European culture. In addition, it is recommended that students take additional core courses that include the study of European cultures such as: ARHS 200, 201, 202; CLAS 200, 210, 220; DANC 281; FILM 314; FNLT 180; MUSC 102; THEA 240, 245, 331, 336, 341; THST 320, 322, 331.

To further augment the understanding of world cultures, it is recommended that students also choose at least one core course that includes the study of Africa, Asia, the Pacific, or Latin/Indigenous America. These core courses include: ARHS 321; DANC 381; HIST 172, 182; MUSC 303, 365; THEA 348; THST 180, 361, 382, 383, 384, 385.

## All College of Business Administration students should be alert to the following policies:

Students on academic probation can enroll in a maximum of 15.0 semester hours and will need to have their Advisor Hold removed prior to registration by their academic advisors.

Certain courses must be taken in residence at LMU. Upper division business courses may only be transferred from AACSB accredited institutions.

Transfer course approvals must be obtained from the Associate Dean's office prior to enrollment.

Three (3) semester hours of credit for approved internships may be counted as part of an Area of Concentration. Credits for approved internships beyond three hours will be counted as free electives.

## Recommendations:

Students are encouraged to enrich their program of study with selected electives from the following areas. Consult the bulletin for specific offerings.

## 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, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, Spanish, and Tagalog 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

The B.B.A. degree program requires a minimum of 120 semester hours and the B.S.A. degree program requires a minimum of 126 hours, including the prescribed business administration core courses and those listed above. A minimum of 45 semester hours must be from upper division course offerings.

Students should consult the Dean's office for specific policies applicable to the College of Business Administration.

All courses are 3 semester hours unless otherwise stated.

---

# Business Administration

## Curriculum

The courses within the two degree programs (Bachelor of Business Administration and Bachelor of Science in Accounting) are categorized in six groups:

	<b>B.B.A.</b>	<b>B.S.A.</b>
	<b>S.H.</b>	<b>S.H.</b>
A. University Core Curriculum .....	45	45
B. Business/Econ Core Requirement	45	45
C. Math/Science Requirement .....	6	6
D. Business Concentration Courses and/or Accounting .....	9	24
E. Non-business electives .....	6	6
F. Free Electives .....	9	—
<b>Total .....</b>	<b>120</b>	<b>126</b>

The specific courses in the two curricula are as follows:

- A. University Core Curriculum
- B. Business/Economics Core Requirements:
- ACCT 211 Essentials of Accounting I
  - ACCT 212 Essentials of Accounting II
  - BLAW 205 Legal Environment of Business
  - ECON 110 Introductory Microeconomics
  - ECON 120 Introductory Macroeconomics
  - ECON 230 Introductory Statistics
  - FNCE 325 Financial Planning and Control
  - INBA 340 International Business
  - ISQM 275 Computers in Business
  - ISQM 370 Management Information Systems
  - ISQM 377 Production Operations Analysis
  - MGMT 355 Principles of Management and Organizational Behavior
  - MRKT 365 Principles of Marketing
  - MGMT 405 Business as an Institution in Society
  - MGMT 409 Management Policy

B.B.A. majors are required to take MGMT 335: Human Resources Management.

Accounting majors are required to take BLAW 301: Business Law Applications and Cases.

- C. Math/Science Requirement
- D. Applied Concentration Courses in Business Administration: Students will select a minimum of three courses for the B.B.A. degree in consultation with their academic advisors, based on their personal and career objectives. It is the intention of the College that a wide latitude be allowed the student in the selection of these courses. They may be selected in any combination from the six different areas, or from a group of courses which would constitute an area of concentrated study. Recommended combinations of courses for the various areas are listed below. Students pursuing

the B.S. in Accounting degree are required to take 24 semester hours (6 courses) in Accounting beyond ACCT 211 and ACCT 212.

The Applied Concentration Courses are:

## Business Law

BLAW 301	Business Law Applications and Cases
BLAW 404	Employment Law
BLAW 408	Real Estate Law
BLAW 412	Tax Law and Planning
BLAW 447	International Business Law
BLAW 462	Entertainment Law
BLAW 473	Marketing Law

## Finance

FNCE 381	Internship (1 semester hour)
FNCE 426	Investments
FNCE 427	Financial Policy
FNCE 428	Real Estate Finance and Investments
FNCE 429	Capital Markets
FNCE 442	Multinationals and the Third World
FNCE 443	International Investments
FNCE 448	International Finance
FNCE 491	International Finance Elective

## Computer Information Systems and Operations Management

ISQM 381	Internship (1 semester hour)
ISQM 471	Database Management Systems
ISQM 472	Information Systems Analysis and Design
ISQM 473	Business Data Communications and Networks
ISQM 474	Management Support Systems
ISQM 476	PC-Based Decision Support Modelling
ISQM 477	Total Quality Management
ISQM 478	Electronic Commerce

## International Business

BLAW 447	International Business Law
FNCE 442	Multinationals and the Third World
FNCE 443	International Investments
FNCE 448	International Finance
FNCE 491	International Finance Elective

INBA	381	Internship (1 semester hour)
MGMT	440	International Management
MGMT	441	International Entrepreneurship
MGMT	451	Bus Practices in a Global Context
MGMT	491	International Management Elective
MRKT	445	International Marketing
MRKT	446	International Negotiations
MRKT	447	International Business Law
MRKT	451	Bus Practices in a Global Context
MRKT	491	International Marketing Elective

## Management/Human Resources

MGMT	381	Internship (1 semester hour)
MGMT	435	Employee and Labor Relations
MGMT	436	Training and Development
MGMT	437	Professional Development Practicum
MGMT	440	International Management
MGMT	441	International Entrepreneurship
MGMT	449	Doing Business with East Asia
MGMT	457	Entrepreneurship
MGMT	458	Small Business Management
MGMT	459	Management Communications
MGMT	491	International Management Elective

## Marketing

MRKT	445	International Marketing
MRKT	446	International Negotiations
MRKT	447	International Business Law
MRKT	451	Business Practices in a Global Context
MRKT	461	E-Commerce Marketing
MRKT	462	Perspectives on Consumption
MRKT	463	Entertainment Marketing
MRKT	464	International Logistics
MRKT	465	Marketing Promotional Strategy
MRKT	466	Sports Marketing
MRKT	467	Marketing Research
MRKT	469	Consumer Behavior
MRKT	471	Retail Management
MRKT	472	Sales Management
MRKT	473	Marketing Law
MRKT	474	Competitive Strategy
MRKT	475	Marketing Planning
MRKT	476	Entrepreneurial and Small Business Marketing

MRKT	477	Brand Management
MRKT	491	International Marketing Elective

## Tourism and Travel

TOUR	380	Tourism Systems
TOUR	381	Internship (1 semester hour)
TOUR	382	Tourism Policy, Planning and Development
TOUR	383	Information Technology in Tourism
TOUR	482	Tourism Industry Marketing
TOUR	483	Human Resources in Tourism and Travel
TOUR	484	Financial Management in Tourism and Travel

E. Non-Business Electives: six semester hours in this category are required for either the B.B.A. Degree or the B.S.A. Degree. These may include courses from any college of the University except Business Administration. Courses may be selected from the entire list of University offerings, but students must be sure they have met all prerequisites in each case.

Lower division courses are acceptable for students to take in their junior or senior years, provided that they complete a minimum of 45 semester hours of upper division course work.

Agreements are in place with a number of the departments in the University under which students may take all or most of their non-business and free electives in a single area. By using a planned sequence of recommended courses and, in some cases, by taking extra courses, it is possible for a student to complete a minor area of study and, in a few cases, even a second major. It is recommended that each student consider this possibility in terms of career and personal objectives.

F. Free Electives: Students in the B.B.A. program have 9 semester hours of electives that may be taken from any college within the University, including Business.

## Special Note:

The purpose of the above listing is simply to indicate the overall structure of the two 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 sequence of courses is shown in the following curriculum sections.

## Transfer Credit

Lower division courses in business and economics which may be accepted include the equivalents of the following Loyola Marymount courses:

ACCT 211	Essentials of Accounting I
ACCT 212	Essentials of Accounting II
BLAW 205	Legal Environment of Business
ECON 110	Introductory Microeconomics
ECON 120	Introductory Macroeconomics
ECON 230	Introductory Statistics
ISQM 275	Computers in Business

The following policies apply to all work transferred to the College of Business Administration at Loyola Marymount whether from a two-year or a four-year school. The College can accept only those business and economics courses which are reasonably equivalent and at the same level of instruction as courses offered by Loyola Marymount. Thus, a course that Loyola Marymount offers at the junior level (courses numbered 300 and above) but that is taken by a transfer student at the sophomore level at a previous school cannot be accepted for credit. Such courses can be recognized only if the student takes the appropriate examinations after admission to the College (see Credit by Examination). Furthermore, all transfer courses must be taken for a letter grade and the student must receive a grade of C (2.0) or higher in order to obtain transfer credit.

Upper division business courses may only be transferred from a four year AACSB accredited institution.

A student must have completed a course in Calculus or the equivalent of Math 112 (Math Analysis for Business II) with a grade of C (2.0) or higher in order to transfer into the College of Business Administration.

## Bachelor of Business Administration 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. degree.

### Freshman Year

#### Fall Term

ECON	110	Introductory Microeconomics
ENGL	110	College Writing
HIST	1__	Western Traditions HIST 100 or 101
MATH	111	Math Analysis for Business I
THST	1__	Lower Division THST

#### Spring Term

ECON	120	Introductory Macroeconomics
ENGL	___	Literature (See Core Curriculum)
HIST	___	History 152, 162, 172, 182, or 192
MATH	112	Mathematical Analysis for Business II
PHIL	160	Philosophy of Human Nature

### Sophomore Year

#### Fall Term

ACCT	211	Essentials of Accounting I
BLAW	205	Legal Environment of Business
ECON	230	Introductory Statistics
PSYC	100	General Psychology
SCTC	___	Science (See Core Curriculum)

#### Spring Term

ACCT	212	Essentials of Accounting II
ISQM	275	Computers in Business
CMST	___	Communications (See Core Curriculum)
Elective	___	Critical Arts (See Core Curriculum)
Elective	___	Creative Arts (See Core Curriculum)

### Junior Year

#### Fall Term

FNCE	325	Financial Planning and Control
MGMT	355	Principles of Management and Organizational Behavior
MRKT	365	Principles of Marketing
THST	3__	Upper Division Theology
INBA	340	Introduction to International Business

#### Spring Term

MGMT	335	Human Resources Management
ISQM	377	Production Operations Analysis
ISQM	370	Management Information Systems
PHIL	320	Ethics (or PHIL 330)
AMCS	___	American Cultures (3 semester hours)

### Senior Year

#### Fall Term

MGMT	405	Business as an Institution in Society
Elective	___	Applied Concentration Course (Advanced Business Elective)
Elective	___	Applied Concentration Course (Advanced Business Elective)
Elective	___	Non-Business Elective (3 semester hours)
Elective	___	Free Elective (3 semester hours)

*Spring Term*

MGMT	409	Management Policy
Elective	___	Applied Concentration Course (Advanced Business Elective)
Elective	___	Non-Business Elective
Elective	___	Free Elective (3 semester hours)
Elective	___	Free Elective (3 semester hours)

## Business Administration Minor Requirements

The minor in Business Administration consists of 18 semester hours. Required courses are ACCT 211, ECON 110 (or 100), MRKT 365, and MGMT 355. The remaining two courses, 6 semester hours, must be upper division. Upper division business courses may only be transferred from AACSB accredited institutions. A minimum cumulative GPA of C (2.0) must be earned in the minor area. This minor is open to Non-Business majors.

## Hispanic Business Studies Minor

In recognition of the growing number of Spanish-speaking people in the United States and the world as well as the potential business opportunities they represent, the College of Business Administration has implemented a minor in Hispanic Business Studies. This minor requires that three of the courses be in Spanish language and three in Hispanic culture. The courses in this minor are selected in consultation with the Associate Dean of Business Administration. This minor is available to Business Administration and Accounting majors only. A minimum cumulative GPA of C (2.0) must be earned in the minor area.

## Bachelor of Science in Accounting Curriculum

The first two years of the program are identical to the Bachelor of Business Administration Curriculum. All 300- and 400-level accounting courses must be taken in residence at Loyola Marymount University.

## Junior Year

*Fall Term*

ACCT	311	Intermediate Accounting I
FNCE	325	Financial Planning and Control
MRKT	365	Principles of Marketing
ISQM	377	Production Operations Analysis
THST	3__	Upper Division Theology

*Spring Term*

ACCT	312	Intermediate Accounting II
ACCT	313	Cost Accounting
MGMT	355	Principles of Management and Organizational Behavior
PHIL	320	Ethics (or PHIL 330)
AMCS	___	American Cultures (3 semester hours)

## Senior Year

*Fall Term*

ISQM	370	Management Information Systems
MGMT	405	Business as an Institution in Society
ACCT	411	Advanced Accounting
ACCT	416	Auditing
INBA	340	Introduction to International Business

*Spring Term*

MGMT	409	Management Policy
ACCT	412	Income Tax Accounting
N/B	___	Non Business Elective (3 semester hours)
BLAW	301	Business Law Applications and Cases
N/B	___	Non Business Elective (3 semester hours)

### Accounting Minor Requirements:

ACCT 211, 212, 311, 313 and 412. All upper division Accounting courses must be taken in residence. A minimum cumulative GPA of C (2.0) must be earned in the minor area.

# Accounting

## Faculty:

Chairperson: Alan Cherry  
 Professors: Ross Bengel, Alan Cherry, Frank Daroca,  
 George Dasaro, Alan Falcon, Mahmoud Nourayi  
 Assistant Professors: Patricia Douglas, Sudha Krishnan

## Objectives:

The Bachelor of Science in Accounting degree program is designed to prepare students for a career in public, corporate, or governmental accounting. Students will learn the basic definitions, concepts, and techniques of accounting as well as the role accounting plays in society.

## Major Requirements:

Lower Division Requirements:

ACCT 211, 212; ISQM 275; BLAW 205; ECON 110, 120, 230; MATH 111, 112.

Upper Division Requirements:

ACCT 311, 312, 313, 411, 412, 416; BLAW 301; MRKT 365; FNCE 325; ISQM 370, 377; MGMT 355, 405, 409; INBA 340. All upper division accounting courses must be taken in residence at LMU. A cumulative grade point average (GPA) of 2.0 must be achieved in the major requirements (all business, economics, and math courses).

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 Accounting major courses: 311, 312, 313, 411, 412, and 416.

# Accounting

## 211 Financial Accounting

*3.0 Semester Hours*

An introduction to the basic concepts and techniques of financial accounting, including the accounting cycle and financial statement preparation. Uses and limitations of the balance sheet, income statement and statement of cash flows will also be studied.

## 212 Managerial Accounting

*3.0 Semester Hours*

Continuing the study of financial accounting begun in ACCT 211, followed by an introduction to managerial accounting, including cost analysis and budgeting. In addition, operational and financial information for planning, control and decision-making will be studied.

Prerequisite: ACCT 211

## 311 Intermediate Accounting I

*4 Semester Hours*

The beginning of the in-depth study of financial accounting. Topics covered include the conceptual framework, financial statement preparation, and accounting for various assets. Additional topics include accounting standards and procedures applicable to cash, notes and accounts receivables, inventories and current liabilities and contingencies.

Prerequisites: ACCT 212, ISQM 275

## 312 Intermediate Accounting II

*4 Semester Hours*

The conceptual and procedural aspects of some of the more complex topics of financial accounting are studied. Topics include long-term debt, leases, pensions, error correction, and the statement of cash flows.

Prerequisite: ACCT 311 with a minimum grade of C- (1.7)

Accounting majors only except, by permission of instructor.

## 313 Cost Accounting

*4 Semester Hours*

Continuing the study of the managerial uses of cost data begun in ACCT 212. The procedural aspects will be considered as they relate to ACCT 212 concepts. Allocation approaches will be discussed. The conceptual aspect will be enhanced to include resource management and performance evaluation.

Prerequisites: ACCT 212, ISQM 275

## 411 Advanced Accounting

*4 Semester Hours*

The completion of the undergraduate study of financial accounting. Much of the course is devoted to consolidated financial statements. Other topics studied include partnerships, not-for-profit accounting, foreign currency

transactions, translation of financial statements of foreign subsidiaries and hedging risk.

Prerequisite: ACCT 312

Accounting majors only, except by permission of instructor.

---

### **412 Income Tax Accounting**

*4 Semester Hours*

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.

Prerequisite: ACCT 311

---

### **416 Auditing**

*4 Semester Hours*

The study of procedures used by public accountants and internal auditors for the verification of financial records. Ethical, legal and other aspects of the auditor's work are included.

Prerequisites: ACCT 312, 313; ECON 230

Accounting majors only, except by permission of instructor.

---

# Finance, Computer Information Systems and Operations Management

## Faculty:

Chairperson: Richard J. Perle  
 Professors: Benjamin Bobo, Kwaku Ewusi-Mensah, Rachelle Katz, Christopher A. Manning, Richard J. Perle, Zbigniew H. Przasnyski, Lawrence S. Tai  
 Associate Professors: Allen Gray, Charles J. Higgins, Linda A. Leon, Kala Chand Seal  
 Assistant Professors: Dolphy Abraham, Steven L. Beach, Robbie Nakatsu  
 Clinical Professor: Donald DePamphilis

## Objectives:

The Bachelor of Business Administration Degree with an emphasis on finance prepares students for careers in the private and public sectors. Students develop skills in the application of concepts and techniques essential to financial planning, investments, and corporate planning.

The computer information systems and operations management emphasis involve 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.

## Finance

### 325 Financial Planning and Control 3.0 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 212; ECON 110, 120, 230; MATH 112

### 381 Internship 3.0 Semester Hours

The objective of this one semester hour course is to help the student achieve a worthwhile learning experience that is relevant to the program of study in the student's major or area of emphasis. 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.

### 426 Investments 3.0 Semester Hours

Topics to be discussed include sources of, and demand for, investment capital; determination of investment policy; and current procedures for the analysis of securities. Financial instruments examined include futures contracts, options and convertibles.

Prerequisite: FNCE 325

### 427 Financial Policy 3.0 Semester Hours

Use of cases and journal articles to analyze financial problems and policies of business as well as investment issues related to discounted cash flow, securities valuation, cost of capital, capital budgeting, and mergers and acquisitions. Focus also includes capital structure policy, dividend policy, and working capital management.

Prerequisite: FNCE 325

### 428 Real Estate Finance and Investments 3.0 Semester Hours

Financial modeling and analysis of real estate investment opportunities to include financing strategy, risk analysis, taxation, market area supply and demand analysis by property type, as well as evaluating alternative financing instruments in both primary and secondary markets.

Prerequisite: FNCE 325

### 429 Capital Markets 3.0 Semester Hours

Examines the development, regulation and management of each of the financial institutions and markets. The activities of these institutions and government and individuals in the markets are then studied.

Prerequisite: FNCE 325



---

**442 Multinationals and the Third World***3.0 Semester Hours*

This course examines business activity by multinational corporations in Third World countries. It focuses on conventional theory of multinational enterprises, financing decisions, technology transfer, institutional arrangements, entry strategy and options, host country bargaining power, settlement of investment disputes, workplace protection and safety ethics, and case studies of Third World countries.

Prerequisite: FNCE 325; INBA 340

---

**443 International Investments***3.0 Semester Hours*

This course examines the international financial markets that multinational corporations, government agencies, and banks use in conducting their business. The international financial markets include the foreign exchange, the Eurocurrency and related money markets, the Eurobond and global equity markets, and commodity markets, and the markets for forward contracts, options, swaps and other derivatives.

Prerequisite: FNCE 325

---

**448 International Finance***3.0 Semester Hours*

Theories of international trade will be introduced as well as international business finance and its environment. Additional topics to be examined include risk and the foreign investment decision, institutions and instruments of international finance.

Prerequisite: FNCE 325

---

# Computer Information Systems and Operations Management

---

**275 Computers in Business***3.0 Semester Hours*

An introduction to computers and related technologies, including basic computer concepts and terminology and

hands-on experience in use of spreadsheets, programming language and data base applications. In addition, an introduction to the role of IS in business organizations will be discussed.

Prerequisite: MATH 111 or 112, or permission of instructor

---

**370 Management Information Systems***3.0 Semester Hours*

This course stresses the role of managers in the analysis, design, development, implementation, maintenance and control of information systems as shared corporate resources. This course also stresses the critical role of IS in business organizations.

Prerequisite: ISQM 275

---

**377 Production Operations Analysis***3.0 Semester Hours*

This course will introduce students to decision making; forecasting, capacity, layout, aggregate, and material planning; inventory; scheduling; simulation and quality assurance; with computer applications.

Prerequisites: ISQM 275; ECON 110, 230; MATH 112

---

**381 Internship***3.0 Semester Hours*

The objective of this one semester hour course is to help students achieve a worthwhile learning experience that is relevant to the program of study in the student's major or area of emphasis. 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.

---

**471 Database Management Systems***3.0 Semester Hours*

An introduction to the concepts of database systems. It deals with technical and managerial issues involved in the analysis and design of databases. The ER model and logical data models such as the relational, network and hierarchical are discussed. Concepts of object-oriented and distributed databases are also discussed.

Prerequisite: ISQM 370, or consent of instructor

---

---

**472 Information Systems Analysis and Design***3.0 Semester Hours*

A rigorous approach to information analysis essential to information systems design. Emphasizes the formalization of the information systems design process and explores relevant state-of-the-art techniques.

Prerequisite: ISQM 370, or consent of instructor

---

**473 Business Data Communications and Networks***3.0 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: ISQM 370, or consent of instructor

---

**474 Management Support Systems***3.0 Semester Hours*

Examines the concepts and techniques associated with decision support systems, executive information systems and expert systems. The course focuses on the specification, design and implementation of DSS, EIS and ES in organizations for solving real-world business problems.

Prerequisite: ISQM 370, or consent of instructor

---

**476 PC-Based Decision Support Modeling***3.0 Semester Hours*

Explores the potential of personal computer spreadsheet models as a medium for providing strategic information to managers. Emphasizes how database modelling, risk analysis, LP and forecasting can be performed and integrated in the spreadsheet environment.

Prerequisite: ISQM 377, or consent of instructor

---

**477 Total Quality Management***3.0 Semester Hours*

Reviews the contributions of notable professionals in the TQM movement: Deming, Juran, Crosby and Taguchi. Tools for planning and improving quality are examined and demonstrated. Finally, TQM procedures such as SPC and D

of E are studied. Software packages are employed. Relevant statistical methods will be reviewed.

Prerequisite: ISQM 377, or consent of instructor

---

**478 Electronic Commerce***3.0 Semester Hours*

A focused study of how to plan, analyze, design, develop and implement information systems to support business activity via electronic mediums, such as the Internet. Also includes an assessment of current business and technology factors that impact such business activity.

Prerequisite: ISQM 370

---

**498 Special Studies***1-4 Semester Hours***499 Independent Studies***1-4 Semester Hours*

---

# Management

## Faculty:

Chairperson: Edmund Gray  
 Professors: Jeffrey Gale, Edmund Gray, George Hess,  
 Fred Kiesner, David Mathison, Peter Ring, H. Daniel  
 Stage, Charles Vance, John Wholihan  
 Associate Professors: Yongsun Paik, Anatoly Zhuplev  
 Assistant Professors: Ellen Ensher, Cathleen McGrath

## Objectives:

Management is the leading, planning, and organizing core of business as it faces the challenges of the 21st century. In studying management, the student will focus on practical skills, ethical issues, and management theory necessary to succeed in our diverse global economy. The department offers, essentially, two types of courses: general knowledge courses and specialized courses. General knowledge courses are required of all business majors. The specialized courses, conversely, are elected by majors and minors who wish to gain specialized training in specific areas of management.

# Management

## 101 Your Future in Business

*3.0 Semester Hours*

Examines the major business disciplines and exciting career opportunities in today's organizations - large and small, profit and non-profit, domestic and global. This course also provides a valuable introduction to important skills and campus resources that contribute to success, both now and in the future.

Open to all majors

## 335 Human Resources Management

*3.0 Semester Hours*

Examines critical issues and concepts for managing resources in organizations, including human resource planning, staffing, training, performance evaluation, compensation, discipline, labor relations, and employment law. Special attention is paid to career development.

## 355 Principles of Management and Organizational Behavior

*3.0 Semester Hours*

Provides a foundation of important concepts and principles for managing organizations effectively by understanding how groups and individuals function within organizations. The critical functions of planning, organizing, directing, and controlling and basic concepts of organizational behavior will also be examined.

## 381 Internship

*3.0 Semester Hours*

The objective of this one semester hour course is to help the student achieve a worthwhile learning experience which is relevant to the program of study in the student's major or area of emphasis. The internship, conducted with an off-campus operating organization, will help the student gain insights relative to his/her strengths and weaknesses in the job environment.

## 405 Business as an Institution in Society

*3.0 Semester Hours*

A practical course that focuses on the social, economic and political implications of modern business in society. Social responsibilities and managerial ethics faced by practicing managers are stressed.

Must be taken in residence at LMU.

## 409 Management Policy

*3.0 Semester Hours*

An integrating course dealing with the problems of general management, using cases, simulation, and field study for analysis and decision-making practice. Issues related to business and corporate-level strategies will be stressed.

Must be taken in residence at LMU with senior standing. Business Administration and Accounting majors only.

Prerequisites: MGMT 355, MRKT 365; FNCE 325; ISQM 377.

**435 Employee and Labor Relations***3.0 Semester Hours*

Focuses on developing students' knowledge and skills in key areas such as managing employee performance, analyzing real-world cases, and balancing competing interests within union and non-union environments. Students will learn to write performance appraisals, lead a coaching and counseling discussion, practice collective bargaining negotiation techniques and design an employee relations simulation.

Prerequisite: MGMT 335

---

**436 Training and Development***3.0 Semester Hours*

Important concepts and skills for developing human performance in organizations through training needs assessment, design and development, and evaluation. Stresses current methods and approaches for effective employee training and management development.

---

**437 Professional Development Practicum***3.0 Semester Hours*

A highly individualized course combining a minimum of 100 hours of reflective current work experience (e.g., internship) with career development tests, measures, models and exercises. Each student develops an extensive career analysis and development plan.

---

**440 International Management***3.0 Semester Hours*

Management of the cultural, financial, and political differences of multinational organizations.

Prerequisite: MGMT 355

---

**441 International Entrepreneurship***3.0 Semester Hours*

Focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing in multicultural business environments. Includes a feasibility study of an international small business venture start up, case study and experiential learning.

Prerequisite: MGMT 355

---

**449 Doing Business with East Asia***3.0 Semester Hours*

This course introduces students to the vital business environments of East Asia. Students study the political, economic, and socio-cultural influences on business and the historical background of the region.

Prerequisite: INBA 340

---

**451 Business Practices in a Global Context***3.0 Semester Hours*

This course, through an extensive program of speakers and site visits in a foreign setting, provides a broad exposure to several important environments affecting international business markets and practices, including technical, political, social, and economic environments. Taught on site as part of the Study Abroad Programs.

---

**456 Behavioral Science in Management***3.0 Semester Hours*

In-depth study of the application of concepts in leadership, motivation and decision-making and how these are applied to problems faced by managers.

Prerequisite: MGMT 355

---

**457 Entrepreneurship***3.0 Semester Hours*

Provides an overall understanding of entrepreneurship and small business management. Emphasis placed on the development of a business plan and application of the proper methods, techniques and skills needed for developing a new venture.

Prerequisites: MGMT 355; MRKT 365

---

**458 Small Business Management***3.0 Semester Hours*

An integrative course combining skills in all business disciplines. The focus is on the identification and analysis of operating problems confronting the small business manager.

Prerequisites: MGMT 355; MRKT 365

---

---

**459 Leadership***3.0 Semester Hours*

Focuses on the role of leadership and leaders in organizations. Principal topics include sources and uses of power, leadership traits, leadership styles and behaviors, contingency theories, charisma, transformational leadership, team leadership, strategic leadership, and the development of leaders. Lectures, discussions, case studies, videos, experimental exercises, and field research.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

---

# International Business

---

**340 Introduction to International Business***3.0 Semester Hours*

This course will introduce students to the international business environments: political, economic, financial and socio-cultural. As the global economy becomes closely integrated, the need for understanding its driving forces as well as its impacts on the domestic economy becomes critical. To help students prepare for this challenge, areas such as international trade and investment policies, cross-cultural differences, foreign exchange market, and business strategies in manufacturing, marketing and human resources will be examined.

---

**440 International Management***3.0 Semester Hours*

This course will examine various managerial issues facing multinational companies operating in international business environments. Building upon the comprehensive understanding of the global economy, students will study various factors that affect the success of global business. These include the extent of globalization strategy, organization structure, mode of entry and control, managing government intervention, human resource management practices, ethics and social responsibility.

Prerequisite: MGMT 355

---

# Marketing and Business Law

## Faculty:

Co-Chairperson: Renee Florsheim  
Co-Chairperson: Arthur Gross-Schaefer  
Professors: Arthur Gross-Schaefer, Gary P. Sibeck  
Associate Professors: Renee Florsheim, Ralph L. Quinones, Raymond C. Rody, Robert D. Winsor

## Objectives:

Marketing focuses on activities that facilitate exchange between individuals and organizations. It prepares students for careers in marketing research, sales and sales management, marketing management, retailing and advertising, all of which can serve as good career paths leading to top-level positions in general management in all types of organizations and industries.

Business Law courses introduce students to the legal environment of business. A focus in Business Law will prepare students for the fundamental legal challenges that affect all aspects of business including: Marketing, Management, Human Resources Management, Accounting, International Business and Entrepreneurship. The courses offered within Business Law will take an in-depth look into the different realms of business activity and will serve as an excellent foundation to help students protect their future legal interests.

---

## Business Law

---

### **205 Legal Environment of Business**

*3.0 Semester Hours*

The nature, formation, and application of the law; law and the business environment; law and society; the social significance of law; the judicial system. This core requirement of Business Administration majors will give students a solid introduction to the legal aspects of a business relationship.

---

### **301 Business Law Applications and Cases**

*3.0 Semester Hours*

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 205

---

### **381 Internship**

*3.0 Semester Hours*

The objective of this one semester hour course is to help the student achieve a worthwhile learning experience, that is relevant to the program of study in the student's major or area of emphasis. 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.

---

### **404 Employment Law**

*3.0 Semester Hours*

A survey course on general employment law concepts, this study will take a management perspective in understanding the legal interaction of the employer and the employee in the work environment. A focus will be placed on the evolution of employment law and current interpretations by related employment protection agencies.

Prerequisite: BLAW 205

---

### **408 Real Estate Law**

*3.0 Semester Hours*

A study of the legal aspects involved in real estate ventures. Will explore the nature of property and land transactions, management based on current law code and existing case law. An excellent legal foundation for students with an interest in future property ownership.

Prerequisite: BLAW 205

---

### **412 Tax Law and Planning**

*3.0 Semester Hours*

A detailed study of the laws involved with business taxation. From a management perspective, this class will focus on understanding legal interpretations of tax code and how managers apply these legal factors when planning and forecasting business development.

Prerequisite: BLAW 205

---

---

**447 International Business Law***3.0 Semester Hours*

Will provide 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.

Prerequisite: BLAW 205

---

**462 Entertainment Law***3.0 Semester Hours*

Law as it applies to the entertainment (motion picture, recording, television) industry, with particular focus on contracts and intellectual property.

Prerequisite: BLAW 205

---

**473 Marketing Law***3.0 Semester Hours*

This course focuses on the various legal constraints, problems and ramifications that should be recognized and addressed by marketers during decision making processes. This will explore the legal interaction of the marketer and the customer in the development of product, promotion, pricing and distribution plans.

Prerequisite: BLAW 205

---

**498 Special Studies***1-3 Semester Hours***499 Independent Studies***1-3 Semester Hours*

---

---

# Marketing

---

**365 Principles of Marketing***3.0 Semester Hours*

This course will examine the marketing discipline, including an overview of marketing's uncontrollable environments. Marketing's controllable variables (which include decisions about product, price, advertising, promotion, and distributions) will also be studied.

---

**381 Internship***3.0 Semester Hours*

The objective of this one semester hour course is to help the student achieve a worthwhile learning experience, that is relevant to the program of study in the student's major or area of emphasis. 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.

---

**445 International Marketing***3.0 Semester Hours*

This course will examine marketing principles and planning factors and techniques applied in a global environment. In addition, problems of marketing internationally and methods used to reduce them will be studied.

Prerequisite: MRKT 365

---

**446 International Negotiations***3.0 Semester Hours*

Depicts and provides an understanding of the functions and challenges faced by international negotiators. The major economic powers will be examined in terms of their culture, ethics, etiquette and business styles.

Prerequisite: MRKT 365

---

**451 Business Practices in a Global Context***3.0 Semester Hours*

This course, through an extensive program of speakers and site visits in a foreign setting, provides a broad exposure to several important environments affecting international business markets and practices, including technical, political, social and economic environments. Taught on site as part of the Study Abroad programs.

---

**461 E-Commerce Marketing***3.0 Semester Hours*

Marketing in an electronic environment, focusing on the adaptation of traditional marketing activities to suit the creation, offer, and exchange of products and services online. This course is an introduction to e-commerce from a marketing perspective.

**462 Perspectives on Consumption***3.0 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 365

---

**463 Entertainment Marketing***3.0 Semester Hours*

Marketing is an essential element in the commercial success of entertainment products in the world today. This course looks at product development, research, distribution channels, and promotional vehicles used in the marketing of films, music, television, and new media products.

Prerequisite: MRKT 365

---

**464 International Logistics***3.0 Semester Hours*

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.

Prerequisite: MRKT 365

---

**465 Marketing Promotional Strategy***3.0 Semester Hours*

The importance of advertising, promotion principles and practices, direct marketing, and sales promotion will be emphasized. Determination of alternative strategies and styles will also be studied.

Prerequisite: MRKT 365

---

**466 Sports Marketing***3.0 Semester Hours*

A thorough examination of the expanding field of sports marketing including team, event, personality, and facility marketing, sponsorship, and merchandising. Some prior familiarity with sport is highly recommended.

Prerequisite: MRKT 365

---

**467 Marketing Research***3.0 Semester Hours*

The study and application of the marketing research process in a setting that will allow for the development, implementation, and analysis of various marketing scenarios.

Prerequisite: MRKT 365

---

**469 Consumer Behavior***3.0 Semester Hours*

Marketing aspects of psychological and sociological factors related to the purchase decision process of consumers.

Prerequisite: MRKT 365

---

**471 Retail Management***3.0 Semester Hours*

This course examines various aspects of retailing. The focus is on analyzing situations faced by a variety of managers in the effective distribution of goods and services.

Prerequisite: MRKT 365

---

**472 Sales Management***3.0 Semester Hours*

Overview of both sales management and personal selling. Topics include forecasting, territory design, selling techniques, evaluation, compensation and many others, including a required videotaped sales presentation.

Prerequisite: MRKT 365

---

**473 Marketing Law***3.0 Semester Hours*

Focuses on the various legal constraints, problems and ramifications which should be recognized and addressed by marketers during decision making processes. This will explore the legal interaction of the marketer and the customer in the development of product, promotion, pricing and distribution plans.

Prerequisite: BLAW 205

---



---

### **474 Competitive Strategy**

*3.0 Semester Hours*

This course provides an in-depth analysis of competition and competitive strategy from both theoretical and applied perspectives. Competitive models, strategic metaphors, game-theory, product positioning, and competitive pricing strategy are explored in detail.

Prerequisites: ACCT 212; ECON 110; MRKT 365

---

### **475 Marketing Planning**

*3.0 Semester Hours*

This course provides a study of the basic components and steps in the development of a standard marketing plan.

Prerequisite: MRKT 365

---

### **476 Entrepreneurial and Small Business Marketing**

*3.0 Semester Hours*

Whereas traditional marketing courses often assume that marketers are operating in a predictable environment with generous budgets, this course examines marketing methods to be used under conditions of considerable uncertainty.

Prerequisite: MRKT 365

---

### **477 Brand Management**

*3.0 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 365

---

### **498 Special Studies**

*1-3 Semester Hours*

---

### **499 Independent Studies**

*1-3 Semester Hours*

---

---

# Tourism and Travel

## Faculty:

Director: To be appointed

## Objectives:

Tourism is considered to be the largest industry in the world. It is also one of the fastest growing industries when all of its related business are included. Employment within this industry in the United States is estimated at over six million people.

The mission of the tourism program in the College of Business Administration is to:

- prepare graduates for leadership and professional positions in the tourism-travel industry;

- provide service to the global economy by providing well qualified, ethically sensitive graduates, and

- generate new knowledge in the industry through research.

The courses are designed to build on the business core curriculum, with advanced courses covering specific industry technologies, business practices and operations. Students will be advised to consider related courses in the social sciences and modern languages to complement their studies in this area. **This area of concentration requires two approved internships.**

---

## 380 Tourism Systems

*3.0 Semester Hours*

An overview of the tourism industry with a global perspective beginning with changes in world geography. Provides an overview and survey of the components of the tourism industry such as accommodations, travel markets, transportation and attractions, along with the emerging trends of each area. Links between these sub-areas and public policy are introduced.

---

## 381 Internship

*1 Semester Hour*

The objective of this one semester hour course is to help the student achieve a worthwhile learning experience that is relevant to the program of study in the student's major or area of emphasis. 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.

Requires approval of the director.

---

## 382 Tourism Policy, Planning and Development

*3.0 Semester Hours*

Analyses of the factors that influence the development of tourism, travel trends and the changes occurring in the industry. Government policies and their impact on tourism development are covered. Public and private sector planning and its impact on development are examined.

---

## 383 Information Technology in Tourism

*3.0 Semester Hours*

Information technologies specific to the tourism-travel industry are covered. Operation and evaluation of travel industry systems and applied business systems and their use in managerial decision making are analyzed. Methods of data collection and analysis with industry applications are emphasized.

Prerequisite: ISQM 370

---

## 482 Tourism Industry Marketing

*3.0 Semester Hours*

Development of marketing strategies in tourism and travel. Concepts and marketing processes are analyzed and evaluated through cases and problems. Projects involving international and domestic marketing plans are developed.

Prerequisites: MRKT 365 and completion of one approved internship

---

---

**483 Human Resources in Tourism and Travel***3.0 Semester Hours*

This industry is labor intense and demands forward thinking human resource policies and practices in order to hire and retain effective employees. Caveats in the employment process are covered. Training practices are examined and experiential exercises and projects focus on employee development. Legal and compensation issues are covered.

Prerequisite: MGMT 335

---

**484 Financial Management in Tourism and Travel***3.0 Semester Hours*

Financial planning for various segments of the industry are covered. Pricing models and bidding for travel contracts are developed. Rebates, agent fees and in-kind payments are examined.

Prerequisite: FNCE 325

---

**498 Special Studies***1-4 Semester Hours*

Requires approval of the director.

---

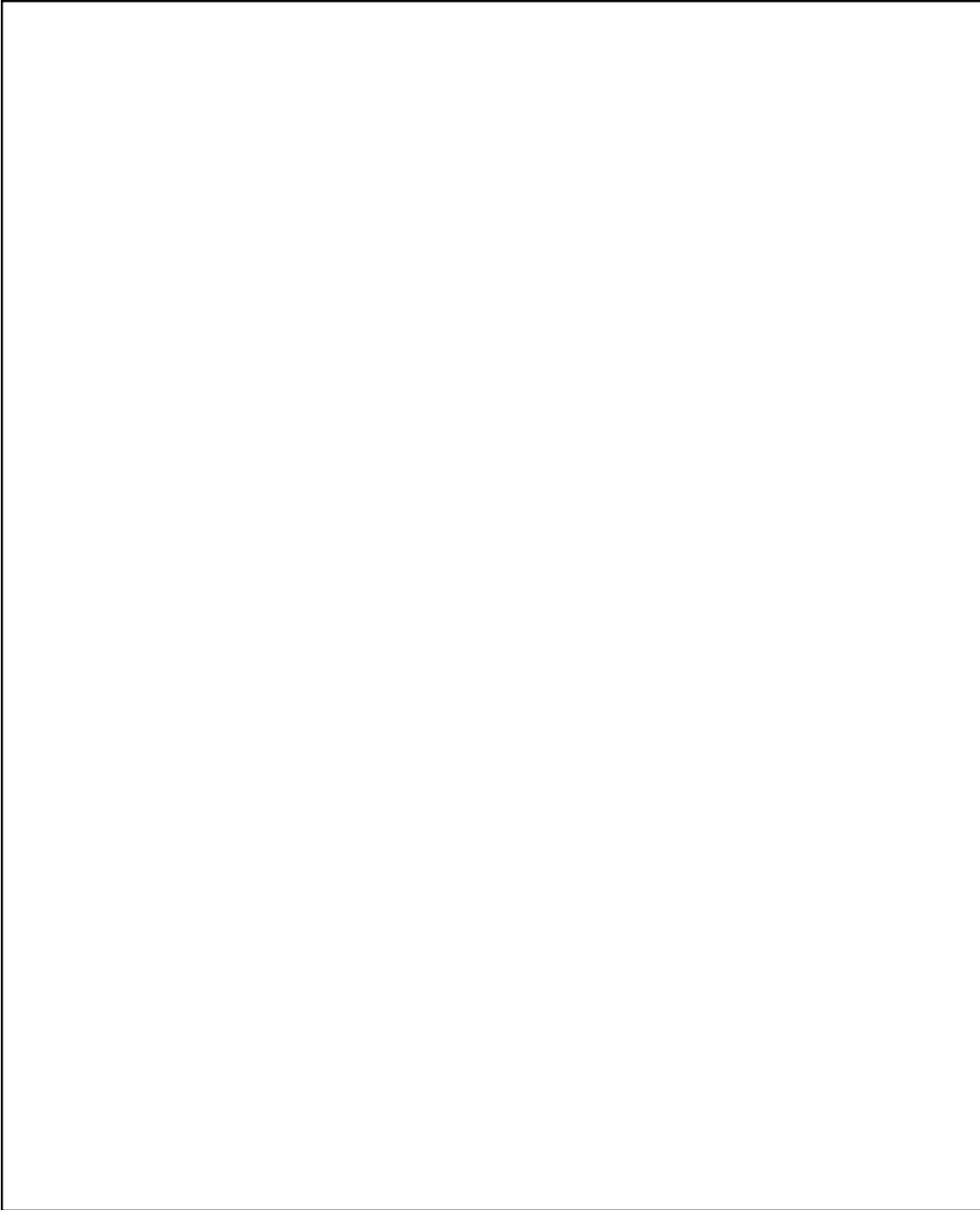
**499 Independent Studies***1-4 Semester Hours*

Requires approval of the director.

---

---

# College of Science and Engineering



# College of Science and Engineering

## Administration

Dean: Gerald S. Jakubowski  
Associate Dean: W. Thomas Calder (Engineering)  
Assistant Dean: Stephen H. Scheck (Science)

## College Mission Statement

The mission of the College of Science and Engineering is to provide students with the best possible education in science, engineering and mathematics in a nurturing environment of individual attention and concern with particular emphasis on self-learning, service to society and ethical behavior.

## College Goals

Particularly applicable to the College of Science and Engineering 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, (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 of Science and Engineering offers degree programs in Biochemistry, Biology, Chemistry, Civil Engineering, Computer Science, Electrical Engineering, Engineering and Production Management, Engineering Physics, Environmental Science, Mathematics, Mechanical Engineering, Natural Science and Physics. College of Science and Engineering faculty also teach the math, science and technology component of the University core curriculum.

**Courses numbered from 260-279 are designed specifically to meet the University core requirements in math, science and technology for students not majoring within the College of Science and Engineering.**

## 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 Science and Engineering.

## Degrees Offered

**Bachelor of Arts in:** Biology

**Bachelor of Science in Engineering in:** Civil, Electrical and Mechanical Engineering.

**Bachelor of Science in:** Biochemistry, Biology, Chemistry, Computer Science, Engineering Physics, Individualized Studies, Mathematics, Natural Science and Physics.

**Master of Arts in Teaching in:** Biology and Mathematics (programs offered jointly with the School of Education).

**Master of Science in Engineering in:** Civil, Electrical, and Mechanical Engineering.

**Master of Science in:** Computer Science, Environmental Science, and Engineering and Production Management.

## Teacher Preparation Programs

The 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. These programs are offered in conjunction with the School of Education (see Mathematics and Natural Science). The College also offers courses in mathematics and science to support the multiple subject credential program for teaching elementary school (see Liberal Studies).

## Core Curriculum

Students in the College of Science and Engineering will follow core curriculum A, B or C, below, depending on degree plan.

### A. Core Curriculum for the Bachelor of Science in the College of Science and Engineering

#### American Cultures

*3 Semester Hours*

##### Course Selection

First and second year students choose from any lower division course listed or cross-listed as AMCS. Third and fourth year students choose from any upper division course listed or cross-listed as AMCS. A single course will generally not fulfill two core requirements. The only exception is a course that satisfies another core requirement which is also cross-listed as AMCS.

#### College Writing

*3 Semester Hours*

##### Course Selection

ENGL 110 or, if necessary, ENGL 112 will fulfill the college writing requirement. ENGL 100 will not fulfill the college writing requirement, but is required of certain students based on their performance in the essay administered in all ENGL 110 sections during the first week of classes. A minimum grade of C (2.0) is required in ENGL 110. All students who receive a grade of C- or lower must enroll in ENGL 112 as soon as possible. Those students who wish may retake ENGL 110 to raise their grades, but only after they have successfully completed ENGL 112.

Choose: ENGL 110

#### Communication or Critical Thinking

*3 Semester Hours*

##### Course Selection

Communication:

Choose from CMST 100, 110, 130 or 140.

OR Critical Thinking:

Choose from CMST 206 or PHIL 220.

#### Critical/Creative Arts

*3 Semester Hours*

##### Course Selection

Choose from ANIM 120, ART 150, 350; DANC 163; MUSC 105, 106 or THEA 110.

#### History

*3 Semester Hours*

##### Course Selection

This requirement is satisfied by taking one course from Western Civilization.

Western Civilization:

Choose from HIST 100 or 101.

#### Literature

*3 Semester Hours*

##### Course Selection

Choose from CLAS 200, 210, 220; ENGL 130, 140, 150, 170; FNLT 180; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349 or 430.

Prerequisite: Successful completion of college writing requirement.

#### Mathematics, Science and Technology

##### Course Selection

This requirement is met by the curriculum of the major in the College of Science and Engineering.

#### Philosophy

*6 Semester Hours*

##### Course Selection

Lower Division:

Choose PHIL 160. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

Upper Division:

Choose from PHIL 320 or 330.

#### Social Sciences

*6 Semester Hours*

Student must select one of the following options:

1. Select two courses from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105. Courses must be from different departments.

2. Select one course from: AFAM 115; APAM 117; CHST 116 or WNST 100, and one course from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105.

3. Select two courses from the same department. The first is selected from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105. The second course

in the same department is selected from upper division courses that the student is qualified to take.

### Theological Studies

#### 6 Semester Hours

##### Course Selection

##### Lower Division:

Choose from the 100 level series of THST courses. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

##### Upper Division:

Choose from the 300 level series of THST courses only.

### Note: International/Global Studies

The current core curriculum includes many courses dealing with international and global studies. All students are required to complete History 100 or 101 which deal with European culture. In addition, it is recommended that students take additional core courses which include the study of European cultures such as: CLAS 200, 210, 220; FNLT 180; THEA 240, 245, 331, 336, 341; THST 320, 322, 331.

To further augment the understanding of world cultures, it is recommended that students also choose at least one core course that includes the study of Africa, Asia, the Pacific, or Latin/Indigenous America. These core courses include: GEOG 100; POLS 155; SOCL 105, THEA 348; THST 180, 381, 382, 383, 384, 385.

### Recommendations:

Students are encouraged to enrich their program of study with selected electives from the following areas. Consult the bulletin for specific offerings.

#### 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, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, Spanish, and Tagalog 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.

## B. Core Curriculum for the Bachelor of Science in Engineering and the Bachelor of Science in Engineering Physics in the College of Science and Engineering

### American Cultures

#### 3 Semester Hours

##### Course Selection

First and second year students choose from any lower division course listed or cross-listed as AMCS. Third and fourth year students choose from any upper division course listed or cross-listed as AMCS. A single course will generally not fulfill two core requirements. The only exception is a course that satisfies another core requirement which is also cross-listed as AMCS.

### College Writing

#### 3 Semester Hours

##### Course Selection

ENGL 110 or, if necessary, ENGL 112 will fulfill the college writing requirement. ENGL 100 will not fulfill the college writing requirement, but is required of certain students based on their performance in the essay administered in all ENGL 110 sections during the first week of classes. A minimum grade of C (2.0) is required in ENGL 110. All students who receive a grade of C- or lower must enroll in ENGL 112 as soon as possible. Those students who wish may retake ENGL 110 to raise their grades, but only after they have successfully completed ENGL 112.

Choose: ENGL 110.

### Communication or Critical Thinking

#### 3 Semester Hours

##### Course Selection

##### Communication:

Choose from CMST 100, 110, 130 or 140.

##### OR Critical Thinking:

Choose from CMST 206 or PHIL 220.

---

**Critical/Creative Arts***3 Semester Hours*

## Course Selection

Choose from ANIM 120; ART 150, 350; DANC 163; MUSC 105, 106 or THEA 110.

---

**History***3 Semester Hours*

## Course Selection

This requirement is satisfied by taking one course from Western Civilization.

## Western Civilization:

Choose from HIST 100 or 101.

---

**Literature***3 Semester Hours*

## Course Selection

Choose from CLAS 200, 210, 220; ENGL 130, 140, 150, 170; FNLT 180; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349 or 430.

Prerequisite: Successful completion of college writing requirement.

---

**Mathematics, Science and Technology**

## Course Selection

This requirement is met by the curriculum of the major in the College of Science and Engineering.

---

**Philosophy***6 Semester Hours*

## Course Selection

## Lower Division:

Choose PHIL 160. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

## Upper Division:

Choose from PHIL 320 or 330.

---

**Social Sciences**

For students pursuing a Bachelor of Science in Engineering or Engineering Physics degree in the College of Science and Engineering, this requirement is met by the major curricula.

**Theological Studies***6 Semester Hours*

## Course Selection

## Lower Division:

Choose from the 100 level series of THST courses. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

## Upper Division:

Choose from the 300 level series of THST courses only.

---

**Note: International/Global Studies**

The current core curriculum includes many courses dealing with international and global studies. All students are required to complete History 100 or 101 which deal with European culture. In addition, it is recommended that students take additional core courses which include the study of European cultures such as: CLAS 200, 210, 220; FNLT 180; THEA 240, 245, 331, 336, 341; THST 320, 322, 331.

To further augment the understanding of world cultures, it is recommended that students also choose at least one core course that includes the study of Africa, Asia, the Pacific, or Latin/Indigenous America. These core courses include: THST 180, 361, 382, 383, 384, 385.

---

**Recommendations:**

Students are encouraged to enrich their program of study with selected electives from the following areas. Consult the bulletin for specific offerings.

**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, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, Spanish, and Tagalog 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.

## C. Core Curriculum for the Bachelor of Arts in the College of Science and Engineering

---

### American Cultures

*3 Semester Hours*

#### Course Selection

First and second year students choose from any lower division course listed or cross-listed as AMCS. Third and fourth year students choose from any upper division course listed or cross-listed as AMCS. A single course will generally not fulfill two core requirements. The only exception is a course that satisfies another core requirement which is also cross-listed as AMCS.

---

### College Writing

*3 Semester Hours*

#### Course Selection

ENGL 110 or, if necessary, ENGL 112 will fulfill the college writing requirement. ENGL 100 will not fulfill the college writing requirement, but is required of certain students based on their performance in the essay administered in all ENGL 110 sections during the first week of classes. A minimum grade of C (2.0) is required in ENGL 110. All students who receive a grade of C- or lower must enroll in ENGL 112 as soon as possible. Those students who wish may retake ENGL 110 to raise their grades, but only after they have successfully completed ENGL 112.

Choose: ENGL 110.

---

### Communication or Critical Thinking

*3 Semester Hours*

#### Course Selection

Communication:

Choose from CMST 100, 110, 130 or 140

OR Critical Thinking:

Choose from CMST 206 or PHIL 220.

---

### Critical and Creative Arts

*6 Semester Hours*

#### Course Selection

This requirement is satisfied by taking one course from Critical Arts and one course from Creative Arts.

#### Critical Arts:

Choose from ANIM 100; ARHS 200, 201, 202, 321, 340, 345; DANC 281, 381; FILM 210, 314, 315; INDA 100; MUSC 102, 104, 303, 365; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349 or 430.

#### Creative Arts:

Choose from ANIM 120; ART 150, 151, 153, 278, 280, 350; DANC 163; ENGL 205, 311 (Prerequisite 201), 312 (Prerequisite 202); FILM 220, 260; MUSC 105, 106 or THEA 110.

---

### History

*6 Semester Hours*

#### Course Selection

This requirement is satisfied by taking one course from Western Civilization and one course from Contemporary Societies.

#### Western Civilization:

Choose from HIST 100 or 101.

#### Contemporary Societies:

Choose from HIST 152, 162, 172, 182 or 192.

---

### Literature

*3 Semester Hours*

#### Course Selection

Choose from CLAS 200, 210, 220; ENGL 130, 140, 150, 170; FNLT 180; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349 or 430.

Prerequisite: Successful completion of college writing requirement.

---

### Mathematics, Science and Technology

This requirement is met by the curriculum of the major in the College of Science and Engineering.

---

**Philosophy***6 Semester Hours*

## Course Selection

## Lower division:

Choose PHIL 160. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

## Upper division:

Choose from PHIL 320 or 330.

---

**Social Sciences***6 Semester Hours*

Student must select one of the following options:

1. Select two courses from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105. Courses must be from different departments.

2. Select one course from: AFAM 115; APAM 117; CHST 116 or WNST 100, and one course from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105.

3. Select two courses from the same department. The first is selected from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105. The second course in the same department is selected from upper division courses that the student is qualified to take.

---

**Theological Studies***6 Semester Hours*

## Course Selection

## Lower Division:

Choose from the 100 level series of THST courses. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

## Upper division:

Choose from the 300 level series of THST courses only.

---

**Note: International/Global Studies**

The current core curriculum includes many courses dealing with international and global studies. All students are required to complete History 100 or 101 which deal with European culture. In addition, it is recommended that students take additional core courses which include the study of European cultures such as: ARHS 200, 201, 202; CLAS 200, 210, 220; DANC 281; FILM 314; FNLT 180; MUSC 102; THEA 240, 245, 331, 336, 341; THST 320, 331, 322.

---

To further augment the understanding of world cultures, it is recommended that students also choose at least one core course that includes the study of Africa, Asia, the Pacific, or Latin/Indigenous America. These core courses include: ARHS 321; DANC 381; GEOG 100; HIST 172, 182; MUSC 303, 365; POLS 158; SOCL 105; THEA 348; THST 180, 381, 382, 383, 384, 385.

---

**Recommendations:**

Students are encouraged to enrich their program of study with selected electives from the following areas. Consult the bulletin for specific offerings.

**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, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, Spanish, and Tagalog 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.

# Biology

## Faculty:

Chairperson: Michael Danciger  
 Professors: Michael Danciger, Roy S. Houston, E. Virginia Merriam, Stephen H. Scheck, Anthony P. Smulders, CFMM, Howard F. Towner, John P. Waggoner III  
 Associate Professor: M. Catharine McElwain  
 Assistant Professors: Philippa M. Drennan, Gary Kuleck, Martin Ramirez

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) teach students the skills of both field and laboratory biology, and enable them to participate directly in the scientific discovery process; (6) facilitate students' independent exploration of career opportunities; (7) participate in the University's effort to educate non-science majors in the areas of science and technology.

## The B.S. in Biology

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.

The B.S. in Biology program provides for the opportunity to double major in Biology-Chemistry, Biology-Physics, Biology-Mathematics, Biology-Engineering, and Biology-Psychology. A special option is available in Marine Biology.

## Major Requirements, Lower Division: for the B.S. in Biology

BIOL 101\*, 102\*, 111\*, 112\*, 201\*, 202\*; CHEM 110\*, 111\*, 112\*, 113\*, 220\*, 221\*, 222, 223; MATH 122\*, 123 (MATH 131, 132 may be substituted for MATH 122, 123); PHYS 253, 254, 255, 256. 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, 102, 111, 112, 201, and 202, prior to becoming eligible to take any upper division biology course.

## The B.A. in Biology

The B.A. in Biology degree is a general liberal arts program. The core curriculum for the B.A. in Biology is identical to that for the Bellarmine College of Liberal Arts except that no Mathematics, Science and Technology courses are required. The B.A. will allow for a double major with other liberal arts programs. Preprofessional students should select the program leading to the B.S. degree.

## Major Requirements, Lower Division: for the B.A. in Biology

BIOL 101\*, 102, 111\*, 112\*, 201\*, 202\*; CHEM 110\*, 111\*, 112\*, 113\*, 220\*, 6 semester hours of mathematics to include MATH 122\*, plus 3.0 additional semester hours in science to be approved by the department chair. 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, 102, 111, 112, 201, 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, 353, 356, 357, 371.
- (b) One course in Molecular Biology, to be selected from BIOL 330, 437, 439, 443.
- (c) One course in Organismal Diversity, to be selected from BIOL 312, 333, 335, 361, 421, 422.
- (d) One course in Populations, to be selected from BIOL 315, 316, 318, 329, 423, 475, 477.
- (e) One 2 semester hour seminar or research course from the 500 series.
- (f) 3 (B.S.) or 2 (B.A.) additional upper division biology courses.
- (g) The above requirements must also include one plant biology course to be selected from BIOL 312, 315, 353, 371, 437, and one field biology course to be selected from BIOL 312, 318 plus 319, 329, 333, 421, 422, 423 (BIOL 312 can satisfy only one of these two categories).

In addition to the 27 or 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.

## Secondary Teaching Credential

See the appropriate biology faculty advisor.

## Minor Requirements:

BIOL 101, 102, 111, 112, 201, and 202, CHEM 110 and 112 plus 7 semester hours in upper division BIOL courses. The upper division courses for the minor must be selected under the direction of the chairperson of the department.

The course sequence in mathematics depends on the results of the Mathematics Placement Exam.

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.

## B.S. Degree - Biology Curriculum

(124 S. H.)

### Freshman Year

<i>Fall Semester</i>		S.H.
BIOL	101 Biology I .....	3
BIOL	111 Biology I Lab .....	2
CHEM	110 Chemistry I .....	3
CHEM	111 Chemistry I Lab .....	1
ENGL	110 College Writing I .....	3
MATH	122 Mathematics* .....	3
		—
		15

<i>Spring Semester</i>		S.H.
BIOL	102 Biology II .....	3
BIOL	112 Biology II Lab .....	2
CHEM	112 Chemistry II .....	3
CHEM	113 Chemistry II Lab .....	1
MATH	123 Mathematics .....	3
—	— University Core .....	3
		—
		15

### Sophomore Year

<i>Fall Semester</i>		S.H.
BIOL	201 Cell Function .....	3
CHEM	220 Organic Chemistry I .....	3
CHEM	221 Organic Chemistry Lab .....	1
—	— University Core .....	3
—	— University Core .....	3
—	— University Core .....	3
		—
		16

<i>Spring Semester</i>		S.H.
BIOL	202 Genetics .....	3
CHEM	222 Organic Chemistry II .....	3
CHEM	223 Organic Chemistry II Lab .....	1
—	— University Core .....	3
—	— University Core .....	3
—	— University Core .....	3
		—
		16

### Junior Year

<i>Fall Semester</i>		S.H.
BIOL	— Biology .....	4
PHYS	253 General Physics I* .....	5
PHYS	255 General Physics I Lab .....	0
—	— University Core .....	3
—	— University Core .....	3
—	— Elective .....	1
		—
		16

<i>Spring Semester</i>		S.H.
BIOL	— Biology .....	4
BIOL	— Biology .....	3
PHYS	254 General Physics II .....	5
PHYS	256 General Physics II Lab .....	0
—	— University Core .....	3
		—
		15

**Senior Year**

<i>Fall Semester</i>		S.H.
BIOL	___ Biology .....	3
BIOL	___ Biology .....	4
BIOL	___ Biology Seminar or Research ...	2
___	___ U.D. Elective .....	3
___	___ University Core .....	3
		15

<i>Spring Semester</i>		S.H.
BIOL	___ Biology .....	3
BIOL	___ Biology .....	4
___	___ U.D. Elective .....	3
___	___ U.D. Elective .....	3
___	___ U.D. Elective .....	3
		16

**Sophomore Year**

<i>Fall Semester</i>		S.H.
BIOL	201 Cell Function .....	3
CHEM	220 Organic Chemistry I .....	3
___	___ University Core .....	3
___	___ University Core .....	3
___	___ University Core .....	3
		15

<i>Spring Semester</i>		S.H.
BIOL	202 Genetics .....	3
___	___ Science Elective .....	3
___	___ University Core .....	3
___	___ University Core .....	3
___	___ Elective .....	3
		15

**B.A. Degree - Biology Curriculum**

(120 S. H.)

**Freshman Year**

<i>Fall Semester</i>		S.H.
BIOL	101 Biology I .....	3
BIOL	111 Biology I Lab .....	2
CHEM	110 Chemistry I .....	3
CHEM	111 Chemistry I Lab .....	1
ENGL	110 College Writing I .....	3
MATH	120 Mathematics* .....	3
		15

<i>Spring Semester</i>		S.H.
BIOL	102 Biology II .....	3
BIOL	112 Biology II Lab .....	2
CHEM	112 Chemistry II .....	3
CHEM	113 Chemistry II Lab .....	1
MATH	122 Calculus I .....	3
___	___ University Core .....	3
		15

**Junior Year**

<i>Fall Semester</i>		S.H.
BIOL	___ Biology .....	4
___	___ University Core .....	3
___	___ University Core .....	3
___	___ University Core .....	3
___	___ Elective .....	2
		15

<i>Spring Semester</i>		S.H.
BIOL	___ Biology .....	4
BIOL	___ Biology .....	3
___	___ University Core .....	3
___	___ University Core .....	3
___	___ Elective .....	2
		15

\*Students who have completed MATH 123 or 132 may begin the physics sequence in the Fall semester of either the sophomore or junior year.

## Senior Year

<i>Fall Semester</i>		S.H.
BIOL	___	Biology ..... 4
BIOL	___	Biology Seminar ..... 2
___	___	University Core ..... 3
___	___	Upper Division Elective ..... 3
___	___	Upper Division Elective ..... 3
		15

<i>Spring Semester</i>		S.H.
BIOL	___	Biology ..... 4
BIOL	___	Biology ..... 3
___	___	Elective ..... 3
___	___	Elective ..... 3
___	___	Upper Division Elective ..... 2
		15

\*The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.

The proper sequence of the University Core courses should be discussed with the student's advisor.

### 101 General Biology I

*3 Semester Hours*

Unifying principles of biology; introduction to cell structure and function, histology, genetics, control systems, organ systems and taxonomy.

College of Science and Engineering majors only.

Lecture, 3 hours.

### 102 General Biology II

*3 Semester Hours*

The mechanism of evolution; major patterns of biotic evolution; principles of ecology.

College of Science and Engineering majors only.

Lecture, 3 hours.

Prerequisite: BIOL 101, 111

### 111 General Biology I Laboratory

*2 Semester Hours*

A survey of the five kingdoms.

College of Science and Engineering majors only.

Lecture, 1 hour; Laboratory, 4 hours.

Prerequisite: BIOL 101 or concurrent enrollment;

### 112 General Biology II Laboratory

*2 Semester Hours*

An experimental approach to biology with emphasis on design, execution and analysis to answer biological questions.

College of Science and Engineering majors only.

Lecture, 1 hour; Laboratory, 4 hours.

Prerequisite: BIOL 101 or BIOL 102, or concurrent enrollment, plus CHEM 112 and 113 or concurrent enrollment.

### 150 Human Anatomy and Physiology

*3 Semester Hours*

The development, structure and function of the human body with emphasis on integration and homeostasis.

(For majors in liberal studies and psychology only).

### 151 Human Anatomy and Physiology I

*3 Semester Hours*

Comprehensive coverage of anatomy and physiology for the pre-health professions major. Topics include homeostasis and integumentary, skeletal, muscular, nervous and endocrine systems.

Lecture, 3 hours.

### 152 Human Anatomy and Physiology I Laboratory

*1 Semester Hour*

Companion lab course to BIOL 151.

Laboratory, 4 hours.

**153 Human Anatomy and Physiology II***3 Semester Hours*

Continuation of comprehensive coverage of anatomy and physiology for the pre-health professions major. Topics include blood, cardiovascular, lymphatic, immune, respiratory, digestive, urinary and reproductive systems.

Lecture, 3 hours.

**154 Human Anatomy and Physiology II Laboratory***1 Semester Hour*

Companion lab course to BIOL 153.

Laboratory, 4 hours.

**194 Introduction to Research***1 Semester Hour*

An introduction to scientific research methodology; information gathering; data analysis; laboratory research practice. Attendance at departmental seminars is required.

Laboratory, 4 hours.

**198 Special Studies***1-4 Semester Hours***199 Independent Studies***1-4 Semester Hours***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 110 or concurrent enrollment.

**202 Genetics***3 Semester Hours*

A study of Mendelian and molecular genetics.

Prerequisite: BIOL 201.

**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 100 or MATH 101 or placement into MATH 111 or higher.

**261 Evolutionary Thought***3 Semester Hours*

The development of the idea of evolution, beginning with the introduction of Greek ideas into the medieval European culture, to the present day.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

**262 Human Health***3 Semester Hours*

A study of important diseases.

Not open for credit for students who have completed the Community College Health Education Requirement.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

**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 100 or MATH 101 or placement into MATH 111 or higher.

**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 100 or MATH 101 or placement into MATH 111 or higher.

---

**265 Biology of African Wildlife***3 Semester Hours*

Study of ecological, behavioral and life history characteristics of selected African animals. Includes a two week study trip to eastern or southern Africa (Biology majors should take BIOL 332). Offered alternate years.

Summers only - Study Abroad Program

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**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 100 or MATH 101 or placement into MATH 111 or higher.

---

**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 100 or MATH 101 or placement into MATH 111 or higher.

---

**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 100 or MATH 101 or placement into MATH 111 or higher.

---

**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 100 or MATH 101 or placement into MATH 111 or higher.

---

---

**276 Human Exercise***3 Semester Hours*

Introduction to basic biological responses and adaptations of the body to exercise. Particular attention is given to physical fitness, health, and athletics, how biomedical research is conducted and how the lay person can decipher research findings.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**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.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**294 Independent Research***1-4 Semester Hours*

Prerequisite: BIOL 194 or concurrent enrollment.

---

**295 Biology Internship***1 Semester Hour*

Work experience involving research, industry or community based projects. May be taken only once for credit.

CR/NC only.

---

**298 Special Studies***1-4 Semester Hours*

---

**299 Independent Studies***1-4 Semester Hours*

---

**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, 112; CHEM 110, 112; MATH 122.

---



---

**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, 112; CHEM 110, 112.

---

**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 102, 112.

---

**318 Principles of Ecology***3 Semester Hours*

Study of interactions between organisms and their physical environment, population ecology, biotic communities and ecosystems.

Lecture, 3 hours; 3 weekend field trips.

Prerequisites: BIOL 102, 112; CHEM 110, 112; MATH 122.

---

**319 Ecology Laboratory***1 Semester Hour*

Laboratory and field investigation of ecological relationships.

Laboratory, 4 hours.

Prerequisite: BIOL 318, or concurrent enrollment.

---

**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 102, 112; CHEM 110, 112.

---

---

**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 202; CHEM 222, 223.

---

**332 Biology of African Wildlife***3 Semester Hours*

Study of ecological, behavioral and life history characteristics of selected African animals. Includes a two week study trip to eastern or southern Africa.

Summer only Study Abroad program. Offered alternate years.

Prerequisites: BIOL 101, 102; CHEM 110, 112.

---

**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; CHEM 110, 112.

---

**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 102, 112; CHEM 110, 112.

---

**351 General Physiology***3 Semester Hours*

Introduction to physiological principles and concepts with emphasis on organ systems.

Prerequisite: BIOL 201.

---

---

**352 Physiology Laboratory***1 Semester Hour*

Laboratory experiments in physiology.

Laboratory, 4 hours; Data analysis, 1 hour.

Prerequisite: BIOL 351 or 356 or 357, or concurrent enrollment.

---

**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, 221; MATH 122.

---

**354 Plant Physiology Laboratory***1 Semester Hour*

Laboratory experiments in plant physiology.

Laboratory, 4 hours.

Prerequisite: BIOL 353, or concurrent enrollment.

---

**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, 223.

---

**357 Comparative Animal Physiology***3 Semester Hours*

A study of the different strategies utilized by various organisms to deal with problems of oxygen supply, temperature, water, salt balance, etc. Emphasis is on the vertebrates.

Prerequisites: BIOL 102, 201; CHEM 110, 112.

---

**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; CHEM 220.

---

**362 General Microbiology Laboratory***1 Semester Hour*

Laboratory experiments in general microbiology.

Laboratory, 4 hours.

Prerequisite: BIOL 361 or concurrent enrollment.

---

**371 Plant Biochemistry***3 Semester Hours*

Primary and secondary biosynthesis of plants; photosynthesis; nutrient acquisition and transport; plant pathogen/predator defense mechanism. Integration of these processes into an overall biochemical strategy.

Prerequisites: BIOL 201; CHEM 110, 112.

---

**376 Genetics Laboratory***1 Semester Hour*

Laboratory experiments in genetics.

Laboratory, 4 hours.

Prerequisites: BIOL 202; CHEM 110, 112.

---

**394 Independent Research***1-4 Semester Hours*

Prerequisite: BIOL 194 or concurrent enrollment.

---

**398 Special Studies***1-4 Semester Hours*

---

**399 Independent Studies***1-4 Semester Hours*

---

**421 Vertebrate Field Biology***4 Semester Hours*

Survey of the ecology, adaptive physiology, behavior, and taxonomy of vertebrates. Emphasis on species of southern California.

Lecture, 3 hours; Laboratory, 4 hours; 4 weekend field trips.

Prerequisites: BIOL 102, 112; CHEM 110, 112.

---

**422 Marine Biology***4 Semester Hours*

Study of the marine environment, including physical, chemical, and biological aspects as applied to littoral, deep sea and pelagic organisms.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 102, 112; CHEM 110, 112.

**423 Intertidal Ecology***4 Semester Hours*

Study of the biotic and abiotic relationships of intertidal organisms, including zonation, diversity, competition, predation, and symbiosis.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 102, 112; CHEM 110, 112.

**433 Histology***3 Semester Hours*

The structure and function of human tissue types including basic histological techniques.

Prerequisites: BIOL 102, 112; CHEM 110, 112.

**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, 223 or concurrent enrollment.

**438 Plant Development Laboratory***1 Semester Hour*

Laboratory experiments in plant developmental biology.

Laboratory, 4 hours.

Prerequisite: BIOL 437 or concurrent enrollment.

**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 202; CHEM 220.

**443 Molecular Biology***3 Semester Hours*

Study of properties, synthesis and interactions of macromolecules; genetic engineering.

Prerequisites: BIOL 202; CHEM 220.

**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; CHEM 220.

**449 Immunology***3 Semester Hours*

The study of the immune response mechanisms in the vertebrate organism, with special reference to humans.

Prerequisites: BIOL 202; CHEM 220.

**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, 223 or concurrent enrollment.

**475 Evolution***3 Semester Hours*

The study of the process of biological evolution.

Offered alternate years.

Prerequisites: BIOL 202; CHEM 110, 112.

---

**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 conversion.

Lecture, 3 hours; laboratory, 4 hours.

Prerequisites: BIOL 102, 112, 202.

---

**490 Biological Teaching***1-2 Semester Hours*

Guided teaching of undergraduate laboratories.

May be repeated for credit.

Requires consent of instructor.

---

**494 Independent Research***1-4 Semester Hours*

Prerequisite: BIOL 194, or concurrent enrollment.

---

**498 Special Studies***1-4 Semester Hours***499 Independent Studies***1-4 Semester Hours*

---

**All 500-Level courses require consent of instructor.**

---

**524 Malacology Research***2 Semester Hours*

Studies on the functional morphology, ecology and phylogeny of marine prosobranch gastropods.

Requires consent of Instructor.

Prerequisite: BIOL 194, or concurrent enrollment.

---

**525 Subtidal Ecology Seminar***2 Semester Hours*

An introduction to the ecology of subtidal systems including coral reefs, kelp forests, hard and soft bottoms, deep sea and pelagic communities.

Requires consent of instructor.

---

**526 Marine Pollution Seminar***2 Semester Hours*

Study of the types of pollutants and their effect on marine organisms.

Requires consent of instructor.

---

**527 Benthic Ecology Research***2 Semester Hours*

An introduction to underwater research techniques and studies of soft and hard bottom communities.

Requires consent of instructor.

Prerequisites: Basic open water SCUBA certification; BIOL 194, or concurrent enrollment.

---

**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.

---

**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.

Prerequisites: BIOL 194, or concurrent enrollment; BIOL 394, 494 or 594.

---

---

**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.

Prerequisites: BIOL 194, or concurrent enrollment; CHEM 220.

---

**542 Natural Products Seminar***2 Semester Hours*

Direct experience in the preparation of food products made through microbiological action and characterization of biological parameters during the process.

Requires consent of instructor.

Prerequisite: BIOL 194, or concurrent enrollment.

---

**546 Physiology of Drugs Seminar***2 Semester Hours*

An introduction into the pharmacology of certain drugs, their absorption, metabolism, use, misuse, abuse.

Requires consent of instructor.

---

**555 Comparative Physiology Research***2 Semester Hours*

Participation in original research dealing with various aspects of mammalian physiology.

Requires consent of instructor.

Prerequisites: BIOL 194, or concurrent enrollment; 351 or 357.

---

**563 Molecular Genetics Research***2 Semester Hours*

Laboratory work in gene mapping and gene isolation.

Requires consent of instructor.

Prerequisite: BIOL 194, or concurrent enrollment.

---

**565 Plant Developmental Biology Research***2 Semester Hours*

Laboratory work in molecular and genetic analysis of plant development.

Requires consent of instructor.

Prerequisite: BIOL 194, or concurrent enrollment.

---

**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.

---

**577 Tetrahymena Genetics Research***2 Semester Hours*

An introduction to the production and analysis of genetic variants of the ciliated protozoan tetrahymena.

Requires consent of instructor.

Prerequisite: BIOL 194, or concurrent enrollment.

---

**582 Computer Applications in Biology Seminar***2 Semester Hours*

Uses of computers in biological sciences: simulation, data analysis, introduction to programming, use of databases and spreadsheets; internet applications.

Requires consent of instructor.

---

**583 Quantitative Biology Seminar***2 Semester Hours*

Mathematical and computer tools used in biology.

Requires consent of instructor.

---

**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.

---

---

**594 Independent Research**

*1-4 Semester Hours*

Prerequisite: BIOL 194, or concurrent enrollment.

---

**598 Special Studies**

*1-3 Semester Hours*

Requires consent of instructor.

---

**599 Independent Studies**

*1-3 Semester Hours*

---

# Chemistry and Biochemistry

## Faculty:

Chairperson: Rebecca D. Crawford  
 Professors: William F. Cain, S.J., Rebecca D. Crawford,  
 Michael P. Geis, James M. Landry  
 Associate Professors: Thomas J. Reilly, James A. Roe  
 Assistant Professor: S.W. Tina Choe

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, and with all the major contemporary methods and techniques, taking advantage of the department's complete instrumentation. This equipment includes preparative, separative, thermal analysis, and spectroscopic instruments. Besides ordinary laboratory apparatus the student will work with a spinning band column, a high speed centrifuge, HPLC, GC, GC-MS, DSC, FT-IR, UV-Vis, flame and furnace AA, AES-ICP, and FT-NMR.

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.

## Chemistry

### Objectives:

The Bachelor of Science degree program, approved by the Committee on Professional Training of the American Chemical Society, 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. It is also an excellent preparation for entry into medical, dental and other health professional schools.

## Major Requirements:

Lower Division Requirements: Chemistry

CHEM 110, 111, 112, 113, 220, 221, 222, 223. A grade of at least C (2.0) is required in each of these. CHEM 190; MATH 131 and 132; PHYS 101, 103, 201 and 203. With approval of the Chair, MATH 122 and 123; PHYS 253, 254, 255, and 256 may be substituted, as a complete package, for MATH 131 and 132; PHYS 101, 103, 201 and 203. Recommended elective: MATH 234.

Upper Division Requirements: Chemistry

34 upper division semester hours of chemistry, which will include CHEM 330, 340, 341, 342, 343, 360, 370 or 470, 390, 391, 430, 431, 460, 461, 490, 491, and 560, but not 495.

Except for CHEM 390 and 490, a grade of at least C (2.0) must be obtained in each course included in the upper division requirements of the major.

Strongly recommended for those intending graduate study: CHEM 499 or 599; German, Japanese, Russian or other appropriate modern language.

A maximum of 12 semester hours of Chemistry/Biochemistry Co-op and/or Directed Research (CHEM 393, 493, 499, 599) may be included toward the 124 hour baccalaureate requirement.

## Minor Requirements: Chemistry

CHEM 110, 111, 112, 113, 220, 221, 222, 223; plus a minimum of 7 upper division semester hours of CHEM courses including one upper division laboratory course. These must be selected under the direction of the chair of the department.

A grade of C (2.0) must be obtained in each course included in 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.

## Variations:

Petitions for waivers of departmental requirements or prerequisites should be addressed to the chair of the department.

## Chemistry Curriculum

(124 S. H.)

### Freshman Year

<i>Fall Semester</i>		S.H.
CHEM	110 General Chemistry I .....	3
CHEM	111 General Chemistry I Lab .....	1
ENGL	110 College Writing I .....	3
CHEM	190 World of Chem/Biochem .....	1
—	— University Core .....	3
—	— University Core .....	3
—	— University Core .....	3
		17

<i>Spring Semester</i>		S.H.
CHEM	112 General Chemistry II .....	3
CHEM	113 General Chemistry II Lab .....	1
MATH	131 Calculus I .....	4
PHYS	101 Intro to Mechanics .....	4
PHYS	103 Intro to Mechanics Lab .....	0
—	— University Core .....	3
		15

### Sophomore Year

<i>Fall Semester</i>		S.H.
CHEM	220 Organic Chemistry I .....	3
CHEM	221 Organic Chemistry I Lab .....	1
MATH	132 Calculus II .....	4
PHYS	201 Intro Electric & Magnetism .....	4
PHYS	203 Intro Electric & Magnetism Lab ...	0
—	— University Core .....	3
		15

<i>Spring Semester</i>		S.H.
CHEM	222 Organic Chemistry II .....	3
CHEM	223 Organic Chemistry II Lab .....	1
CHEM	360 Quantitative Analysis .....	4
—	— University Core .....	3
—	— University Core .....	3
—	— University Core .....	3

17

### Junior Year

<i>Fall Semester</i>		S.H.
CHEM	340 Physical Chemistry I .....	3
CHEM	341 Physical Chemistry I Lab .....	1
CHEM	460 Instrumental Analysis .....	3
CHEM	461 Instrumental Analysis Lab .....	1
CHEM	390 Chemistry Seminar .....	1
—	— University Core .....	3
—	— University Core .....	3

15

<i>Spring Semester</i>		S.H.
CHEM	330 Inorganic Chemistry .....	3
CHEM	342 Physical Chemistry II .....	3
CHEM	343 Physical Chemistry II Lab .....	1
CHEM	391 Chem Seminar .....	1
—	— University Core .....	3
—	— Elective .....	3
—	— Upper Division Elective .....	3

17

### Senior Year

<i>Fall Semester</i>		S.H.
CHEM	370 Intro to Biochemistry .....	3
CHEM	490 Chem Seminar .....	1
CHEM	560 Adv Org Techniques .....	4
—	— Upper Division Elective .....	3
—	— Elective .....	3

14



<i>Spring Semester</i>		S.H.
CHEM	430 Adv Inorg Chem I .....	3
CHEM	431 Adv Inorg Chem I Lab .....	1
CHEM	491 Chem Seminar .....	1
—	— Elective .....	3
—	— Elective .....	3
—	— Elective .....	3
		14

## Biochemistry

### Objectives:

The Bachelor of Science in Biochemistry degree program is designed to prepare the student for a career in the intensively active biochemistry or chemical biology fields, seeking to understand the functions and intricate interactions of those molecules that give rise to the phenomenon of life. There are many opportunities either for immediate entry into the field or for further study at the graduate level. In addition, for qualified students biochemistry is one of the best preparations for entry into health professional schools.

The American Chemical Society is reviewing a proposal to certify the BS in Biochemistry as an approved "Chemistry with Biochemistry emphasis" degree.

### Major Requirements:

Lower Division Requirements: Biochemistry

CHEM 110, 111, 112, 113, 220, 221, 222, and 223. A grade of at least C (2.0) is required in each of these. BIOL 101, 111, 112, 201, and 202, MATH 131 and 132, PHYS 101, 103, 201 and 203. With approval of the chair, MATH 122 and 123; PHYS 253, 254, 255, and 256 may be substituted, as a complete package, for CHEM 190; MATH 131 and 132; PHYS 101, 103, 201, and 203.

Upper Division Requirements: Biochemistry

30 upper division semester hours of chemistry and biochemistry, which will include CHEM 340, 341, 346, 360, 390, 391, 460, 461, 470, 471, 472, 473, 490, 491, and 437, 580, or other advanced biochemical elective, but not CHEM 495. Two upper division courses in biology which will include BIOL 356 and one other selected from BIOL 330, 351, 353, 361, 437, 439, 443, 445, or 449. It is recommended that this selection include one laboratory course or one molecular biology course.

With approval of the chair one additional upper division biology course from the list above may be

substituted for CHEM 460 and 461. However, ACS certification will not be awarded if CHEM 460 and 461 are not included in the program.

Except for CHEM 390 and 490 a grade of at least C (2.0) must be obtained in each course included in the upper division requirements of the major.

Strongly recommended for those intending graduate study: CHEM 499 or 599; German, Japanese, Russian or other appropriate modern language.

A maximum number of 12 semester hours of Chemistry/Biochemistry Co-op and/or Directed Research (CHEM 393, 493, 499, 599) may be included toward the 124 hour baccalaureate requirement.

### Minor Requirements — Biochemistry

BIOL 101, 111, 201, CHEM 110, 111, 112, 113, 220, 221, 222, 223, 370 or 470, and 4 additional upper division semester hours selected from CHEM 471, 472, 473, or 580 or other advanced biochemical elective including one upper division laboratory course. These must be selected under the direction of the Chair of the department.

A grade of C (2.0) must be obtained in each course included in the minor.

### Variances:

Petitions for waivers of departmental requirements or prerequisites should be addressed to the Chair of the department.

### Biochemistry Curriculum

(124 S. H.)

#### Freshman Year

<i>Fall Semester</i>		S.H.
BIOL	101 General Biology I .....	3
BIOL	111 General Biology I Lab .....	2
CHEM	110 General Chemistry I .....	3
CHEM	111 General Chemistry I Lab .....	1
CHEM	190 World of Chem/Biochem .....	1
ENGL	110 College Writing I .....	3
—	— University Core .....	3
		16

<i>Spring Semester</i>			S.H.
BIOL	112	General Biology II Lab .....	2
CHEM	112	General Chemistry II .....	3
CHEM	113	General Chemistry I I Lab .....	1
MATH	131	Calculus I .....	4
PHYS	101	Intro to Mechanics .....	4
PHYS	103	Intro to Mechanics Lab .....	0
—	—	University Core .....	3
			17

<i>Spring Semester</i>			S.H.
CHEM	346	Physical Biochemistry .....	3
CHEM	472	Biochemistry II .....	3
CHEM	473	Biochemistry II Lab .....	1
CHEM	391	Chemistry Seminar .....	1
—	—	University Core .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			17

## Sophomore Year

<i>Fall Semester</i>			S.H.
BIOL	201	Cell Function .....	3
CHEM	220	Organic Chemistry I .....	3
CHEM	221	Organic Chemistry I Lab .....	1
MATH	132	Calculus II .....	4
PHYS	201	Intro Elec & Magnetism .....	4
PHYS	203	Intro Elec & Mag Lab .....	0
			15

<i>Spring Semester</i>			S.H.
BIOL	202	Genetics .....	3
CHEM	222	Organic Chemistry II .....	3
CHEM	223	Organic Chemistry II Lab .....	1
CHEM	360	Quantitative Analysis .....	4
—	—	University Core .....	3
			14

## Junior Year

<i>Fall Semester</i>			S.H.
CHEM	340	Physical Chemistry I .....	3
CHEM	341	Physical Chemistry I Lab .....	1
CHEM	470	Biochemistry I .....	3
CHEM	471	Biochemistry I Lab .....	1
CHEM	390	Chemistry Seminar .....	1
—	—	University Core .....	3
—	—	University Core .....	3
			15

## Senior Year

<i>Fall Semester</i>			S.H.
BIOL	356	Cell Biology .....	3
CHEM	460	Instrumental Analysis .....	3
CHEM	461	Instrumental Analysis Lab .....	1
CHEM	490	Chemistry Seminar .....	1
—	—	Upper Div Elective .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			17

<i>Spring Semester</i>			S.H.
BIOL	—	Upper Div Biol Elective .....	3
CHEM	—	Adv Biochem Elective .....	3
CHEM	491	Chemistry Seminar .....	1
—	—	University Core .....	3
—	—	Elective .....	3
—	—	Elective .....	1
			14

### 110 General Chemistry I

3 Semester Hours

Atomic theory, stoichiometry, properties of gases, solids, liquids, periodic law, solutions, thermochemistry, redox equations.

Lecture, 3 hours.

**111 General Chemistry I Lab***1 Semester Hour*

Use of balance, atomic, molecular, and equivalent weights; molar volumes; introduction to gravimetric and titrimetric analysis.

Lecture and laboratory, 4 hours.

Prerequisite: CHEM 110 or concurrent enrollment.

**112 General Chemistry II***3 Semester Hours*

Chemical kinetics, thermodynamics, acids and bases, equilibria, electrochemistry, descriptive chemistry.

Lecture, 3 hours.

Prerequisites: CHEM 110 and 111.

**113 General Chemistry II Lab***1 Semester Hour*

Kinetics, redox, pH, electrode potentials, spectrophotometry, qualitative inorganic analysis.

Lecture and laboratory, 4 hours.

Prerequisite: CHEM 112 or concurrent enrollment.

**190 World of Chemistry and Biochemistry***1 Semester Hour*

Introduction to chemistry/biochemistry as a program and a profession. How to study and succeed. How to plan a profession and a career.

Seminar, 2 hours.

CR/NC Grading only.

**198 Special Studies: Chemistry Topics***1-3 Semester Hours***199 Independent Studies***1-3 Semester Hours***220 Organic Chemistry I***3 Semester Hours*

Properties, synthesis and nomenclature of alkanes, alkenes, cycloalkanes. Aromaticity and aromatic hydrocarbons. Alkyl halides and substitution reactions.

Lecture, 3 hours.

Prerequisites: CHEM 112 and 113.

**221 Organic Chemistry I Lab***1 Semester Hour*

Techniques of simple, fractional, and steam distillation; crystallization and extraction; some synthesis.

Lecture and laboratory, 4 hours.

Prerequisite: CHEM 220 or concurrent enrollment.

**222 Organic Chemistry II***3 Semester Hours*

Spectroscopy. Chemistry of alcohols and carbonyl compounds. Amines, amino acids, carbohydrates and proteins. Glycolysis, the citric acid cycle, and oxidative phosphorylation.

Lecture, 3 hours.

Prerequisites: CHEM 220 and 221.

**223 Organic Chemistry II Lab***1 Semester Hour*

Reactions of aldehydes and ketones. Syntheses using the Grignard and Sandmeyer reactions. Preparation of an ester, an azo dye, and a ketone.

Lecture and laboratory, 4 hours.

Prerequisite: CHEM 222 or concurrent enrollment.

**260 Energy***3 Semester Hours*

The concepts of energy and power; the basic principles of thermodynamics; techniques and systems for converting natural energy resources into useful forms; alternate energy resources; short and long term aspects of energy supply.

Prerequisite: MATH 100 or MATH 101 or placement into Math 111 or higher.

---

**261 Chemistry and Contemporary Issues***3 Semester Hours*

Chemical principles and notation necessary to discuss issues that arise out of society's current chemical understanding and control of the environment and resources. Examination of selected specified issues.

Prerequisite: MATH 100 or MATH 101 or placement into Math 111 or higher.

---

**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.

Prerequisite: MATH 100 or MATH 101 or placement into Math 111 or higher.

---

**263 Consumer Chemistry***3 Semester Hours*

The chemistry of everyday consumer products and how the products work will be examined. Product examples discussed will include foods, shampoo, selected drugs, clothing, and others.

Prerequisite: MATH 100 or MATH 101 or placement into Math 111 or higher.

---

**264 Survey of Marine Pollution***3 Semester Hours*

Information and discussion about marine pollution problems in Southern California. Issues of safe swimming, safe consumption of fish, and protection of marine environment will be examined.

Prerequisite: MATH 100 or MATH 101 or placement into Math 111 or higher.

---

**265 The Chemistry of Food***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.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

---

**278 Special Studies: Chemistry Topics***1-3 Semester Hours*

For majors from outside the College of Science and Engineering

Prerequisite: MATH 100 or MATH 101 or placement into Math 111 or higher.

---

**298 Special Studies: Chemistry Topics***1-3 Semester Hours*

---

**299 Independent Studies***1-3 Semester Hours*

---

**330 Inorganic Chemistry***3 Semester Hours*

Study of preparations, properties, and reactions of main group and some transition metal elements and their compounds.

Lecture, 3 hours.

Prerequisites: CHEM 112 and 113.

---

**340 Physical Chemistry I***3 Semester Hours*

Properties of gases, ideal and real, chemical thermodynamics, phase rule, solutions, chemical equilibria, colligative properties, activity concept, electrochemistry.

Lecture, 3 hours.

Prerequisites: CHEM 222 and 223, MATH 123 or 132, PHYS 201 or 254.

---

**341 Physical Chemistry I Lab***1 Semester Hour*

Physical measurements, calorimetry, physical equilibria, phase behavior, activity coefficients, chemical equilibria.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 340 or concurrent enrollment, CHEM 360.

---

**342 Physical Chemistry II***3 Semester Hours*

Chemical kinetics, quantum mechanics, atomic and molecular spectroscopy, statistical mechanics.

Lecture, 3 hours.

Prerequisites: CHEM 340 and 341.

**343 Physical Chemistry II Lab***1 Semester Hour*

Kinetics, colligative properties, atomic and molecular spectroscopy.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 342 or concurrent enrollment, CHEM 360.

**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.

Lecture, 3 hours.

Prerequisites: CHEM 340 and 341.

**350 Geochemistry***3 Semester Hours*

Chemical composition and reactions of the atmosphere, hydrosphere, and lithosphere. Natural and anthropogenic variations in composition. Analytical methods.

Lecture, 3 hours.

Prerequisites: CHEM 112 and 113.

**360 Quantitative Analysis***4 Semester Hours*

Theory and practice of chemical analyses. Laboratory: calibration of glassware, analysis of selected unknown samples by volumetric, gravimetric and electrochemical methods.

Lecture, 2 hours, laboratory, 6 hours.

Prerequisites: CHEM 112 and 113.

**370 Introduction to Biochemistry***3 Semester Hours*

Fundamentals of macromolecular structure, function, and central metabolic pathways as well as nucleic acid metabolism.

Chemistry majors and non-majors. Not available for credit with CHEM 470 or CHEM 472.

Lecture, 3 hours.

Prerequisites: CHEM 222 and 223.

**390 Chemistry Seminar***1 Semester Hour*

Regular attendance at Departmental Seminar Program.

CR/NC grading only.

**391 Chemistry Seminar***1 Semester Hour*

Regular attendance at Departmental Seminar Program and presentation of a seminar.

**393 Chemistry/Biochemistry Internship***1-3 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 seminar hours.

**398 Special Studies: Chemistry Topics***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours*

---

**430 Advanced Inorganic Chemistry I***3 Semester Hours*

Chemical bonding treated from the viewpoints of valence bond, ligand field, and molecular orbital theories. Applied thermodynamics, kinetics, and acid-base concepts.

Lecture, 3 hours.

Prerequisites: CHEM 342 and 343.

---

**431 Advanced Inorganic Chemistry I Lab***1 Semester Hour*

Inorganic synthesis using special methods such as furnace, dry box, high vacuum and electric discharge. Resolution of stereoisomers, and determination of magnetic susceptibility.

Lecture and laboratory, 4 hours.

Prerequisites: CHEM 430 or concurrent enrollment, CHEM 360.

---

**437 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, CHEM 470 or by consent of instructor.

---

**460 Instrumental Analysis***3 Semester Hours*

Analytical methods using instrumental techniques, including gas and liquid chromatography, atomic, molecular, nuclear magnetic resonance, and mass spectroscopy.

Lecture, 3 hours.

Prerequisites: CHEM 340 and 341, or concurrent enrollment.

---

**461 Instrumental Analysis Lab***1 Semester Hour*

Laboratory in selected methods of modern instrumental analysis, including gas and liquid chromatography, UV-visible spectroscopy, atomic absorption and plasma emission spectroscopy, Fourier-transform infrared spectroscopy, gas chromatography-mass spectrometry, nuclear magnetic

resonance spectroscopy, laboratory computers.

Laboratory, 4 hours.

Prerequisites: CHEM 460 or concurrent enrollment, CHEM 360.

---

**470 Biochemistry I***3 Semester Hours*

Macromolecular structure and function; enzymology; bioenergetics and kinetics; major metabolic pathways.

Biochemistry and chemistry majors. Not available for credit with CHEM 370.

Lecture, 3 hours.

Prerequisites: CHEM 222 and 223.

---

**471 Biochemistry I Lab***1 Semester Hour*

Techniques of protein purification, enzyme assay and kinetics.

Lecture and laboratory, 4 hours.

Prerequisite: CHEM 470 or 370 or concurrent enrollment.

---

**472 Biochemistry II***3 Semester Hours*

Metabolic regulation; macromolecular structure, function and synthesis; membrane transport. DNA and RNA metabolism and control. Biochemistry of vitamins and other nutrients.

Lecture, 3 hours.

Prerequisite: CHEM 470.

---

**473 Biochemistry II 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 471 and 472 or concurrent enrollment.

---

**490 Chemistry Seminar***1 Semester Hour*

Regular attendance at Departmental Seminar Program.

CR/NC grading only.

---

**491 Chemistry Seminar***1 Semester Hour*

Regular attendance at Departmental Seminar Program and presentation of a seminar.

**493 Chemistry/Biochemistry Internship***1-3 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.

**495 Chemistry Teaching***1-2 Semester Hours*

Guided teaching of the undergraduate laboratories. Credit/No-Credit grading only. May be repeated for additional credit.

Prerequisite: Approval of department chair.

May be repeated for credit up to 8 semester hours.

**497 Introduction to Chemistry/Biochemistry Research***1-3 Semester Hours***498 Special Studies: Chemistry Topics***1-3 Semester Hours***499 Independent Studies: Directed Research***1-3 Semester Hours*

May be repeated for credit up to 6 semester hours.

**530 Advanced Inorganic Chemistry II***3 Semester Hours*

Organometallic chemistry, boron hydrides and carboranes, inorganic polymers and complex chemistry of transition elements.

Lecture, 3 hours.

Prerequisite: CHEM 430.

**540 Physical Methods in Chemistry***3 Semester Hours*

Development of physical methods of analysis incorporating elements of group theory and molecular orbital theory. Molecular spectroscopy; nuclear magnetic, electron paramagnetic, and nuclear quadrupole resonance spectroscopy; magnetism; Mossbauer spectroscopy; and X-ray spectroscopy.

Lecture, 3 hours.

Prerequisites: CHEM 342 and 460.

**560 Advanced Organic Techniques***4 Semester Hours*

Modern synthetic reactions. Qualitative and preparative chromatographic methods. Determination of molecular structure by nuclear magnetic resonance and infrared spectroscopy.

Lecture, 2 hours; Laboratory, 8 hours.

Prerequisites: CHEM 222, 223, 342, 343, 360, 460, 461.

**580 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 470 or consent of instructor.

**598 Special Studies: Chemistry Topics***1-3 Semester Hours***599 Independent Studies: Directed Research***1-3 Semester Hours*

May be repeated for credit up to 6 semester hours.

# Civil Engineering and Environmental Science

## Faculty:

Chairperson: William J. Trott  
 Professors: James E. Foxworthy, Michael E. Mulvihill,  
 Joseph C. Reichenberger, William J. Trott  
 Associate Professor: Michael E. Manoogian

## Description:

The Civil Engineer applies scientific and economic principles to plan, design and oversee a wide variety of public and private 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.

The Civil Engineering curriculum emphasizes practicality and design, supported by a strong background in scientific and mathematical concepts. The 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 in civil engineering. 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.

The Civil Engineering student can select courses and electives that emphasize environmental engineering as described below.

## Accreditation:

The Civil Engineering program is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET).

## Objectives:

The principal educational objectives of the department are to produce graduates that have: 1) sound science and engineering fundamentals to be immediately productive in the engineering profession and /or pursue advanced degrees; 2) skills for effective problem solving and creative engineering design both individually and as a unit member of a project team; 3) effective writing and speaking skills; 4) consideration of economics, socio-politics, environmental impacts and safety in engineering design; 5) a solid foundation in mathematics and science; 6) an understanding of the importance of professional ethics in the practice of engineering; 7) a broad liberal studies background to practice engineering in a diverse cultural world.

To accomplish these 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.

## Design in Civil Engineering:

The Civil Engineering student participates in design projects throughout the curriculum both as an individual and as a member of a design team. The design experience varies in complexity as the student progresses through the program ending with the senior capstone design experience. Engineering design is the process of devising a system, a component or a process to meet a specified need in an optimal manner. While the resulting design must stay within the appropriate specifications and constraints, consideration must also be given to economic, social and environmental impacts, and constructability. Accomplishing these varied goals requires creativity and involves considerable decision making. Many design projects are performed while part of a project team.

## Civil Engineering Curriculum

(133 S. H.)

## Major Requirements:

Lower Division Requirements:

CHEM 110, 111, CIVL 210; ELEC 211; ENGR 100, 150, 151, 172, 200, 250; MATH 131, 132, 234, 245; MECH 251; PHYS 101, 103, 201, 203.



Upper Division Requirements:

CIVL 300, 302, 305, 310, 315, 340, 360, 395, 400, 406, 410, 415, 450, 460; ENGR 400; ENVS 300; Civil Engineering electives (3 semester hours).

**Freshman Year**

<i>Fall Semester</i>			S.H.
CHEM	110	Chemistry I .....	3
CHEM	111	Chemistry I Lab .....	1
ENGR	100	Intro to Engineering .....	4
ENGL	110	College Writing I .....	3
MATH	131	Calculus I .....	4
			—
			15

<i>Spring Semester</i>			S.H.
ENGR	150	Algorithms & Applications .....	3
ENGR	151	Algorithms & Applications Lab ....	0
ENGR	172	Engineering Graphics .....	2
MATH	132	Calculus II .....	4
PHYS	101	Intro to Mechanics .....	4
PHYS	103	Intro to Mechanics Lab .....	0
—	—	University Core .....	3
			—
			16

**Sophomore Year**

<i>Fall Semester</i>			S.H.
ENGR	200	Statics .....	3
ENGR	250	Intro to Engr Design .....	2
MATH	234	Calculus III .....	4
PHYS	201	Intro to Elec & Mag .....	4
PHYS	203	Intro to Elec & Mag Lab .....	0
—	—	University Core .....	3
			—
			16

<i>Spring Semester</i>			S.H.
CIVL	210	Surveying .....	3
ELEC	211	Elect & Instru .....	3
MATH	245	Diff Equations .....	3
MECH	251	Thermodynamics .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			—
			18

**Junior Year**

<i>Fall Semester</i>			S.H.
CIVL	300	Mechanics of Materials .....	3
CIVL	310	Fluid Mechanics I .....	3
CIVL	360	Autocad & GIS .....	3
ENVS	300	Geology .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			—
			18

<i>Spring Semester</i>			S.H.
CIVL	305	Structural Theory .....	4
CIVL	315	Fluid Mechanics II .....	3
CIVL	340	Analytical Methods I .....	3
CIVL	395	Engr Econ & Dec Theory .....	3
—	—	University Core .....	3
			—
			16

**Senior Year**

<i>Fall Semester</i>			S.H.
CIVL	400	Fund of Water & Wastewater Treatment .....	3
CIVL	410	Soil Mechanics .....	4
CIVL	415	Reinforced Concr Design .....	4
—	—	Civil Engr. Elective .....	3
—	—	University Core .....	3
			—
			17

<i>Spring Semester</i>			S.H.
CIVL	302	Seismic Design Structures .....	3
CIVL	406	Water Resources Planning & Design .....	3
CIVL	450	Analytical Methods II .....	3
CIVL	460	Civil Engr Design .....	4
ENGR	400	Senior Seminar .....	1
—	—	University Core .....	3
			—
			17

The proper sequence of the University Core courses should be discussed with the student's advisor.

## Environmental Engineering Emphasis within the Civil Engineering Major

(133 S. H.)

The civil engineering student may choose to take courses and electives emphasizing environmental engineering. Opportunities exist to take classes in aquatic chemistry, microbiology, air pollution control and solid, hazardous and industrial waste management.

### Major Requirements:

Lower Division Requirements:

CHEM 110, 111, CIVL 210; ELEC 211; ENGR 100, 150, 151, 172, 200, 250; ENVS 220; MATH 131, 132, 234, 245; MECH 251; PHYS 101, 103, 201, 203.

Upper Division Requirements:

CIVL 300, 302, 310, 315, 340, 360, 395, 400, 406, 410, 450, 460; ENGR 400; ENVS 300, 510; Civil Engineering or Environmental Science Electives (7 semester hours).

### Freshman Year

<i>Fall Semester</i>		S.H.
CHEM	110 Chemistry I .....	3
CHEM	111 Chemistry I Lab .....	1
ENGR	100 Intro to Engineering .....	4
ENGL	110 College Writing I .....	3
MATH	131 Calculus I .....	4
		—
		15

<i>Spring Semester</i>		S.H.
ENGR	150 Algorithms & Applications .....	3
ENGR	151 Algorithms & Applications Lab ....	0
ENGR	172 Engineering Graphics .....	2
MATH	132 Calculus II .....	4
PHYS	101 Intro to Mechanics .....	4
PHYS	103 Intro to Mechanics Lab .....	0
—	— University Core .....	3
		—
		16

### Sophomore Year

<i>Fall Semester</i>		S.H.
ENGR	200 Statics .....	3
ENGR	250 Intro to Engr Design .....	2
MATH	234 Calculus III .....	4
PHYS	201 Intro to Elec & Mag .....	4
PHYS	203 Intro to Elec & Mag Lab .....	0
—	— University Core .....	3
		—
		16

<i>Spring Semester</i>		S.H.
CIVL	210 Surveying .....	3
ELEC	211 Elect & Instru .....	3
ENVS	220 Intro to Envir Engineering .....	2
MATH	245 Diff Equations .....	3
MECH	251 Thermodynamics .....	3
—	— University Core .....	3
		—
		17

### Junior Year

<i>Fall Semester</i>		S.H.
CIVL	300 Mechanics of Materials .....	3
CIVL	310 Fluid Mechanics I .....	3
CIVL	360 Autocad & GIS .....	3
ENVS	300 Geology .....	3
—	— University Core .....	3
—	— University Core .....	3
		—
		18

<i>Spring Semester</i>		S.H.
CIVL	302 Seismic Design Structures .....	3
CIVL	315 Fluid Mechanics II .....	3
CIVL	340 Analytical Methods I .....	3
CIVL	395 Engr Econ & Dec Theory .....	3
—	— University Core .....	3
—	— University Core .....	3
		—
		18

**Senior Year**

<i>Fall Semester</i>			S.H.
CIVL	400	Fund of Water & Wastewater Treatment .....	3
CIVL	410	Soil Mechanics .....	4
ENVS	510	Chem for Envir Engin .....	2
_____	_____	CIVL & ENVS Electives .....	4
_____	_____	University Core .....	3
			16

<i>Spring Semester</i>			S.H.
CIVL	406	Water Resources Planning & Design .....	3
CIVL	450	Analytical Methods II .....	3
CIVL	460	Civil Engr Design .....	4
ENGR	400	Senior Seminar .....	1
_____	_____	CIVL & ENVS Elective .....	3
_____	_____	University Core .....	3
			17

The proper sequence of the University Core courses should be discussed with the student’s advisor.

body, the relation between stresses and strains, approaches for finding necessary dimensions of a member with respect to material capabilities and design constraints, and a design project.

Lecture, 3 hours.

Prerequisite: ENGR 200.

**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.

**305 Structural Theory**  
*4 Semester Hours*

Analysis of determinate and indeterminate deformable structures using classical methods and an introduction to computer methods of analysis.

Lecture, 3 hours; Laboratory, 3 hours.

Prerequisite: CIVL 300.

**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.

**315 Fluid Mechanics II**  
*3 Semester Hours*

A continuation of CIVL 310. Similarity and dimensional analysis, laboratory experiments with fluid flow phenomena, fluid measurements, pipe and open channel flow, forces on immersed bodies.

Lecture, 2 hours; Laboratory, 3 hours.

**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 234.

**Civil Engineering**

**210 Surveying**  
*3 Semester Hours*

Study of basic surveying instruments and related computations for topographic surveys, horizontal and vertical curves, land surveying. Introduction to total station survey systems, computer applications and design of highways.

Lecture, 2 hours; Laboratory, 5 hours.

Prerequisite: Sophomore standing.

**300 Mechanics of Materials**  
*3 Semester Hours*

Development of relationships between loads applied to an elastic body to stresses and deformations produced in the

**360 Autocad & GIS***3 Semester Hours*

Computer aided drafting, design, and geographic information systems. The use of autocad as applied to civil engineering designs. Basic fundamentals of GIS using software packages such as Arcview and ARCAD.

Lecture, 2 hours; Laboratory, 3 hours.

Prerequisite: ENGR 172.

---

**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.

---

**400 Fundamentals of Water and Waste-Water Treatment***3 Semester Hours*

Basic concepts of water quality management. Review of the chemical and biological basis for water and wastewater treatment and disposal.

Lecture, 3 hours.

Prerequisite: CIVL 310.

---

**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, including reservoirs and pump stations.

Lecture, 3 hours.

Prerequisite: CIVL 315.

---

**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.

Prerequisites: CIVL 300, 310.

---

**411 Design of Foundations and Earth Structures***2 Semester Hours*

Design methods for foundations and earth structures. Design of footings and piles including stability and settlement, slopes, and retaining structures.

Prerequisite: CIVL 410.

---

**415 Reinforced Concrete Design***4 Semester Hours*

Theory and design of reinforced concrete columns, beams, retaining walls, footings and slabs. Introduction to prestressed concrete design, application to design projects.

Lecture, 3 hours; Laboratory, 3 hours.

Prerequisite: CIVL 300.

---

**450 Analytical Methods in Civil Engineering II***3 Semester Hours*

Specific application of mathematical techniques to a variety of Civil Engineering problems, with an emphasis on the mathematical formulation and subsequent computer solution of practical problems utilizing ordinary and partial differential equations; linear regression analysis; optimization techniques.

Lecture, 3 hours.

Prerequisites: MATH 245, CIVL 310, 340.

---

**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, 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 presentations are required.

Lecture, 2 hours; Design Laboratory, 4 hours.

Prerequisites: Senior standing and CIVL 210, 395, 400, 410, 415.

Corequisite: CIVL 406.

---

### **493 Civil Engineer Design Internship**

*2-4 Semester Hours*

Students work in teams to perform specific design projects for local public agencies and engineering consulting firms in the area of storm water and municipal waste water.

Requires consent of instructor.

---

### **514 Groundwater Hydrology**

*4 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, 4 hours.

Prerequisite: CIVL 315.

---

### **515 Industrial Waste Management**

*2 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, 2 hours.

Prerequisites: ENVS 510, CIVL 400.

---

### **548 Hazardous Substances Management**

*2 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, 2 hours.

---

### **549 Hazardous Waste Remediation**

*2 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, 2 hours.

---

### **550 Fundamentals of Environmental Health Risk Assessment**

*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, 2 hours.

---

### **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 300.

---

### **598 Special Studies**

*1-4 Semester Hours*

---

### **599 Independent Studies**

*1-4 Semester Hours*

---

# Environmental Science

---

## 220 Introduction to Environmental Engineering

2 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, 2 hours.

---

## 300 Geology

3 Semester Hours

Atmospheric, aqueous, and igneous agencies; river and marine deposits, glaciers, earth movements, volcanos, earthquakes. Emphasis placed on factors affecting engineering projects; field trips.

Lecture, 3 hours.

---

## 498 Special Studies

1-4 Semester Hours

---

## 499 Independent Studies

1-4 Semester Hours

---

## 510 Chemistry for Environmental Engineers

2 Semester Hours

Review of inorganic chemistry with particular emphasis on solution equilibria and gas-solution interaction.

Lecture, 2 hours.

---

## 513 Solid Wastes Engineering

2 Semester Hours

An application of current technology in the control, disposal, and recovery of value from solid wastes.

Lecture, 2 hours.

---

## 515 Environmental Impact Reports

2 Semester Hours

An engineering perspective of managing projects through the California Environmental Quality Act (CEQA) process.

Lecture, 2 hours.

---

## 518 Applied Oceanography

2 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, 2 hours.

---

## 533 Aquatic Chemistry

2 Semester Hours

Kinetics, equilibrium and solubility concepts applied to natural water systems. Oxidation-reduction in the aquatic environment.

Lecture, 2 hours.

Prerequisite: ENVS 510.

---

## 544 Applied Microbiology

2 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, 2 hours.

Prerequisites: ENVS 510, CIVL 400.

---

## 598 Special Studies

1-4 Semester Hours

---

## 599 Independent Studies

1-4 Semester Hours

---

# Electrical Engineering and Computer Science

## Faculty:

Chairperson: John A. Page  
 Director, Computer Science: Philip M. Dorin  
 Professors: Philip M. Dorin, Tai-Wu Kao, John A. Page,  
 Paul A. Rude  
 Associate Professors: Anthony S. Karrer, Raymond J.  
 Toal, Nazmul Ula  
 Assistant Professors: Stephanie August, Barbara E.  
 Marino

## Electrical Engineering

### Description:

The electrical engineering curriculum consists of classroom and laboratory experiences related to the following topics: engineering design, electrical and electronic circuits and models, control systems, communication systems and properties of electromagnetic waves, design of analog and digital systems, theory and design of computer systems, organization and design of microprocessor-based computer systems.

The electrical engineering curriculum leads to the B.S.E. degree. Department criteria for graduation include completion of all courses in one of the two curricula, with a minimum grade-point average of C (2.0) in the Upper Division Requirements listed below.

A minor field program in electrical engineering is also supported. Course work includes 18 semester hours to be determined in consultation with the department chairperson. All minor field programs require the approval of the student's major field faculty advisor and the department chairperson in the student's major field.

### Accreditation:

The electrical engineering program is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET).

### Objectives:

The department objectives for graduates are: 1) preparation for professional practice; 2) preparation for advanced study; 3) development of ethical values and personal responsibilities; 4) development of oral and written communication skills; 5) development of team skills; 6)

development of leadership qualities; 7) promotion of the ideas of lifelong learning; and 8) development of self-fulfillment through professional activity.

These 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, in student design competitions, and in university co-curricular activities are plentiful and help to accomplish these objectives.

## Design in Electrical Engineering

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.

## Computer Science

### Description:

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 systems, operating systems, compilers, computer graphics, distributed systems, interactive multimedia, object technologies, network programming, and organization and design of microprocessor-based computer systems.

The B.S. degree is awarded upon successful completion of the computer science curriculum. Department criteria for graduation include completion of all courses in the curriculum with a minimum grade-point average of C (2.0) in the Upper Division Requirements listed below.

Two minor field programs in computer science are also supported. Students may select from:

one program which emphasizes algorithms and data structures (CMSI 185, 186, 281, 284, plus two upper-division CMSI electives), or

one which emphasizes interactive multimedia (CMSI 252, 361, 461, 462, plus ART 260 and 366).

## Objectives:

The department objectives for graduates 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 objectives are met by providing a program which follows contemporary curriculum 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, social sciences, and the fine arts.

Opportunities for involvement in professional societies, in student design competitions, and in university co-curricular activities are plentiful and help to accomplish these objectives.

## Electrical Engineering Curriculum

(129 S. H.)

### Major Requirements:

Lower Division Requirements:

CHEM 110, 111, ELEC 232, 281; ENGR 100, 150, 151, 172, 200, 250; MATH 131, 132, 234, 245; MECH 212; PHYS 101, 103, 201, 203.

Upper Division Requirements:

ELEC 301, 302, 333, 353, 354, 361, 371, 383, 401, 402, 423, 424 and two courses selected from other offerings in Electrical Engineering; ENGR 400; MATH 355.

### Electives:

One course selected from other offerings in the College of Science and Engineering with advisor approval.

## Freshman Year

<i>Fall Semester</i>		S.H.
CHEM	110 Chemistry I .....	3
CHEM	111 Chemistry I Lab .....	1
ENGR	100 Intro to Engineering .....	4
ENGL	110 College Writing I .....	3
MATH	131 Calculus I .....	4
		—

15

<i>Spring Semester</i>		S.H.
ENGR	150 Algorithms & Applications .....	3
ENGR	151 Algorithms & Applications Lab ....	0
ENGR	172 Engineering Graphics .....	2
MATH	132 Calculus II .....	4
PHYS	101 Intro to Mechanics .....	4
PHYS	103 Intro to Mechanics Lab .....	0
—	— University Core .....	3
		—
		16

## Sophomore Year

<i>Fall Semester</i>		S.H.
ENGR	200 Statics .....	3
ENGR	250 Intro to Engr Design .....	2
MATH	234 Calculus III .....	4
PHYS	201 Intro to Elec & Mag .....	4
PHYS	203 Intro to Elec & Mag Lab .....	0
—	— University Core .....	3
		—
		16

<i>Spring Semester</i>		S.H.
ELEC	232 Circuits .....	4
ELEC	281 Logic Design .....	3
MATH	245 Diff. Equations .....	3
MECH	212 Materials Science .....	3
—	— University Core .....	3
		—
		16

## Junior Year

<i>Fall Semester</i>		S.H.
ELEC	301 Junior Lab I .....	3
ELEC	333 Circuit Applications .....	2
ELEC	353 Electronics I .....	3
MATH	355 Meth of Appl Mathematics .....	3
—	— University Core .....	3
—	— University Core .....	3
		—

17



<i>Spring Semester</i>			S.H.
ELEC	302	Junior Lab II .....	3
ELEC	354	Electronics II .....	3
ELEC	371	Linear Systems .....	3
ELEC	383	Intro to Microprocessors .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			—
			18

## Senior Year

<i>Fall Semester</i>			S.H.
ELEC	401	Senior Lab I .....	3
ELEC	423	Communications I .....	3
ELEC	361	Electromagnetics .....	3
ELEC	—	Elective .....	3
—	—	University Core .....	3
			—
			15

<i>Spring Semester</i>			S.H.
ELEC	402	Senior Project .....	3
ELEC	424	Communications II .....	3
ELEC	—	Elective .....	3
ENGR	400	Senior Seminar .....	1
—	—	Elective .....	3
—	—	University Core .....	3
			—
			16

The proper sequence of all courses should be discussed with the student's advisor.

## Computer Engineering Emphasis within the Electrical Engineering Major

(129 S.H.)

### Major Requirements:

Lower Division Requirements:

CHEM 110, 111; ELEC 232, 281; ENGR 100, 172, 200, 250; MATH 131, 132, 234, 245; MECH 212; PHYS 101, 103, 201, 203; CMSI 185, 281, 284.

Upper Division Requirements:

ELEC 301, 302, 333, 353, 354, 371, 383, 401, 402, 423, 424; CMSI 342, 371, 386 or 387; MATH 355; ENGR 400.

### Electives:

One ELEC or CMSI elective.

### Freshman Year

<i>Fall Semester</i>			S.H.
CHEM	110	Chemistry I .....	3
CHEM	111	Chemistry I Lab .....	1
ENGR	100	Intro to Engineering .....	4
ENGL	110	College Writing I .....	3
MATH	131	Calculus I .....	4
			—
			15

<i>Spring Semester</i>			S.H.
ENGR	172	Engineering Graphics .....	2
MATH	132	Calculus II .....	4
PHYS	101	Intro to Mechanics .....	4
PHYS	103	Intro to Mechanics Lab .....	0
—	—	University Core .....	3
—	—	University Core .....	3
			—
			16

### Sophomore Year

<i>Fall Semester</i>			S.H.
CMSI	185	Computer Programming .....	3
ENGR	200	Statics .....	3
ENGR	250	Intro to Engr Design .....	2
MATH	234	Calculus III .....	4
PHYS	201	Intro to Elec & Mag .....	4
PHYS	203	Intro to Elec & Mag Lab .....	0
			—
			16

<i>Spring Semester</i>			S.H.
ELEC	232	Circuits .....	4
ELEC	281	Logic Design .....	3
MATH	245	Diff. Equations .....	3
MECH	212	Materials Science .....	3
—	—	University Core .....	3
			—
			16

**Junior Year**

<i>Fall Semester</i>		S.H.
CMSI	281 Data Structures/Algorithms .....	3
ELEC	301 Junior Lab I .....	3
ELEC	333 Circuit Applications .....	2
ELEC	353 Electronics I .....	3
MATH	355 Meth of Appl Mathematics .....	3
—	— University Core .....	3
		17

<i>Spring Semester</i>		S.H.
CMSI	284 Computer System Org .....	3
ELEC	302 Junior Lab II .....	3
ELEC	354 Electronics II .....	3
ELEC	371 Linear Systems .....	3
ELEC	383 Intro to Microprocessors .....	3
		15

**Senior Year**

<i>Fall Semester</i>		S.H.
ELEC	401 Senior Lab I .....	3
ELEC	423 Communications I .....	3
CMSI	— Elective .....	3
—	— University Core .....	3
—	— University Core .....	3
—	— University Core .....	3
		18

<i>Spring Semester</i>		S.H.
ELEC	402 Senior Project .....	3
ELEC	424 Communications II .....	3
ENGR	400 Senior Seminar .....	1
—	— Elective .....	3
—	— University Core .....	3
—	— University Core .....	3
		16

The proper sequence of all courses should be discussed with the student's advisor.

**Computer Science Curriculum***(124 S.H.)***Major Requirements:**

Lower Division Requirements:

CMSI 185, 186, 281, 282, 284; ELEC 281; MATH 131, 132, 248.

Upper Division Requirements:

CMSI 371, 385, 386, 387, 401, 402, 486, 488; ELEC 384, 385; MATH 360, 366.

**Electives:**

Twenty-one (21) semester hours designated as electives are to be selected as follows:

- (a) At least nine semester hours to be selected from:
- 300 and 400-Level CMSI courses and/or MATH 321, 331, 357, 471 or 500-Level MATH courses.
- (b) At least twelve semester hours of science electives, including a two-semester sequence of laboratory science.

**Freshman Year**

<i>Fall Semester</i>		S.H.
CMSI	185 Computer Programming .....	3
ENGL	110 College Writing I .....	3
MATH	131 Calculus I .....	4
—	— Science Elective .....	4
—	— University Core .....	3
		17

<i>Spring Semester</i>		S.H.
CMSI	186 Programming Laboratory .....	3
MATH	132 Calculus II .....	4
—	— Science Elective .....	4
—	— University Core .....	3
—	— University Core .....	3
		17

**Sophomore Year**

<i>Fall Semester</i>			S.H.
CMSI	281	Data Struct/Algorithms I .....	3
MATH	248	Intro to Methods of Proof .....	3
—	—	Science Elective .....	4
—	—	Elective .....	3
—	—	University Core .....	3
			—
			16

<i>Spring Semester</i>			S.H.
CMSI	282	Data Struct/Algorithms II .....	3
CMSI	284	Computer Systems Org. ....	3
ELEC	281	Logic Design .....	3
MATH	360	Prob and Statistics .....	3
—	—	University Core .....	3
			—
			15

**Junior Year**

<i>Fall Semester</i>			S.H.
CMSI	371	Computer Graphics .....	3
CMSI	385	Intro to Theory of Comp .....	3
CMSI	386	Programming Languages .....	3
ELEC	384	Intro to Microprocessors .....	3
—	—	University Core .....	3
			—
			15

<i>Spring Semester</i>			S.H.
CMSI	387	Operating Systems .....	3
ELEC	385	Computer Systems Design .....	3
MATH	366	Discrete Methods .....	3
—	—	Elective .....	3
—	—	University Core .....	3
			—
			15

**Senior Year**

<i>Fall Semester</i>			S.H.
CMSI	401	Software Eng Lab .....	3
CMSI	486	Intro to Database Systems .....	3
—	—	Elective .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			—
			15

<i>Spring Semester</i>			S.H.
CMSI	402	Senior Project Lab .....	4
CMSI	488	Compiler Construction .....	4
—	—	University Core .....	3
—	—	University Core .....	3
			—
			14

The proper sequence of the University core courses should be discussed with the student's advisor.

**Electrical Engineering****211 Electronics and Instrumentation**

*3 Semester Hours*

Introduction to circuit principles, amplifiers, op-amps, digital components and systems, power and machines. Instrumentation techniques are emphasized in the lab.

For engineering and science majors.

Lecture, 3 hours; Laboratory, 2 hours in alternate weeks.

Prerequisite: Sophomore standing.

**232 Circuits**

*4 Semester Hours*

Introduction to techniques in electrical circuit analysis, including branch, node and mesh methods; Thevenin and Norton theorems; step and sinusoidal responses of RLC circuits; operational amplifier circuits; single phase power; mutual inductance, transformers, resonance.

Lecture, 4 hours.

Prerequisites: MATH 132; ENGR 150 or CMSI 185;

PHYS 201 recommended.

**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 100 or MATH 101 or placement into Math 111 or higher.

---

**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.

---

**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, 4 hours.

Prerequisites: ELEC 281 and concurrent enrollment in ELEC 333 and 353 or permission of the instructor.

---

**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, concurrent enrollment in ELEC 354 and 383.

---

**333 Circuit Applications***2 Semester Hours*

Laplace transform applications, network functions, frequency response, analog filters.

Lecture, 2 hours.

Prerequisites: ELEC 232, MATH 245.

---

**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.

Prerequisites: ELEC 232; MATH 132; MECH 212.

---

**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 multi-transistor circuits, large signal limitations, feedback techniques, amplifier stability and oscillators.

Lecture, 3 hours.

Prerequisite: ELEC 353.

---

**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: PHYS 201; MATH 355.

---

**371 Linear Systems***3 Semester Hours*

Time and frequency domain analysis of continuous and discrete linear systems including simulation diagrams, state variable analysis, Laplace, Fourier and Z transforms.

Lecture, 3 hours.

Prerequisites: MATH 355; ELEC 333.

---

**383 Introduction to Microprocessors (ELEC)***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.

**384 Introduction to Microprocessors (CMSI)***3 Semester Hours*

Basic concepts in design and organization of microprocessor-based systems. Assembly language programming of microprocessors and the use of peripheral devices in solving application designs.

Lecture, 3 hours.

Prerequisites: ELEC 281; CMSI 284.

**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.

Prerequisite: ELEC 383 or 384.

**398 Special Studies***1-4 Semester Hours***399 Independent Studies***1-4 Semester Hours***401 Senior Lab I**

Course is intended to provide a laboratory experience related to other senior level courses; emphasis is on design and technical report writing.

Laboratory, 4 hours.

Prerequisites: ELEC 302, 354, and 383.

**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. Non-technical considerations in design are considered. 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 354, 401, 423.

**423 Communications I***3 Semester Hours*

Introduction to signals, spectra, Fourier Transforms, AM, FM and digital communication systems.

Lecture, 3 hours.

Prerequisite: ELEC 371.

**424 Communications II***3 Semester Hours*

Probability and random processes, correlation and power spectral density, noise and signal detection, analysis of communication links will be discussed.

Lecture, 3 hours.

Prerequisite: ELEC 423, or permission of the instructor.

**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.

**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.

---

**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.

---

**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.

Prerequisites: Senior standing and permission of instructor.

---

**498 Special Studies***1-4 Semester Hours***499 Independent Studies***1-4 Semester Hours***521 Introduction To Communication Systems***3 Semester Hours*

The concept of signal formulation, modulation, transmission and reception, and demodulation of signals in noise will be discussed.

Prerequisites: ELEC 532 and ELEC 423, or equivalents.

---

**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.

---

**532 Probability and Random Processes***3 Semester Hours*

A study of the concepts of probability, random variables and stochastic processes. The topics of correlation, power spectral density, and linear mean-square estimation are included.

Prerequisite: Senior or graduate standing.

---

**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.

---

**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.

---

**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.

Prerequisite: ELEC 383 or permission of instructor.

---

---

**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.

---

**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.

---

**584 Introduction To Microprocessors II***3 Semester Hours*

Design and applications of 16-bit microprocessors. Topics include: basic concepts, software, architecture, programming, interfacing and system design. (Not open to students with credit in ELEC 384.)

Prerequisite: ELEC 383 or equivalent.

---

**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.

---

# Computer Science

---

**182 Introduction To Computer Science***3 Semester Hours*

Great ideas in computer science, including some programming using a high-level programming language.

Lecture, 3 hours.

---

**185 Computer Programming***3 Semester Hours*

Introduction to computer programming using Java.

Enrollment is limited to CMSI majors, CMSI minors, and EEs in computer engineering emphasis.

Lecture, 3 hours.

---

**186 Programming Laboratory***3 Semester Hours*

Workshop in programming, treating one application per week in a laboratory setting. Topics include numerical techniques, discrete-event simulation, backtrack algorithms, random-number generation, file manipulation, encryption, dynamic programming, and randomization.

For majors and minors only.

Prerequisite: CMSI 185.

---

**251 Graphics for Digital Multimedia***3 Semester Hours*

Image acquisition, construction and enhancement using tools like Adobe Photoshop, palettes, color selection and image composition, structure of user interfaces, 3-D modeling, shading, basics of computer animation.

Lecture, 3 hours.

---

**252 Multimedia Authoring Languages***3 Semester Hours*

Creation of programs (scripts) for interactive multimedia using languages like Icon Author and Director, construction of user interfaces, integration and editing of still images, audio, and video, building computer-based training and entertainment applications, languages for the entertainment industry.

Lecture, 3 hours.

---

**261 Epistemological Foundations of Computer Science***3 Semester Hours*

A study of the philosophical and epistemological roots of computer science. Topics include: language, thought, cognition, logic, computation, the Church-Turing thesis, computer programming and artificial intelligence.

Lecture, 3 hours.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**281 Data Structures and Algorithms I***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, fundamental algorithmic patterns, introduction to computational complexity.

Lecture, 3 hours.

Prerequisite: CMSI 185.

---

**282 Data Structures and Algorithms II***3 Semester Hours*

Continuation of CMSI 281 with emphasis on discrete mathematical foundations. Topics include: graph theory and graph algorithms, advanced string processing algorithms including compression and encryption, combinations and permutations, recursion and recurrence relations.

Lecture, 3 hours.

Prerequisite: CMSI 281.

---

**284 Computer System Organization***3 Semester Hours*

Topics include: data representations (especially numerical data), instructions and instruction formats, assemblers and assembly languages, linking and loading, design of single-user operating systems, emphasizing personal computer operating systems, interrupt and device-handling; user-system interfaces, file management, mixed-language programming.

Lecture, 3 hours.

Prerequisite: CMSI 281.

---

**298 Special Studies***1-3 Semester Hours*

---

**299 Independent Studies***1-3 Semester Hours*

---

**342 Object Technologies***3 Semester Hours*

Software design and implementation using object-oriented and component technologies. Topics include: object-oriented principles such as classes, interfaces, inheritance, polymorphism and message passing, object-oriented languages, componentware, software architecture, design patterns, UML, COM and COBRA.

Lecture, 3 hours.

Prerequisite: CMSI 281.

---

**361 Internet Technologies***3 Semester Hours*

History of the internet and basics of its operation. Topics include: protocols, HTML, Perl, Java, VRML, writing CGI scripts, building web applications using tools such as Fusion, third generation web authoring tools, serving multimedia content from databases, three-dimensional interactive virtual worlds, current trends and future directions.

Lecture, 3 hours.

---

**362 Educational and Instructional Multimedia***3 Semester Hours*

Design of interactive applications for effective educational and instructional purposes, combining proven educational theories and techniques with capable use of technological media. Compact disc, WWW-based and dedicated device trainers. Survey of existing successful and unsuccessful products.

Lecture, 3 hours.

---



---

**371 Computer Graphics***3 Semester Hours*

Introduction to interactive computer graphics, emphasizing raster-scan techniques. Topics include the design and use of graphics packages and standards, graphics engines, animation, the user-system interface, three dimensional modeling, ray tracing, and fractal geometry.

Lecture, 3 hours.

Prerequisite: CMSI 281.

---

**385 Introduction to the Theory of Computation***3 Semester Hours*

Introduction to the formal theory of computation. Topics include: finite automata; phrase-structure grammars; context-free languages and pushdown automata; Turing machines and computability.

Lecture, 3 hours.

Prerequisites: CMSI 281; MATH 248.

---

**386 Programming Languages***3 Semester Hours*

Introduction to the principles of programming language design, including syntactic and semantic issues. Topics include: scope and extent, procedures and functions, types, modules, exception handling, concurrency and semantics. Examples are taken from Ada, C++, Java, Pascal, ML, Prolog and Smalltalk.

Lecture, 3 hours.

Prerequisite: CMSI 284.

---

**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. Major emphasis is placed on UNIX and NT architectures and C-language system programming.

Lecture, 3 hours.

Prerequisite: CMSI 284.

---

---

**398 Special Studies***1-4 Semester Hours*

---

**399 Independent Studies***1-4 Semester Hours*

---

**401 Software Engineering Lab***3 Semester Hours*

Design and implementation of large programs in a group setting, using principles of modularization, abstraction, and information hiding.

Lecture and Laboratory, 4 hours.

Prerequisite: Consent of instructor.

---

**402 Senior Project Lab***4 Semester Hours*

Development of a large-scale, individual project.

Lecture and Laboratory, 4 hours.

Prerequisite: Consent of instructor.

---

**461 Multimedia Design***3 Semester Hours*

Multimedia program development, including project concept, audience analysis, needs analysis, creative and visual treatments, CD-ROM and World Wide Web technical issues, interface design, media formats, authoring languages, and multimedia project management. A project requires that students design a multimedia program leading to a proof-of-concept prototype.

Lecture, 3 hours.

Prerequisite: Consent of instructor.

---

**462 Multimedia Production***3 Semester Hours*

Production of medium to large-scale multimedia programs including usability analysis, detailed design, script writing, media production, audio production, graphics production, authoring, program engine development, media integration, packaging, marketing, and duplication. A project requires that students produce a multimedia program leading to a web site and CD-ROM distribution.

Lecture, 3 hours.

Prerequisite: CMSI 461.

---

**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, 385.

---

**485 Artificial Intelligence***3 Semester Hours*

Introduction to the theory and applications of artificial intelligence. Topics include heuristic search theory, knowledge representation and symbolic reasoning and machine learning.

Lecture, 3 hours.

Prerequisites: CMSI 385, 386.

---

**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 languages, file structures, indexing, concurrency control, knowledge bases and logic and distributed systems.

Lecture, 3 hours.

Prerequisite: CMSI 386.

---

**488 Compiler Construction***4 Semester Hours*

Introduction to the theory and design of translators for high-level computer programming languages. Topics include scanner construction, parser construction, code generation and optimization. Coursework includes implementation of a compiler.

Lecture, 3 hours.

Prerequisites: CMSI 385, 386.

---

**498 Special Studies***1-4 Semester Hours***499 Independent Studies***1-4 Semester Hours***583 Theory of Computation***3 Semester Hours*

Finite automata, regular expressions; left- and right-linear grammars, turing machines and unrestricted grammars, computability and decidability, and complexity and introduction to the theory of NP-completeness.

Lecture, 3 hours.

Prerequisite: CMSI 281.

---

**585 Programming Languages***3 Semester Hours*

A study of major programming languages, concepts, features, and implementation. Topics include: scope and extent, procedures and functions, types, modules, exception handling, concurrency and semantics. Examples are taken from Ada, ML, Prolog and Smalltalk.

Prerequisites: CMSI 284, 386.

---

**587 Operating Systems***3 Semester Hours*

Topics in the design of operating systems with emphasis on large-scale multiprocessing, multiprogramming and distributed environments. Topics include process scheduling, interprocess communication, I/O management, virtual memory management, file systems, and network, distributed, and real-time operating systems.

Prerequisite: CMSI 284.

---

**588 Compiler Construction***3 Semester Hours*

Topics in the theory and design of compilers and interpreters for high-level programming languages, including scanners and scanner-generators, context-free grammars and pushdown automata, parser construction, code generation, syntax-directed translation, error analyzers and recovery, code generation, and optimization and data-flow analysis.

Lecture, 3 hours.

Prerequisites: CMSI 583, 585.

# 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 advisor advises all engineering students during the first three semesters. Students must consult each semester with the 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 Registrar's Office must be informed whenever a student changes or declares a major.

## General Engineering Curriculum

### Freshman Year

<i>Fall Semester</i>			S.H.
CHEM	110	Chemistry I .....	3
CHEM	111	Chemistry I Lab .....	1
ENGR	100	Intro to Engineering .....	4
ENGL	110	College Writing I .....	3
MATH	131	Calculus I .....	4
_____			15

<i>Spring Semester</i>			S.H.
ENGR	150	Algorithms & Applications .....	3
ENGR	151	Algorithms & Applications Lab ....	0
ENGR	172	Engineering Graphics .....	2
MATH	132	Calculus II .....	4
PHYS	101	Intro to Mechanics .....	4
PHYS	103	Intro to Mechanics Lab .....	0
_____	_____	University Core .....	3
_____			16

### Sophomore Year

<i>Fall Semester</i>			S.H.
ENGR	200	Statics .....	3
ENGR	250	Intro to Engr Design .....	2
MATH	234	Calculus III .....	4
PHYS	201	Intro to Elec & Mag .....	4
PHYS	203	Intro to Elec & Mag Lab .....	0
_____	_____	University Core .....	3
_____			16

### 100 Introduction to Engineering Analysis and Problem Solving

*4 Semester Hours*

This course is designed to excite an interest in the engineering profession, establish a foundation of proper study skills, encourage creativity, stimulate cooperative learning, enhance communication skills, improve problem solving skills, introduce the design process and develop a working knowledge of spreadsheets and word processing.

Lecture, 2 hours; Workshop, 3 hours.

### 150 Algorithms and Applications

*3 Semester Hours*

The development of algorithms for the computer solution of engineering problems and the implementation of the algorithms using spreadsheets and programming languages.

Lecture, 3 hours.

Corequisite: ENGR 151.

### 151 Algorithms and Applications Lab

*0 Semester Hours*

Concurrent laboratory workshop for ENGR 150.

Laboratory, 1 hour.

Corequisite: ENGR 150.

---

## **172 Engineering Graphics**

*2 Semester Hours*

Visualization, sketching and drawing of 2 and 3-dimensional objects using perspective, isometric, oblique and orthographic projection techniques. Traditional (manual) drafting and computer-aided drafting using AutoCAD are both emphasized. Layout, detail and assembly drawings for product design and fabrication are completed.

Lecture, 1 hour; Laboratory, 2 hours.

---

## **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; PHYS 101.

---

## **250 Introduction to Engineering Design**

*2 Semester Hours*

Introduction to engineering design: design as a process, design as a team activity and communications as a critical step in the design process. Included: techniques for forming teams, reverse engineering project, projects in the various engineering disciplines, prototype building & testing, design presentations and design reports.

Lecture, 1 hour; Workshop, 2 hours.

Prerequisites: ENGR 100, 150 and 172 or consent of instructor. (CMSI 185 may be substituted for ENGR 150 as a prerequisite).

---

## **400 Senior Seminar**

*1 Semester Hour*

Presentations by outside practicing engineers and University faculty emphasizing multidisciplinary projects, professional ethics, economics, societal and global issues, lifelong learning and contemporary engineering issues.

Lecture, 1 hour.

Prerequisite: Senior standing.

---

# Mathematics

## Faculty:

Chairperson: Michael D. Grady

Professors: Lev Abolnikov, Michael Berg, Jacqueline M.

Dewar, Michael D. Grady, Suzanne Larson, David M.

Smith, Connie J. Weeks, Warren S. Wright, Dennis G. Zill

Associate Professors: Herbert A. Medina, Thomas

Zachariah

Assistant Professors: Carolyn M. Ervin, Carol E. Fan, Lily

S. Khadjavi, Patrick D. Shanahan

## Objectives:

Mathematics, as an intellectual creation of humans, is both an art and a powerful tool for problem solving. A mathematics major sees both aspects of the subject through a broad spectrum of courses in applied, computational, and pure mathematics. Career opportunities are available in teaching, industry, and business. The department also provides undergraduate preparation for those who wish to enter graduate programs in a variety of disciplines.

The mathematics department serves other departments such as physics, chemistry, engineering, biology, business, economics, liberal studies, psychology, and sociology by providing these fields programs of courses calculated to best serve their majors.

## Mathematics Placement Examination:

The purpose of this examination is to determine the level of preparation of the student and to place him/her 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 who are majoring in the College of Science and Engineering, the College of Business Administration, or who are Economics majors or Liberal Studies majors must take the mathematics placement examination. Psychology majors are required to take MATH 154. All other majors are required to take MATH 100 (see the section on Proficiency in Mathematics).

All students transferring into the College of Science and Engineering, 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 or higher level college mathematics class approved by the Mathematics Department before entering LMU.

Any student, no matter his or her major, planning to take MATH 111, 112, 120, 122, 131, or 306 and who has not transferred a college algebra or higher level college mathematics class is required to first take the mathematics placement examination.

## General Requirements:

In addition to the core curriculum requirements, students majoring in mathematics must take a minimum of 7 semester hours from Biology, Chemistry, or Physics, excluding courses numbered from 260-279 (PHYS 101 is required; PHYS 201 is recommended).

## Major Requirements:

Lower Division Requirements:

CMSI 182 or 185; MATH 131, 132, 190, 191, 234, 245, 248, 250, 282 and PHYS 101, 103. A grade of at least C (2.0) will be required in each of these courses.

Upper Division Requirements:

A major in mathematics is required to take the following courses: MATH 321, 322, 331, 357, 360, 471 or 550, 491 or 495, and one of 561, 562, or 582. In addition, the student must complete two more 3 unit upper division mathematics courses chosen in consultation with the student's advisor.

These courses must be completed with a cumulative grade point average of C (2.0) or better.

Secondary Teaching: Students interested in obtaining a secondary mathematics teaching credential will have to fulfill all of the requirements for the major in mathematics with the following modifications:

1. MATH 550 as opposed to a choice between Math 471 and Math 550
2. MATH 490
3. One upper division mathematics elective instead of two.

These requirements are set out in more detail in the Fall 1994 Program Review Document for the Subject Matter Credential Program in mathematics, which has been approved by the State of California Commission on Teacher Credentialing. Students interested in obtaining a secondary teaching credential should make their advisor aware of their interest as soon as possible. These students need to coordinate their program with the School of Education as well.

**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 in biomathematics through the Individualized Studies Program.

Any deviation from the above programs requires formal approval of the student's advisor and the department chairperson.

### Minor In Applied Mathematics Requirements:

At least 24 semester hours including MATH 131, 132, 234, 245; MATH 355, 360 or 366; MATH 560, 562 or 321; and 3 additional upper division semester hours chosen in consultation with the applied mathematics minor advisor or MATH 248 and 250 (this option requires 27 semester hours). An average of at least C (2.0) will be required in the courses included in the minor.

### Minor in Pure Mathematics Requirements:

At least 24 semester hours including MATH 131, 132; MATH 234 or 250; MATH 248; MATH 321, 357 or 471; MATH 331 or 350; and 3 additional upper division semester hours chosen in consultation with the pure mathematics minor advisor. An average of at least C (2.0) will be required in the courses included in the minor.

### Prerequisites:

Mathematics majors and minors are not permitted to enroll in any mathematics course without a minimum grade of C (2.0) in that course's prerequisite.

## Mathematics Curriculum

125 (S.H.)

## Freshman Year

<i>Fall Semester</i>		S.H.
ENGL	110	College Writing I ..... 3
MATH	131	Calculus I ..... 4
MATH	190	Workshop in Math I ..... 2
—	—	University Core ..... 3
—	—	University Core ..... 3
—	—	University Core ..... 3
		18

<i>Spring Semester</i>		S.H.
CMSI	182	Intro to Comp Sci ..... 3
MATH	132	Calculus II ..... 4
MATH	191	Workshop in Math II ..... 2
PHYS	101	Intro to Mechanics ..... 4
PHYS	103	Intro to Mechanics Lab ..... 0
—	—	University Core ..... 3
		16

## Sophomore Year

<i>Fall Semester</i>		S.H.
MATH	234	Calculus III ..... 4
MATH	248	Intro to Meth of Proof ..... 3
—	—	Science Elective ..... 3
—	—	University Core ..... 3
—	—	University Core ..... 3
		16

<i>Spring Semester</i>		S.H.
MATH	245	Differential Equations ..... 3
MATH	250	Linear Algebra ..... 3
MATH	282	Elem Num Methods ..... 3
—	—	University Core ..... 3
—	—	University Core ..... 3
		15

## Junior Year

<i>Fall Semester</i>		S.H.
MATH	321	Real Variables I ..... 3
MATH	331	Elem of Group Theory ..... 3
—	—	Math or Other Elective ..... 3
—	—	University Core ..... 3
—	—	University Core ..... 3
		15

<i>Spring Semester</i>		S.H.
MATH	322	Real Variables II ..... 3
MATH	___	Math Requirement ..... 3
___	___	Math or Other Upper Division Elective ..... 3
___	___	University Core ..... 3
___	___	Elective ..... 3
		15

## Senior Year

<i>Fall Semester</i>		S.H.
MATH	___	Math Requirement ..... 3
MATH	___	Math Requirement ..... 3
MATH	___	Math Elective ..... 3
___	___	Math or Other Upper Division Elective ..... 3
___	___	Elective ..... 3
		15

<i>Spring Semester</i>		S.H.
MATH	___	Math Requirement ..... 3
MATH	___	Math Requirement ..... 3
MATH	___	Math Elective ..... 3
___	___	Math or Other Upper Division Elective ..... 3
___	___	Elective ..... 3
		15

The proper sequence of the University Core courses should be discussed with the student's advisor.

### 099 Quantitative Skills for the Modern World Lab

0 Semester Hours

Concurrent laboratory for MATH 100.

Corequisite: MATH 100.

### 100 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 099.

### 101 Algebra

3 Semester Hours

Polynomials, rational expressions, exponents, radicals, equations in one and two variables, the quadratic formula, functions and graphs.

### 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.

### 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.

Prerequisite: MATH 111 or Mathematics Placement Examination.

### 120 Precalculus Mathematics

3 Semester Hours

Functions, trigonometry, exponential and logarithmic functions, analytic geometry.

Prerequisite: MATH 101 or Mathematics Placement Examination.

### 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.

Prerequisite: MATH 120 or Mathematics Placement Examination.

### 123 Calculus for the Life Sciences II

3 Semester Hours

Integration methods with applications, differential equations and modeling, and introduction to multivariate calculus.

Prerequisite: MATH 122 or equivalent.



**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.

**132 Calculus II***4 Semester Hours*

Techniques of integration, numerical methods of integration with error analysis, applications of the integral, improper integrals, infinite series, an introduction to parametric equations and polar coordinates.

Prerequisite: MATH 131 or equivalent.

**154 Elementary Statistics***3 Semester Hours*

Introduction to methods of inferential statistics, histograms, elementary probability, and random variables and distributions.

**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.

**191 Workshop in Mathematics II***2 Semester Hours*

A continuation of MATH 190.

**198 Special Studies***0-4 Semester Hours***199 Independent Studies***1-4 Semester Hours***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.

**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.

**248 Introduction to Methods of Proof***3 Semester Hours*

Number theory, sets, functions, equivalence relations, cardinality, methods of proof, induction, contradiction, contraposition.

Prerequisite: MATH 132.

**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 248, or consent of instructor.

**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 100 or MATH 101 or placement into MATH 111 or higher.

**262 A Survey of Mathematical Ideas***3 Semester Hours*

Basic principles, history and applications of selected topics from mathematics.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**263 Mathematics in the Modern World***3 Semester Hours*

A discussion of the history and applications of mathematics in modern society.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**282 Elementary Numerical Methods***3 Semester Hours*

Computer solutions of applied mathematical problems using Fortran, and Mathematica. Nonlinear equations, differentiation, integration.

Prerequisite: MATH 131.

---

**298 Special Studies***1-4 Semester Hours***299 Independent Studies***1-4 Semester Hours***306 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.

Not open to majors in mathematics.

Prerequisite: MATH 101 or Mathematics Placement Examination.

---

**307 Mathematics for Elementary Teachers II***3 Semester Hours*

Geometry, metric system, introduction to Logo, and introduction to probability and statistics.

Not open to majors in Mathematics.

Prerequisite: MATH 306.

---

**308 Mathematics for Elementary School Teachers Workshop I***1 Semester Hour*

Hands-on use of math manipulatives related to the elementary school concepts of sets, systems of numeration, fractions and decimals.

Prerequisite: MATH 306 or concurrent enrollment or consent of instructor.

---

**309 Mathematics for Elementary School Teachers Workshop II***1 Semester Hour*

Hands-on use of math manipulatives related to geometry, probability, and statistics appropriate to the elementary school mathematics curriculum.

Prerequisite: MATH 307 or concurrent enrollment or consent of instructor.

---

**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.

---

**322 Real Variables II***3 Semester Hours*

Infinite series, uniform convergence, power series, and improper integrals.

Prerequisite: MATH 321.

---

---

**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.

---

**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.

---

**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  $C$ , the spectral theorem.

Prerequisite: MATH 250.

---

**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 245.

---

**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.

---

**360 Introduction to Probability and Statistics***3 Semester Hours*

Descriptive statistics, probability, discrete and continuous random variables, sampling distributions, estimations of parameters, nonparametric methods, hypothesis testing, linear regression.

Prerequisite: MATH 123 or 132.

---

**366 Discrete Methods***3 Semester Hours*

An introduction to graph theory; trees; coloring; Eulerian circuits. Combinatorics; permutations and combinations; recurrence relations.

Prerequisites: MATH 248 and Junior standing.

---

**393 Mathematics Internship***1-3 Semester Hours*

Research or applied mathematical work conducted in an industrial, business, or government setting on a project designed jointly by an on-site supervisor and a departmental faculty member. Enrollment is subject to available opportunities and approval of the department chair. Suitable opportunities in an educational setting are also acceptable.

---

**398 Special Studies***1-4 Semester Hours***399 Independent Studies***1-4 Semester Hours***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.

---

**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.

---

**491 Senior Mathematics Seminar***3 Semester Hours*

---

**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.

Prerequisite: Senior standing or consent of instructor.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

**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 250.

---

**560 Advanced Topics in Probability and 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.

Prerequisite: MATH 360.

---

**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 182 or 185 or MATH 282, and MATH 250 or consent of instructor.

---

---

**562 Numerical Analysis***3 Semester Hours*

Numerical solutions of non-linear equations, interpolation, numerical differentiation, integration, and solution of differential equations.

Prerequisites: CMSI 182 or 185 or MATH 282, and MATH 245 or consent of instructor.

---

**568 Mathematical Methods of Operations Research***3 Semester Hours*

Linear and dynamic programming, network analysis, inventory control.

Prerequisite: MATH 360

---

**575 Introduction to Orbit Determination***3 Semester Hours*

A brief introduction to Banach and Hilbert spaces, the Projection Theorem, linear minimum variance estimates, the Kalman filter, variational equations and orbit determination examples. The final exam is a computer problem that involves tracking a spacecraft orbiting an asteroid by means of Doppler measurements.

Prerequisites: MATH 245, 250, and consent of instructor.

---

**582 Analysis of Algorithms***3 Semester Hours*

Design, comparison, and analysis of mathematical algorithms, including implementation and testing using Fortran.

Prerequisite: CMSI 182 or 185 or MATH 282 or consent of instructor.

---

**598 Special Studies***1-3 Semester Hours*

---

**599 Independent Studies***1-3 Semester Hours*

---

# Mechanical Engineering

## Faculty:

Chairperson: Rafiqul I. Noorani  
 Professors: Joseph P. Callinan, Omar S. Es-Said, Franklin E. Fisher, Gerald S. Jakubowski, Rafiqul I. Noorani, Bohdan W. Oppenheim  
 Associate Professor: Mel I. Mendelson

## Description:

Mechanical Engineering is the broadest in scope of all engineering fields. It is pertinent to a variety of engineering activities and products including vehicles for ground, sea, air, and space transportation, power plants, machines, manufacturing systems, structures and process plants. The Mechanical Engineering program provides a solid foundation for work in all of these fields. Engineering design is a major emphasis of the curriculum and is supported by modern, well equipped laboratories. Students participate in national competitions designing and building projects such as Formula SAE, human powered vehicles and Mini Baja ("off road") vehicles. The laboratories include the computer-aided design, engineering and manufacturing laboratory, the materials processing and structures laboratory, the thermal/fluids laboratory, the Engineering Design Center and the video/multimedia laboratory. The curriculum covers contemporary technology as well as the fundamentals for technologies of the 21st century. It is designed to prepare students for graduate school as well as for employment in industry.

The undergraduate program is augmented by graduate programs in Mechanical Engineering and in Engineering and Production Management. Undergraduate students can take 500 level graduate courses as electives. Part-time faculty of the graduate programs include individuals with world wide reputation in their fields.

## Accreditation:

The Mechanical Engineering program is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET).

## Mission

The mission of the Mechanical Engineering Department is to provide a high quality, practice-oriented, design-focused curriculum that prepares students for both graduate studies and leadership roles in industry.

## Objectives:

The Mechanical Engineering program emphasizes professional practice, life-long learning, leadership in society and personal fulfillment. The department provides an excellent undergraduate education to outstanding high school students who seek a broad practice-oriented and design-focused education.

The educational objectives of the Mechanical Engineering program, developed with the Mechanical Engineering Advisory Board, are to produce graduates who have:

1. An ability to succeed in professional practice and graduate school, and to pursue continuous learning after graduation.
2. A broad fundamental understanding of mathematics, science, engineering and computer software for analytically solving problems in mechanical engineering.
3. A capability in using creative problem solving, team and communication skills to effectively execute the mechanical engineering design process.
4. An ability to perform applied research work, experimental studies and to engage in competitive design projects.
5. A spirit of professionalism, ethics and service to society.

These objectives are accomplished through the major requirements, the core curriculum, design competitions, internships, professional society involvement, and extracurricular activities.

## Design in Mechanical Engineering:

Engineering design is the key task of the engineer. It is the process of creatively conceiving a system, component or process to meet a specified societal need in an optimal manner. While the resulting design must satisfy the appropriate specifications and constraints, consideration must also be given to economics, social impact, marketability, manufacturability, product support, environmental impact, safety and final disposition. The Mechanical Engineering faculty have adopted a methodology of design which guides the student through the design process. The steps of this methodology are studied and practiced in the Mechanical Engineering curriculum. The course descriptions, which follow, reflect how the design methodology is integrated throughout the curriculum.

## Mechanical Engineering Curriculum

133 (S.H.)

### Major Requirements:

Lower Division Requirements:

CHEM 110, 111, ELEC 211; ENGR 100, 150, 151, 172, 200, 250; MATH 131, 132, 234, 245; MECH 231, 240, 251; PHYS 101, 103, 201, 203.

Upper Division Requirements:

CIVL 300, 310, 395; ENGR 400; MATH 355; MECH 300, 312, 315, 334, 340, 341, 342, 353, 441, 445, 483, 484, 536, 550; Mechanical Engineering Elective (3 semester hours of 500 level MECH course work).

### Freshman Year

<i>Fall Semester</i>		S.H.
CHEM	110 Chemistry I .....	3
CHEM	111 Chemistry I Lab .....	1
ENGR	100 Intro to Engineering .....	4
ENGL	110 College Writing I .....	3
MATH	131 Calculus I .....	4
		—
		15

<i>Spring Semester</i>		S.H.
ENGR	150 Algorithms & Applications .....	3
ENGR	151 Algorithms & Applications Lab ....	0
ENGR	172 Engineering Graphics .....	2
MATH	132 Calculus II .....	4
PHYS	101 Intro to Mechanics .....	4
PHYS	103 Intro to Mechanics Lab .....	0
—	— University Core .....	3
		—
		16

### Sophomore Year

<i>Fall Semester</i>		S.H.
ENGR	200 Statics .....	3
ENGR	250 Intro to Engr Design .....	2
MATH	234 Calculus III .....	4
PHYS	201 Intro to Elec & Mag .....	4
PHYS	203 Intro to Elec & Mag Lab .....	0
—	— University Core .....	3
		—
		16

<i>Spring Semester</i>		S.H.
ELEC	211 Elec & Instrument .....	3
MATH	245 Diff Equations .....	3
MECH	231 Dynamics I .....	3
MECH	240 Eng Sys-1 .....	2
MECH	251 Thermodynamics .....	3
—	— University Core .....	3
		—
		17

### Junior Year

<i>Fall Semester</i>		S.H.
CIVL	300 Mech of Materials .....	3
CIVL	310 Fluid Mechanics .....	3
MECH	312 Materials Science .....	3
MECH	334 Dynamics II .....	3
MECH	341 Mech Lab-I .....	2
—	— University Core .....	3
		—
		17

<i>Spring Semester</i>		S.H.
CIVL	395 Engr Econ .....	3
MECH	300 Prof Seminar .....	1
MECH	340 Eng Sys-II .....	3
MECH	315 Metal/Matr .....	3
MECH	342 Mech Lab-II .....	2
MECH	353 Heat Transfer .....	3
—	— University Core .....	3
		—
		18

### Senior Year

<i>Fall Semester</i>		S.H.
MECH	441 Mech Lab-III .....	2
MECH	483 Elemts of Desn .....	3
MECH	536 Shock & Vibrat .....	3
MECH	550 CAM .....	2
—	— University Core .....	3
—	— University Core .....	3
		—
		16

<i>Spring Semester</i>			S.H.
ENGR	400	Senior Seminar .....	1
MATH	355	Meth of Appl Math .....	3
MECH	445	Prob & Stat .....	2
MECH	484	Mech Design .....	3
MECH	___	Mech Eng Elective .....	3
___	___	University Core .....	3
___	___	University Core .....	3
			18

*The proper sequence of the University Core courses should be discussed with the student's advisor.*

---

### **212 Materials Science**

*3 Semester Hours*

A study of metallic and ceramic materials emphasizing dependence of electrical and magnetic properties on solid state bonding forces and microstructure. Introductory design considerations. Term project on the electrical or magnetic properties of an engineering material.

ELEC majors only.

Lecture, 3 hours.

Prerequisites or Corequisites: CHEM 110, 111.

---

### **231 Dynamics I**

*3 Semester Hours*

Kinematics and kinetics of particles and rigid bodies, Newton's Laws, application of principles of work and energy, impulse and momentum, and vector approach.

Lecture, 3 hours.

Prerequisites: ENGR 200; MATH 234.

---

### **240 Engineering Systems I**

*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 and Lab, 2 hours.

---

### **251 Thermodynamics**

*3 Semester Hours*

The fundamental concepts of classical thermodynamics including properties, work and heat; first and second laws; entropy; irreversible processes and combustion; and thermodynamic analysis of engine, refrigeration, and propulsion systems. Design project required.

Lecture, 3 hours.

Prerequisites: Sophomore standing in engineering.

---

### **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.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

### **275 Energy and the Environment**

*3 Semester Hours*

The basic concepts of temperature, heat, and energy conversion; various methods of energy conversion including stationary electric power plants, nuclear energy, solar heating and cooling, wind energy, geothermal energy, and ocean thermal energy; the effects of energy conversion on the environment.

Lecture, 3 hours.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

### **298 Special Studies**

*1-3 Semester Hours*

---

### **299 Independent Studies**

*1-3 Semester Hours*

---

**300 Professional Seminar***1 Semester Hour*

Preparation for professional work and graduate studies. Resume and cover letter. Mock interviews. Career options: small, medium and large firms, consulting, government service. US and foreign graduate schools, patent, trademark and copyright law. Code of ethics for engineers. Professional societies. Total quality management.

Lecture, 1 hour.

---

**312 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. Introductory design considerations. Term project on the mechanical properties of an engineering material emphasizing their design limiting considerations.

Lecture, 3 hours.

Prerequisites: CHEM 110, 111.

Corequisite: MECH 341.

---

**315 Metallurgical and Materials Engineering***3 Semester Hours*

A concise introduction to the relationship of the microstructures and processing of metallic, ceramic, polymer and composite materials and their relation to the properties required in engineering design. An industrial case study is to be solicited and analyzed by each student.

Lecture, 3 hours.

Prerequisites: MECH 312; CIVL 300.

Corequisite: MECH 342.

---

**334 Dynamics II***3 Semester Hours*

Rigid body dynamics, rotating frame. Graphical methods for kinematics. Kinematics and elements of dynamics of planar linkages and gears. Synthesis of simple mechanisms. Rotor balancing. Computer simulations.

Lecture, 3 hours.

Prerequisite: MECH 231.

---

**340 Engineering Systems II***3 Semester Hours*

Process dynamics, instrumentation and feedback applied to automatic process control.

Lecture, 3 hours.

Prerequisite: MATH 245.

---

**341 Mechanical Engineering Lab I***2 Semester Hours*

Students, working in teams, implement experimental projects in the disciplines of material science, mechanics of materials, fluid mechanics and thermodynamics. Lab safety, instrumentation, test planning, data analysis and report writing are emphasized.

Lecture/Laboratory, 3 hours.

Prerequisite: Junior standing.

---

**342 Mechanical Engineering Lab II***2 Semester Hours*

A continuation of MECH 341 with projects in the disciplines of metallurgy and heat transfer. Lab safety, statistical data analysis and report writing are emphasized.

Lecture/Laboratory, 3 hours.

Prerequisite: MECH 341.

Corequisites: MECH 315, 353.

---

**353 Heat Transfer***3 Semester Hours*

The basic laws of conduction, convection, and radiation heat transfer. Thermal design of components and devices. Thermal analysis using numerical methods.

Lecture, 3 hours.

Prerequisite: Junior standing in Mechanical Engineering.

---

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours*

---



---

**441 Mechanical Engineering Lab III***2 Semester Hours*

Laboratory applications of vibrations and data acquisition; elasticity, buckling, material testing; compressible flow; and computer-aided manufacturing such as NC machining, rapid prototyping, investment casting and robotics.

Lecture/Laboratory, 3 hours.

Corequisite: MECH 550.

---

**445 Probability and Statistics***2 Semester Hours*

Fundamentals of probability and statistics. Conditional probability, independence, random variables, distributions, densities. Experimental error analysis. Statistical confidence. Sampling. Statistical process control, X-R charts. Quality assurance.

Lecture, 2 hours.

Prerequisite: Junior standing in Mechanical Engineering.

---

**483 Elements of Design***3 Semester Hours*

The philosophy of design. Development of the methods of design. Application of the analysis of mechanical systems for stress, deflection, buckling, fatigue and general reliability to the design of components such as springs, power screws, fasteners, bearings and gears.

Lecture, 3 hours.

Prerequisites: CIVL 300; MECH 334.

---

**484 Mechanical Engineering Design***3 Semester Hours*

Design projects. The philosophy and methodology of design is applied to the design of mechanical engineering systems. Steps include project definition, feasibility study, generation of candidate solutions, analysis, synthesis, decision making and component selection. Project record book, design drawings, design reviews, oral presentations and a final report are required.

Prerequisite: MECH 483.

---

---

**493 Mechanical Engineering Internship***1-3 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 a LMU mechanical engineering faculty member. The project must be approved by the departmental faculty. Senior standing is required.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

**500 Production Engineering and Total Quality***3 Semester Hours*

Introduction to Total Quality in engineering and production applications. TQ philosophy, rules and quantitative methods: Design of Experiments, Statistical Process Control. Bench marking, Quality Systems, Strategic Planning, M. Baldrige Awards and others. Review of manufacturing problems with emphasis on cross-disciplinary links. Class project.

Lecture/Seminar, 3 hours.

---

**516 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, design project.

Lecture, 3 hours.

Prerequisite: Senior standing in Mechanical Engineering.

---

**525 Advanced Mechanics of Materials***3 Semester Hours*

Application of bending, combined bending and axial loads, curved bars, energy methods, buckling and elastic stability, inelastic and plastic deformations to the design of mechanical components.

Lecture, 3 hours.

Prerequisite: Senior standing in Mechanical Engineering.

---

**527 Finite Elements Methods***3 Semester Hours*

Introduction to finite elements, theory and applications. Derivations of single elements, matrix application meshing loads, and computer exercises and applications of design.

Lecture, 3 hours.

Prerequisite: Senior standing in Mechanical Engineering.

---

**536 Shock and Vibration Engineering***3 Semester Hours*

Design of single and multidegree of freedom elastic mechanical systems, transient vibration analysis, shock spectra, matrix methods, numerical analysis techniques, discrete and continuous systems, and random vibrations.

Lecture, 3 hours.

Prerequisite: Senior standing in Mechanical Engineering.

---

**550 Computer-Aided Manufacturing***2 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 investment casting are introduced through lecture and laboratory work.

Lecture, 2 hours.

Prerequisites: CIVL 300; MECH 312.

Corequisite: MECH 441.

---

**558 Propulsion Systems***3 Semester Hours*

Fluid mechanical and thermodynamic analysis and design of propulsion systems and components: gas turbines, turbojets, turbofans, ramjets, and rockets. Computer-aided techniques utilized.

Lecture, 3 hours.

---

**560 Turbomachinery***3 Semester Hours*

Analysis and design of compressors, pumps and fans.

Lecture, 3 hours.

Prerequisite: Senior standing in Mechanical Engineering.

---

**571 Design of Fluid-Thermal Systems***3 Semester Hours*

The disciplines of thermodynamics, fluid mechanics and heat transfer are reviewed and their principles applied to the design, selection and analysis of pumps, pipes, heat exchangers and power plants. Other topics include availability analysis, optimization and design projects.

Lecture, 3 hours.

Prerequisite: Senior/Graduate standing.

---

**595 Senior Research***1-3 Semester Hours*

Research project consisting of experimental and/or theoretical studies under the direction of a faculty advisor.

Prerequisites: Senior standing and approval of department chairperson.

---

**598 Special Studies***1-3 Semester Hours*

Competition: Formal registration and active participation in any of the mechanical engineering team design competitions including: Formula SAE, SAE Mini-Baja, ASME human powered vehicle, Aero Design or other competitions approved by the department .

---

**599 Independent Studies***1-3 Semester Hours*

# Natural Science

*General Science Emphasis*  
*Environmental Science Emphasis*  
*Secondary Science Education Emphasis*

## Director:

James M. Landry

Traditionally the University has offered degree programs in the sciences and mathematics. Although these programs provide for a broad overall education, the major curricula requirements are by necessity somewhat restricted and limiting. The Natural Science major fills a need within the University for a more flexible general undergraduate degree program with an emphasis on natural sciences.

An unique opportunity available to all Natural Science majors which emphasizes the interdisciplinary nature of the program is the Biosphere 2 Center's Study Abroad in Arizona semester. As a partner school, Loyola Marymount University students can participate in the Environmental Science and Policy Programs offered by the Center. Natural Science majors are able to spend a semester at the Biosphere 2 Center and receive full credit for their work within the major.

## General Science Emphasis

The Natural Science major General Science emphasis is designed to serve those students interested in a broad education combining general science, engineering science, and liberal arts.

### Objectives:

The program is a fine preparation for students interested in the areas of law, business, elementary education, journalism, and other professions where a science background could be an asset. Also the program is designed to allow students to complete required courses and/or a major in a departmental area which qualifies them for graduate work such as physical therapy. Since the program is interdisciplinary, a student's advisor will be assigned by the Director of the Program from the appropriate members of the College of Science and Engineering Curriculum Committee.

### Major Requirements:

66 semester hours are to be taken from course offerings in the Departments of Biology, Chemistry, Mathematics, Natural Science, Physics, and Engineering.

### Lower Division Requirements:

One course must be taken in Natural Science. At least two courses numbered 100-259 must be taken from the Departments of Biology, Chemistry, Mathematics, and Physics. MATH 112, 122, or 131 must be included. 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 prerequisite courses.

### Upper Division Requirements:

24 semester hours must be taken in upper division offerings in the Departments of Biology, Chemistry, Natural Science, or Physics. This includes NTLS 301 or NTLS 375 and two upper division laboratory courses. Up to 6 semester hours of internship courses and undergraduate research courses can be counted toward the upper division science requirement.

This requirement includes completion of 3 semester hours of Independent Studies at the senior level to facilitate an integration of the student's science program.

A student must have a C (2.0) average in upper division science courses.

Courses required for admission to graduate work in physical therapy can be taken to fulfill requirements within the general science emphasis. Such courses include: BIOL 151, 152, 153, and 154; MATH 154; PSYC 100, 421, and 532; NTLS 480 and 495. Please see your advisor for details concerning this program.

### Minor Requirements:

One course must be taken in Natural Science. At least one course numbered 100-259 must be taken from the Departments of Biology, Chemistry, and Physics. For one of these disciplines, two courses numbered 100-259 must be taken. 6 semester hours from upper division offerings in science departments must be completed.

This minor is not available to students within the College of Science and Engineering.

## B.S. Degree in Natural Science

General Science Emphasis (124 S.H.)

### Freshman Year

<i>Fall Semester</i>		S.H.
BIOL	101	General Biology I ..... 3
BIOL	111	Biology I Lab ..... 2
CHEM	110	General Chemistry I ..... 3
CHEM	111	General Chemistry I Lab ..... 1
ENGL	110	College Writing I ..... 3
MATH	120	Pre-Calculus ..... 3
		—
		15

<i>Spring Semester</i>		S.H.
BIOL	102	General Biology II ..... 3
BIOL	112	General Biology II Lab ..... 2
CHEM	112	General Chemistry II ..... 3
CHEM	113	General Chemistry II Lab ..... 1
MATH	122	Calculus for the Life Sciences I... 3
—	—	University Core ..... 3
		—
		15

### Sophomore Year

<i>Fall Semester</i>		S.H.
—	—	Science Elective ..... 3
—	—	Science Elective ..... 3
—	—	University Core ..... 3
—	—	University Core ..... 3
—	—	University Core ..... 3
		—
		15

<i>Spring Semester</i>		S.H.
—	—	Science Elective ..... 3
—	—	Elective ..... 3
—	—	University Core ..... 3
—	—	University Core ..... 3
—	—	University Core ..... 3
		—
		15

### Junior Year

<i>Fall Semester</i>		S.H.
—	—	UD Science with Lab ..... 4
PHYS	253	General Physics I ..... 5
PHYS	255	General Physics I Lab ..... 0
—	—	University Core ..... 3
—	—	Elective ..... 3
		—
		15

<i>Spring Semester</i>		S.H.
NTLS	301	Environmental Science* ..... 3
PHYS	254	General Physics II ..... 5
PHYS	256	General Physics II Lab ..... 0
—	—	UD Elective ..... 3
—	—	UD Elective ..... 3
—	—	University Core ..... 3
		—
		17

\* or NTLS 375 Genetics

### Senior Year

<i>Fall Semester</i>		S.H.
—	—	UD Science with Lab ..... 4
—	—	UD Science ..... 3
—	—	UD Elective ..... 3
—	—	UD Elective ..... 3
—	—	University Core ..... 3
		—
		16

<i>Spring Semester</i>		S.H.
—	—	Independent Study ..... 3
—	—	UD Science with Lab ..... 4
—	—	UD Science ..... 3
—	—	UD Elective ..... 3
—	—	University Core ..... 3
		—
		16

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.

# Environmental Science Emphasis

## Objectives:

This program of study is excellent preparation for a wide range of opportunities within the field of environmental science. This is due to the strong background obtained in Biology, Chemistry, and Engineering. It is also excellent preparation for graduate studies in environmental science programs.

## Major Requirements:

### Lower Division Requirements:

BIOL 101, 102, 111, and 112; CHEM 110, 111, 112, 113, 220, 221, and 222; MATH 131, 132 (or MATH 122, 123), and 154; NTLS 101; PHYS 101, 103, 201 and 203 (or PHYS 253, 254, 255, and 256).

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 prerequisite courses.

### Upper Division Requirements:

35 upper division hours which will include: NTLS 301, 302, 330, 401 and 531; BIOL 318, 319, 361, and 362; CHEM 360; CIVL 504; and ENVS 300. Suitable elective courses (one required in NTLS; one required in CHEM) include NTLS 393, 398, 399, 493, 498, 499, 510, 512, 513, 534, 593, 598, 599; BIOL 312, 421, 422, 423; CHEM 340, 341, 350, 460, 461, 550; and CIVL 315, 514.

A student must have a C (2.0) average in upper division science courses.

## B.S. Degree in Natural Science

*Environmental Science Emphasis (126 S.H.)*

### Freshman Year

<i>Fall Semester</i>			S.H.
BIOL	101	General Biology I .....	3
BIOL	111	Biology I Lab .....	2
CHEM	110	General Chemistry I .....	3
CHEM	111	General Chemistry I Lab .....	1
ENGL	110	College Writing I .....	3
MATH	154	Elementary Statistics .....	3
NTLS	101	Intro to Environmental Science ..	2
			—
			17

<i>Spring Semester</i>			S.H.
BIOL	102	General Biology II .....	3
BIOL	112	General Biology II Lab .....	2
CHEM	112	General Chemistry II .....	3
CHEM	113	General Chemistry II Lab .....	1
MATH	131	Calculus I** .....	4
—	—	University Core .....	3
			—
			16

### Sophomore Year

<i>Fall Semester</i>			S.H.
CHEM	220	Organic Chemistry I .....	3
CHEM	221	Organic Chemistry I Lab .....	1
MATH	132	Calculus II** .....	4
NTLS	301	Environmental Science .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			—
			17

<i>Spring Semester</i>			S.H.
CHEM	222	Organic Chemistry II .....	3
NTLS	302	Environmental Science Lab .....	1
NTLS	330	Environmental Chemistry .....	3
PHYS	101	Intro to Mechanics* .....	4
PHYS	103	Intro to Mechanics Lab* .....	0
—	—	University Core .....	3
—	—	University Core .....	3
			—
			17

## Junior Year

<i>Fall Semester</i>			S.H.
BIOL	318	Ecology .....	3
BIOL	319	Ecology Lab .....	1
ENVS	300	Geology .....	3
PHYS	201	Intro to Elec & Mag* .....	4
PHYS	203	Intro to Elec & Mag Lab* .....	0
—	—	University Core .....	3
—	—	University Core .....	3

17

<i>Spring Semester</i>			S.H.
CHEM	360	Quantitative Analysis .....	4
CIVL	504	Applied Fluid Mechanics .....	2
NTLS	—	UD CIVL/ENVS .....	2
—	—	University Core .....	3
—	—	University Core .....	3

14

## Senior Year

<i>Fall Semester</i>			S.H.
NTLS	531	Principles of Water Quality .....	2
NTLS	—	UD Chemistry Elective .....	4
NTLS	—	UD Elective .....	2
—	—	University Core .....	3
—	—	University Core .....	3

14

<i>Spring Semester</i>			S.H.
BIOL	361	Microbiology .....	3
BIOL	362	Microbiology Lab .....	1
NTLS	401	Senior Seminar .....	3
—	—	UD Elective .....	3
—	—	UD Elective .....	4

14

*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.*

\* May be substituted with PHYS 253, 254, 255, 256.

\*\* May be substituted with MATH 122, 123.

## Secondary Science Education Emphasis

### Objectives:

This program of study provides a good grounding in basic scientific and mathematical principles appropriate for those interested in pursuing teaching careers at the secondary level. The program consists of: a breadth of knowledge requirement specifying courses in Biology, Chemistry, Geosciences, and Physics, a concentration requirement which allows for in-depth study in Biology or Chemistry, and an education requirement. The secondary school program is designed to meet the State Teacher Credential requirements for subject matter preparation in science and is currently under review.

### B.S. Degree in Natural Science

*Secondary Science Education Emphasis,  
Biology Concentration (124 S.H.)*

### Freshman Year

<i>Fall Semester</i>			S.H.
BIOL	101	General Biology I .....	3
BIOL	111	General Biology I Lab .....	2
CHEM	110	General Chemistry I .....	3
CHEM	111	General Chemistry I Lab .....	1
MATH	122	Calculus I* .....	3
ENGL	110	College Writing I .....	3

15

<i>Spring Semester</i>			S.H.
BIOL	102	General Biology II .....	3
BIOL	112	General Biology II Lab .....	2
CHEM	112	General Chemistry II .....	3
CHEM	113	General Chemistry II Lab .....	1
MATH	123	Calculus II .....	3
or MATH	154	Elementary Statistics .....	3
—	—	University Core .....	3

15

## Sophomore Year

<i>Fall Semester</i>			S.H.
BIOL	201	Cell Function .....	3
CHEM	220	Organic Chemistry I .....	3
PHYS	271	Astronomy .....	3
or NTLS	276	Atmospheric Science	
___	___	HIST 161 or POLS 135** .....	3
___	___	University Core .....	3
			15

<i>Spring Semester</i>			S.H.
BIOL	202	Genetics .....	3
BIOL	___	UD Biology elective .....	3
EDUC	500	SocioCultural Analysis of Ed .....	3
___	___	University Core .....	3
___	___	University Core .....	3
			15

## Junior Year

<i>Fall Semester</i>			S.H.
BIOL	318	Ecology .....	3
BIOL	319	Ecology Lab .....	1
PHYS	253	General Physics I .....	5
PHYS	255	General Physics I Lab .....	0
___	___	University Core .....	3
___	___	University Core .....	3
			15

<i>Spring Semester</i>			S.H.
PHYS	254	General Physics II .....	5
PHYS	256	General Physics II Lab .....	0
BIOL	475	Evolution .....	3
EDUC	502	Educ Psych for Adolesc Years .....	3
___	___	University Core .....	3
___	___	elective .....	3
			17

## Senior Year

<i>Fall Semester</i>			S.H.
ENVS	300	Geology .....	3
BIOL	___	UD Physiology Elective .....	4
BIOL	___	UD Plant Biology Elective .....	4
___	___	UD Biology Seminar .....	2
___	___	University Core .....	3
			16

<i>Spring Semester</i>			S.H.
NTLS	301	Environmental Science .....	3
NTLS	302	Environmental Science Lab .....	1
NTLS	491	Science Education Internship .....	3
EDUC	603	Theories in Second Lang Acq .....	3
___	___	University Core .....	3
___	___	University Core .....	3
			16

\* The course sequence in Mathematics depends on the results of the mathematics placement examination.

\*\* Completion of either course will satisfy a University Core requirement. Please see advisor for the proper sequence of the University Core courses.

## B.S. Degree in Natural Science

*Secondary Science Education Emphasis,  
Chemistry Concentration (124 S.H.)*

## Freshman Year

<i>Fall Semester</i>			S.H.
BIOL	101	General Biology I .....	3
BIOL	111	General Biology I lab .....	2
CHEM	110	General Chemistry I .....	3
CHEM	111	General Chemistry I Lab .....	1
MATH	122	Calculus I* .....	3
ENGL	110	College Writing .....	3
			15

<i>Spring Semester</i>			S.H.
BIOL	102	General Biology II .....	3
BIOL	112	General Biology II Lab .....	2
CHEM	112	General Chemistry II .....	3
CHEM	113	General Chemistry II Lab .....	1
MATH	122	Calculus II* .....	3
—	—	University Core .....	3
			15

## Sophomore Year

<i>Fall Semester</i>			S.H.
BIOL	201	Cell Function .....	3
CHEM	220	Organic Chemistry I .....	3
CHEM	221	Organic Chemistry I Lab .....	1
PHYS	253	General Physics I .....	5
PHYS	255	General Physics I Lab .....	0
—	—	HIST 161 or POLS 135** .....	3
			15

<i>Spring Semester</i>			S.H.
BIOL	222	Organic Chemistry II .....	3
BIOL	223	Organic Chemistry II Lab .....	1
PHYS	254	General Physics II .....	5
PHYS	256	General Physics II Lab .....	0
EDUC	500	Socio-Cultural Analysis Ed .....	3
—	—	University Core .....	3
			15

## Junior Year

<i>Fall Semester</i>			S.H.
CHEM	370	Introduction to Biochemistry .....	3
ENVS	300	Geology .....	3
PHYS	271	Astronomy .....	3
	(or NTLS 276)	Atmospheric Science)	
—	—	University Core .....	3
—	—	University Core .....	3
			15

<i>Spring Semester</i>			S.H.
CHEM	360	Quantitative Analysis .....	4
CHEM	330	Inorganic Chemistry .....	3
EDUC	502	Educ Psych for Adolesc Yrs .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			16

## Senior Year

<i>Fall Semester</i>			S.H.
CHEM	340	Physical Chemistry I .....	3
CHEM	341	Physical Chemistry I Lab .....	1
CHEM	—	UD Chemistry Elective .....	3
—	—	University Core .....	3
—	—	University Core .....	3
—	—	UD Elective .....	3
			16

<i>Spring Semester</i>			S.H.
NTLS	301	Environmental Science .....	3
NTLS	302	Environmental Science Lab .....	1
NTLS	491	Science Education Internship .....	3
EDUC	603	Theories in Second LangAcq .....	3
CHEM	491	Chemistry Seminar .....	1
—	—	University Core .....	3
—	—	University Core .....	3
			17

\* The course sequence in Mathematics depends on the results of the mathematics placement examination.

\*\* Completion of either course will satisfy a University core requirement. Please see advisor for the proper sequence of the University Core courses.

### 101 Introduction to Environmental Science 2 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.



---

**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.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**262 Science into the 21st Century***3 Semester Hours*

A survey course examining topics of current research and interest in science. Topics include: the scientific method, reproductive biology, the environment, evolution and creationism, science and religion, computers and society, planetary science and space exploration, disease, and drugs.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**270 Experimenting in Science I***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 physical and earth science.

Lecture, 3 hours; Lab, 2 hours.

Liberal Studies majors only.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**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; Lab, 2 hours.

Liberal Studies majors only.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**272 Technology and the Environment***3 Semester Hours*

Scientific principles applied to Environmental Management and Public Health. The historical perspective. Pollution control and planning in the area of water resources, solid and liquid waste management. Radiation and thermonuclear power production, fundamentals of energy.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**273 Earthquakes and Landslides***3 Semester Hours*

Examination of the processes that control the genesis and distribution of earthquakes, and review of methods of measuring and predicting earth movements.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**274 Volcanoes - Origins and Processes***3 Semester Hours*

Examination of volcanoes, their etiology, world-wide distribution, and evaluation of their impact on local and global ecologies.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

---

**275 Minerals***3 Semester Hours*

The study of geologic processes in mineral formation, world-wide distribution, and commercial value to human societies.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**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.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**298 Special Studies***1-4 Semester Hours*

---

**299 Independent Studies***1-4 Semester Hours*

---

**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.

Prerequisites: BIOL 101 and 102; CHEM 110 and 112.

---

**302 Environmental Science Lab***1 Semester Hour*

Use of standard tests in environmental science to determine chemical and biological species of interest in air, water, and soil systems.

Lecture and Laboratory, 3 hours.

---

---

**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.

Prerequisites: CHEM 112 and 113.

---

**375 Genetics***3 Semester Hours*

A study of Mendelian and molecular genetics.

Prerequisite: BIOL 201.

---

**391 Science Education Internship***1-4 Semester Hours*

Work on a project in science education either in the elementary school or secondary school setting or at another appropriate location.

---

**393 Environmental Science Internship***1-4 Semester Hours*

Work experience in the field of environmental science on a research, industry, or community-based project.

---

**395 Physical Therapy Internship***1-4 Semester Hours*

Work experience in physical therapy at a private facility, hospital, or athletic training facility.

---

**398 Special Studies***1-4 Semester Hours*

---

**399 Independent Studies***1-4 Semester Hours*

---

**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.

---

**480 Kinesiology***3 Semester Hours*

Analysis of the physics, anatomy, physiology, and psychology of movement mechanics and behavior.

**490 Natural Science Teaching***1-2 Semester Hours*

Guided teaching of undergraduate laboratories.

May be repeated for credit.

Requires consent of director.

**491 Science Education Internship***1-4 Semester Hours*

Work on a project in science education either in the elementary school or secondary school setting or at another appropriate location.

**493 Environmental Science Internship***1-4 Semester Hours*

Work experience in the field of environmental science on a research, industry, or community based project.

**495 Physical Therapy Internship***1-4 Semester Hours*

Work experience in physical therapy at a private facility, hospital, or athletic training facility.

**498 Special Studies***1-4 Semester Hours***499 Independent Studies***1-4 Semester Hours***510 Chemistry for Environmental Engineers***2 Semester Hours*

Review of inorganic chemistry with particular emphasis on solution equilibrium and gas-solid solution interaction.

Prerequisite: CHEM 110.

**512 Air Pollution Analysis***2 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.

**513 Solid Wastes Engineering***2 Semester Hours*

An application of current technology in the control, disposal, and recovery of value from solid wastes.

**531 Principles of Water Quality***2 Semester Hours*

Review of 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.

Prerequisite: Consent of director.

**534 Groundwater Management***2 Semester Hours*

Management of groundwater basins for optimum yield, quality, and environmental consideration, artificial recharge, methods of exploration, groundwater models, water rights, and conjunctive use of surface and groundwater.

**548 Hazardous Substances Management***2 Semester Hours*

The study of regulation and management strategies for environment programs (hazardous substances) including hazardous waste, asbestos, underground tanks, air pollution, and the California Environmental Quality Act.

**591 Science Education Internship***1-4 Semester Hours*

Work on a project in science education either in the elementary school or secondary school setting or at another appropriate location.

**593 Environmental Science Internship Workshop***1-4 Semester Hours*

Work experience in the field of environmental science on a research, industry, or community based project.

---

**598 Special Studies**

*1-4 Semester Hours*

---

**599 Independent Studies**

*1-4 Semester Hours*

---

# Physics and Engineering Physics

## Faculty:

Chairperson: Vincent P. Coletta  
 Professors: John B. Bulman, Vincent P. Coletta, Donald P. Merrifield, S.J., Jeff Sanny  
 Assistant Professor: Gabriele Varieschi  
 Adjunct Professors: A. Saleh-Jaromi, Hanford Weckbach, S.J.

## Physics

### 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. 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 which 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 110, 111, 112, 113; CMSI 185; MATH 131, 132, 234, 245; PHYS 101, 103, 201, 203, 202, 204, 212. 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 and one from MATH 350, 357 or 360; PHYS 301, 302, 321, 322, 411, 412, 421, 441, 451. To graduate, a student must have at least a 2.0 average in all upper division physics courses.

### Minor Requirements:

21 semester hours with at least 6 semester hours in upper division courses. These shall include PHYS 101, 103, 201, 202, 203, 204, or PHYS 253, 254, 255, 256.

A grade of C (2.0) is required for every course included in the minor.

## Engineering Physics

### 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.

### Major Requirements:

#### Lower Division:

CHEM 110, 111; ELEC 232, 281; ENGR 100, 150, 151, 172, 200, 250; MATH 131, 132, 234, 245; PHYS 101, 103, 201, 202, 203, 204, 212.

Each course in MATH and PHYS listed above must be passed with a grade of C (2.0) or better.

#### Upper Division:

MATH 355; ELEC 301, 353, 354; PHYS 301, 302, 321, 322, 412, 421, 441. Students must also take a two-course sequence in a technical area. Among the options are: ELEC 302 and ELEC 383; MECH 353 and PHYS 451; ELEC 371 and ELEC 423. To graduate, a student must have at least a 2.0 average in all upper division physics courses.

### Physics Curriculum

(124 S.H.)

### Freshman Year

<i>Fall Semester</i>		S.H.
CHEM	110	General Chemistry I..... 3
CHEM	111	General Chemistry I Lab..... 1
ENGL	110	College Writing I ..... 3
MATH	131	Calculus I ..... 4
—	—	University Core ..... 3

<i>Spring Semester</i>			S.H.
CHEM	112	General Chemistry II .....	3
CHEM	113	General Chemistry II Lab .....	1
MATH	132	Calculus II .....	4
PHYS	101	Intro to Mechanics .....	4
PHYS	103	Intro to Mechanics Lab .....	0
—	—	University Core .....	3
			—
			15

## Sophomore Year

<i>Fall Semester</i>			S.H.
CMSI	185	Computer Programming .....	3
MATH	234	Calculus III .....	4
PHYS	201	Intro Elec & Mag .....	4
PHYS	203	Intro Elec & Mag Lab .....	0
—	—	University Core .....	3
—	—	University Core .....	3
			—
			17

<i>Spring Semester</i>			S.H.
MATH	245	Diff. Equations .....	3
PHYS	202	Intro to Thermo & Optics .....	4
PHYS	204	Intro to Thermo & Optics Lab .....	0
PHYS	212	Intermediate Mechanics .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			—
			16

## Junior Year

<i>Fall Semester</i>			S.H.
MATH	355	Methods of Applied Math .....	3
PHYS	301	Electromagnetic Fields .....	3
PHYS	321	Quantum Physics I .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			—
			15

<i>Spring Semester</i>			S.H.
MATH	—	Major Requirements .....	3
PHYS	302	Electromagnetic Waves .....	3
PHYS	322	Quantum Physics II .....	3
—	—	University Core .....	3
—	—	Elective .....	3
—	—	Elective .....	2
			—
			17

## Senior Year

<i>Fall Semester</i>			S.H.
PHYS	411	Modern Physics Lab I .....	2
PHYS	441	Modern Optics .....	3
PHYS	451	Thermo and Stat Mech .....	3
—	—	University Core .....	3
—	—	Elective .....	3
—	—	Upper Division Elective .....	2
			—
			16

<i>Spring Semester</i>			S.H.
PHYS	412	Modern Physics Lab II .....	2
PHYS	421	Solid State Physics .....	3
—	—	University Core .....	3
—	—	Upper Division Elective .....	3
—	—	Upper Division Elective .....	3
			—
			14

## Engineering Physics Curriculum

(128 S.H.)

### Freshman Year

<i>Fall Semester</i>			S.H.
CHEM	110	General Chemistry I .....	3
CHEM	111	General Chemistry I Lab .....	1
ENGR	100	Intro to Engineering .....	4
ENGL	110	College Writing I .....	3
MATH	131	Calculus I .....	4
			—
			15

<i>Spring Semester</i>			S.H.
ENGR	150	Algorithms & Applications .....	3
ENGR	172	Engineering Graphics .....	2
MATH	132	Calculus II .....	4
PHYS	101	Intro to Mechanics .....	4
PHYS	103	Intro to Mechanics Lab .....	0
—	—	University Core .....	3
			16

**Sophomore Year**

<i>Fall Semester</i>			S.H.
ENGR	200	Statics .....	3
ENGR	250	Intro to Engr Design .....	2
MATH	234	Calculus III .....	4
PHYS	201	Intro Elec & Mag .....	4
PHYS	203	Intro Elec & Mag Lab .....	0
—	—	University Core .....	3
			16

<i>Spring Semester</i>			S.H.
ELEC	232	Circuits .....	4
MATH	245	Differential Equations .....	3
PHYS	202	Intro Thermo & Optics .....	4
PHYS	204	Intro to Thermo & Optics Lab .....	0
PHYS	212	Intermediate Mechanics .....	3
—	—	University Core .....	3
			17

**Junior Year**

<i>Fall Semester</i>			S.H.
ELEC	353	Electronics I .....	3
MATH	355	Methods of Applied Math .....	3
PHYS	301	Electromagnetic Fields .....	3
—	—	Elective* .....	3
—	—	University Core .....	3
			15

<i>Spring Semester</i>			S.H.
ELEC	281	Logic Design .....	3
ELEC	354	Electronics II .....	3
PHYS	302	Electromagnetic Waves .....	3
—	—	Elective* .....	3
—	—	University Core .....	3
			15

**Senior Year**

<i>Fall Semester</i>			S.H.
ELEC	301	Junior Lab I .....	3
PHYS	321	Quantum Physics I .....	3
PHYS	441	Modern Optics .....	3
—	—	Elective* .....	2
—	—	University Core .....	3
—	—	University Core .....	3
			17

<i>Spring Semester</i>			S.H.
PHYS	322	Quantum Physics II .....	3
PHYS	412	Advanced Lab II .....	2
PHYS	421	Solid State Physics .....	3
—	—	Elective* .....	3
—	—	University Core .....	3
—	—	University Core .....	3
			17

\* A two-course sequence in a technical area is required. Some recommended sequences are:

- a) ELEC 302 Junior Lab II and ELEC 383 Microprocessor Systems
- b) MECH 353 Heat Transfer and PHYS 451 Thermodynamics and Statistical Methods
- c) ELEC 371 Linear Systems and ELEC 423 Communications I

**101 Introduction to Mechanics**

*4 Semester Hours*

Vectors, equilibrium, Newton’s laws of motion, work and energy, impulse and momentum, harmonic motion, statics and dynamics.

Lecture, 3 hours.

Corequisites: MATH 131, PHYS 103.

**103 Introduction to Mechanics Lab***0 Semester Hours*

Laboratory experiments pertaining to mechanics. Measurements, projectile motion, friction, Newton's laws, torque.

Laboratory, 3 hours.

Corequisite: PHYS 101.

---

**150 Fundamental Ideas of Physics***4 Semester Hours*

Discussions and experiments on selected topics such as motion, electricity and magnetism, heat, sound and light.

Liberal Studies majors only.

Lecture, 3 hours; Laboratory, 1 hour.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

---

**198 Special Studies***1-4 Semester Hours***199 Independent Studies***1-4 Semester Hours***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. A.C. circuits.

Lecture, 3 hours.

Prerequisites: PHYS 101, 103; Corequisites: MATH 132, PHYS 203.

---

**202 Introduction to Thermodynamics and Optics***4 Semester Hours*

Elastic waves. The laws of thermodynamics, kinetic theory of gases. Electromagnetic waves. Geometrical and wave optics. Special Relativity.

Lecture, 3 hours.

Prerequisites: PHYS 101, 103.

Corequisites: MATH 132, PHYS 204.

---

**203 Introduction to Electricity & Magnetism Laboratory***0 Semester Hours*

Laboratory experiments pertaining to electricity and magnetism. Coulomb Law, static electricity, electric field plotting, circuits, charge/mass ratio for electron.

Laboratory, 3 hours.

Corequisite: PHYS 201.

---

**204 Thermodynamics and Optics Laboratory***0 Semester Hours*

Laboratory experiments pertaining to thermodynamics and optics. Thermal expansion of solid, specific heat, mechanical equivalent of heat, ray tracing, spherical mirrors, thin lens, optical model of the human eye.

Laboratory, 3 hours.

Corequisite: PHYS 202.

---

**212 Intermediate Mechanics***3 Semester Hours*

Kinematics and dynamics of single and multiparticle systems. Rigid bodies. Accelerating coordinate systems. Continuous media. Small vibrations.

Lecture, 3 hours.

Prerequisites: PHYS 101, 103.

Corequisite: MATH 245.

---



**253 General Physics I***5 Semester Hours*

Vectors. Equilibrium. Kinematics. Newton's laws of motion, energy, momentum, rotational motion, and harmonic motion. Fluid mechanics. Heat and thermodynamics.

Lecture, 4 hours.

Prerequisite: MATH 122 or equivalent.

Corequisite: PHYS 255.

**254 General Physics II***5 Semester Hours*

Electrostatics. Magnetism. Current, D.C. and A.C. circuits. Electromagnetic waves. Geometrical and wave optics. Bohr atom, radioactivity and nuclear physics.

Lecture, 4 hours.

Prerequisites: PHYS 253, 255.

NOTE: The PHYS 253-256 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.

**255 General Physics I Laboratory***0 Semester Hours*

Laboratory experiments pertaining to Mechanics, Thermodynamics, and Fluid Mechanics.

Laboratory, 2 hours.

Corequisite: PHYS 253.

**256 General Physics II Laboratory***0 Semester Hours*

Laboratory experiments pertaining to Electricity and Magnetism, Optics and Nuclear Physics.

Laboratory, 2 hours.

Corequisite: PHYS 254.

**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 100 or MATH 101 or placement into MATH 111 or higher.

**272 Physics***3 Semester Hours*

An introduction to basic principles of physics. History of the development of physical theories, and the effects of science and technology on the world.

Lecture, 3 hours.

Prerequisite: MATH 100 or MATH 101 or placement into MATH 111 or higher.

**298 Special Studies***1-4 Semester Hours***299 Independent Studies***1-4 Semester Hours***301 Electromagnetic Fields***3 Semester Hours*

Electrostatic and magnetic fields. Dielectric materials. Poisson's equation. Boundary value problems. Field energy. Vector potential.

Lecture, 3 hours.

Prerequisites: PHYS 201, 203.

Corequisite: MATH 355.

**302 Electromagnetic Waves***3 Semester Hours*

Faraday's law. Maxwell's equations. Plane waves in dielectrics and conductors. Sources of radiation, Lienard-Wiechert potentials. Scalar diffraction theory.

Lecture, 3 hours.

Prerequisite: PHYS 301.

**321 Quantum Physics I***3 Semester Hours*

Historical foundation for quantum theory. Schrodinger equation and solutions. Operators. Angular momentum. Hydrogen atom.

Lecture, 3 hours.

Prerequisites: PHYS 202, 204.

Corequisite: MATH 355.

---

**322 Quantum Physics II***3 Semester Hours*

Perturbation theory. Electron spin. Multi-electron atoms and their spectra. Molecular spectra. Models of the nucleus.

Lecture, 3 hours.

Prerequisite: PHYS 321.

---

**398 Special Studies***1-4 Semester Hours***399 Independent Studies***1-4 Semester Hours***411 Modern Physics Lab I***2 Semester Hours*

Project experiments in physical optics, optical spectroscopy, and atomic physics. Theoretical interpretation and statistical analysis are emphasized.

Lecture, 1 hour; Laboratory, 3 hours.

Corequisite: PHYS 321.

---

**412 Modern Physics Lab II***2 Semester Hours*

Project experiments in various areas of modern physics, especially nuclear physics and associated instrumentation. Theoretical interpretation and statistical analysis are emphasized.

Lecture, 1 hour; Laboratory, 3 hours.

Corequisites: PHYS 322, PHYS 441.

---

**421 Solid State Physics***3 Semester Hours*

Crystal structure, elastic properties of solids. Free electron Fermi gas. Energy band structure. Semiconductors, superconductivity.

Lecture, 3 hours.

Prerequisite: PHYS 321.

---

**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; occasional laboratory work.

Corequisite: PHYS 302.

---

**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 322.

---

**493 Physics/Engineering Physics Internship***1-3 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.

---

**498 Special Studies***1-4 Semester Hours***499 Independent Studies***1-4 Semester Hours*

---

---

# College of Communication and Fine Arts



# College of Communication and Fine Arts

## Administration

Dean: Thomas Kelly  
Associate Dean: Suzanne Frentz

## Objectives:

Based on a thorough background in the Liberal Arts, Loyola Marymount's College of Communication and Fine Arts offers majors in Animation, Art History, Communication Arts, Dance, Music, Studio Arts and Theatre Arts. Disciplines are concerned with exploring the place of the creative process within humanism. Many programs are professionally oriented with the departments seeking to produce individuals who are practitioners of the arts they profess.

## 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.

## 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.

## Core Curriculum for the Baccalaureate Degree in the College of Communication and Fine Arts:

### American Cultures

*3 Semester Hours*

#### Course Selection

First and second year students choose from any lower division course listed or cross-listed as AMCS. Third and fourth year students choose from any upper division course listed or cross-listed as AMCS. A single course will generally not fulfill two core requirements. The only exception is a course that satisfies another core requirement which is also cross-listed as AMCS.

### College Writing

*3 Semester Hours*

#### Course Selection

ENGL 110 or, if necessary, ENGL 112 will fulfill the college writing requirement. ENGL 100 will not fulfill the college writing requirement, but is required of certain students based on their performance in the essay written in all ENGL 110 sections during the first week of classes. A minimum grade of C (2.0) is required in ENGL 110. All students who receive a grade of C- or lower must enroll in ENGL 112 as soon as possible. Those students who wish may retake ENGL 110 to raise their grades, but only after they have successfully completed ENGL 112.

Choose: ENGL 110

### Communication or Critical Thinking

*3 Semester Hours*

#### Course Selection:

Communication: Choose from CMST 100, 110, 130 or 140.

OR

Critical Thinking: Choose from CMST 206, PHIL 220.

Communication Studies majors must choose CMST 100 or 206.

### Critical and Creative Arts

*6 Semester Hours*

#### Course Selection:

This requirement is satisfied by taking one course from Critical Arts and one course from Creative Arts.

Critical Arts: Choose from ANIM 100, ARHS 200, 201, 202, 321, 340, 345; DANC 281, 381; FILM 210, 314, 315; INDA 100; MUSC 102, 104, 303, 365; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349 or 430.

Creative Arts: Choose from ANIM 120, ART 150, 151, 153, 278, 280, 350; DANC 163; ENGL 205, 311 (Prerequisite 201), 312 (Prerequisite 202); FILM 260; MUSC 105, 106; SCWR 220 or THEA 110.

Students may not select courses in the Department of their major.

**History***6 Semester Hours***Course Selection**

This requirement is satisfied by taking one course from Western Civilization and one course from Contemporary Societies.

Western Civilization: Choose from HIST 100 or 101.

Contemporary Societies: Choose from HIST 152, 162, 172, 182 or 192.

**Literature***3 Semester Hours***Course Selection**

Prerequisite: Successful completion of college writing requirement.

Choose from CLAS 200, 210; 220, ENGL 130, 140, 150; 170; FNLT 180; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349 or 430.

**Mathematics, Science and Technology***6 Semester Hours***Course Selection**

Prerequisite: Demonstration of proficiency in mathematics by success in MATH 100 or a higher course.

All students take MATH 100 and one other course in Science and Engineering. The MATH 100 course is designed to allow students to attain a level of mathematical literacy which will enable them to deal with the types of mathematical questions that they will encounter on a regular basis after they graduate.

The course in science and engineering introduces the student to the methodology used in that field of science or engineering. These courses include laboratories and/or demonstrations providing the student with hands-on experience.

Courses ordinarily recommended to students majoring outside the College of Science and Engineering are those numbered 260-279 in each department within the College. Courses in this series are specifically designed for the non-major.

Choose from BIOL 260, 261, 262, 263, 264, 265, 271, 272, 275, 276; CHEM 260, 261, 262, 263, 264; CMSI 261; ELEC 260, 265; MECH 260, 270, 275; NTLS 260, 270; PHYS 271, 272. All other lower division courses (at least 3 semester hours) in the College of Science and Engineering also satisfy this requirement.

Only one mathematics course will be credited toward the Mathematics, Science and Technology component of the Core.

**Philosophy***6 Semester Hours***Course Selection****Lower Division:**

Choose PHIL 160. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

**Upper Division:**

Choose either PHIL 320 or 330.

**Social Sciences***6 Semester Hours*

Student must select one of the following options:

1. Select two courses from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105. Courses must be from different departments.
2. Select one course from: AFAM 115; APAM 117; CHST 116 or WNST 100, and one course from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105.
3. Select two courses from the same department. The first is selected from ECON 100, 110, 120; GEOG 100; POLS 135, 155; PSYC 100; SOCL 100 or 105. The second course in the same department is selected from upper division courses that the student is qualified to take.

**Theological Studies***6 Semester Hours***Course Selection****Lower Division:**

Choose from the 100 level series of THST courses. Transfer students who enter LMU with a minimum of sixty (60) accepted transfer hours are exempted from the lower division requirement.

**Upper Division:**

Choose from the 300 level series of THST courses only.

**Note: International/Global Studies**

The current core curriculum includes many courses dealing with international and global studies. All students are required to complete History 100 or 101 which deal with European culture. In addition, it is recommended that students take additional core courses which include the study of European cultures such as: ARHS 200, 201, 202; CLAS 200, 210, 220; DANC 281; FILM 314; FNLT 180; MUSC 102; THEA 240, 245, 331, 336, 341; THST 320, 322, 331.To

further augment the understanding of world cultures, it is recommended that students also choose at least one core course that includes the study of Africa, Asia, the Pacific, or Latin/Indigenous America. These core courses include: ARHS 321; DANC 381; HIST 172, 182; MUSC 303, 365; POLS 155; SOCL 105; THEA 348; THST 180, 381, 382, 383, 384, 385.

### **Recommendations:**

Students are encouraged to enrich their program of study with selected electives from the following areas. Consult the bulletin for specific offerings.

### **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, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, Spanish, and Tagalog 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:

- a) a maximum of 36 upper division semester hours in any one department will be accepted toward the 120 semester hours requirement; and
- b) 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 2,3,4 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:

Chairperson: Rev. Michael Tang  
 Professors: Michael Brodsky, Rudolf Fleck, Teresa Muñoz,  
 Susan Barnes Robinson  
 Associate Professors: Jane Brucker, Carm Goode,  
 Katherine Harper, Rev. Michael Tang  
 Assistant Professors: Soo Jin Kim, Tina Takemoto

## Objectives:

The philosophy of the department rests on the premise that its students should receive a broad education which combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare the student intellectually and professionally for careers in studio arts and art history.

Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

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.

Following the customary procedure of most colleges and universities, the Department of Art and Art History reserves the right to retain for a period of three years any work which a student has completed for course credit.

## Art History Major

The major in Art History is designed to increase the student's understanding of the meaning and purpose of the arts, their historical development, their formal and expressive means, their role in society, and their relationship to other humanistic disciplines.

## Major Requirements:

Lower Division Requirements:

12 semester hours of lower division courses: ARHS 200, 201, 202; ART 150 or 151.

Upper Division Requirements:

30 semester hours of upper division courses.

Recommended: Knowledge of at least one foreign language.

## Minor Requirements:

18 semester hours:

ARHS 200, 201, 202; and 9 semester hours in upper division courses selected under the direction of an advisor in the department. Studio Arts majors who elect an Art History minor are required to take an additional 3 semester hours of upper division work for a total of 21 hours.

## Freshman Year

<i>Fall Semester</i>		S.H.
___	___ Core .....	3
___	___ Core .....	3
___	___ Core .....	3
___	___ Core .....	3
ARHS	200 Art of the Western World I .....	3
		___
		15

<i>Spring Semester</i>		S.H.
___	___ Core .....	3
___	___ Core .....	3
___	___ Core .....	3
___	___ Core .....	3
ARHS	201 Art of the Western World II .....	3
		___
		15

## Sophomore Year

<i>Fall Semester</i>		S.H.
___	___ Core .....	3
___	___ Core .....	3
___	___ Core .....	3
ART	150 Studio Arts for Non-Majors .....	3
or ART	151 Intro to Drwg and Prntmkg .....	(3)
___	___ Elective .....	3
		___
		15

<i>Spring Semester</i>		S.H.
___	___ Core .....	3
___	___ Core .....	3
ARHS	___ Upper Division .....	3
ARHS	202 Twentieth Century Art .....	3
___	___ Elective .....	3
		___
		15

## Junior Year

<i>Fall Semester</i>		S.H.
_____	Core .....	3
ARHS _____	Upper Division .....	3
ARHS _____	Upper Division .....	3
_____	Elective .....	3
_____	Elective .....	3
		15

<i>Spring Semester</i>		S.H.
_____	Core .....	3
_____	Core .....	3
ARHS _____	Upper Division .....	3
ARHS _____	Upper Division .....	3
_____	Elective .....	3
		15

## Senior Year

<i>Fall Semester</i>		S.H.
ARHS _____	Upper Division .....	3
ARHS _____	Upper Division .....	3
ARHS _____	Upper Division .....	3
_____	Elective .....	3
_____	Elective .....	3
		15

<i>Spring Semester</i>		S.H.
ARHS _____	Upper Division .....	3
ARHS _____	Upper Division .....	3
_____	Elective .....	3
_____	Elective .....	3
_____	Elective .....	3
		15

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

## Art History Courses

### 200 Art of the Western World I

*3 Semester Hours*

An introductory survey of the visual arts from prehistoric through early medieval.

### 201 Art of the Western World II

*3 Semester Hours*

A survey of painting, sculpture and architecture from the Renaissance to the end of the 19th century.

### 202 Modernism

*3 Semester Hours*

Study of Modernism from Post-Impressionism through Abstract Expressionism. Focus on artists, movements and art issues, theories and practices in Europe, the United States, and Mexico.

### 303 Arts of Ancient Greece

*3 Semester Hours*

A survey of Greek art from the Neolithic age through the Hellenistic period.

### 304 Arts of Ancient Rome

*3 Semester Hours*

A survey of Roman art from the early days of the republic through the decline of the empire.

### 306 Medieval Art

*3 Semester Hours*

A survey of the visual arts of the medieval period in Europe.

### 314 American Art

*3 Semester Hours*

Art in the United States from the colonial period to 1900.



**315 Nineteenth Century European Art***3 Semester Hours*

Study of the life and work of European painters and sculptors of the 19th century, from Neo-Classicism and Romanticism, to Realism, Impressionism and Post-Impressionism.

**320 The Arts of Islam***3 Semester Hours*

Islamic arts of the Middle East and Persia from the 8th through the 17th centuries.

**321 Arts of Asia: Zen***3 Semester Hours*

A survey of Buddhist arts with particular focus on the Zen sect and its concomitant arts (architecture, gardens, painting, tea ceremony, ceramics, flower arranging and the martial arts).

**340 History of Photography***3 Semester Hours*

A survey of photography as art from its invention to the present day. Emphasis is on 20th century developments and contemporary trends.

**343 History of Modern Architecture***3 Semester Hours*

A survey of the history of architecture with emphasis on contemporary Los Angeles.

**345 Contemporary Art Criticism***3 Semester Hours*

An examination of current theory and practice.

Recommended: ARHS 202.

**360 History of Design***3 Semester Hours*

A survey of the history of design, including typographic design from the beginning of the age of print media to the present.

**410 Renaissance Arts: Italian and Northern***3 Semester Hours*

Selected topics in Renaissance art.

**413 Baroque and Rococo Art***3 Semester Hours*

Selected topics in European art of the 17th and 18th centuries.

**415 Impressionism and Post-Impressionism***3 Semester Hours*

Study of the life and work of artists such as Manet, Monet, Renoir, Degas, Morisot, Cezanne, Van Gogh, Seurat, Gauguin and Toulouse-Lautrec.

**418 American Art 1900-1940***3 Semester Hours*

Study of realism, modernism and regionalism with emphasis on the work of such artists as Sloan, Bellows, O'Keeffe, Hopper and Benton.

**419 Contemporary Art***3 Semester Hours*

An exploration of new directions in American and European Art since 1960, including current art in Los Angeles.

**420 The Arts of Early India***3 Semester Hours*

Painting, sculpture and architecture of India: Buddhist, Hindu and Jain through the medieval period.

**421 The Arts of Later India***3 Semester Hours*

Painting and architecture of the Moguls, Rajput kingdoms, the British Raj and contemporary India and the 16th through 20th centuries.

**425 The Arts of China***3 Semester Hours*

The painting and sculpture of China from the neolithic period through the Ch'ing Dynasty.

**428 The Arts of Japan***3 Semester Hours*

The painting, sculpture and architecture of Japan from prehistoric times through the 19th century.

**445 Museum/Gallery Internship I**

*3 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. Majors only.

Prerequisite: Senior standing and consent of instructor, prior to registration.

**446 Museum/Gallery Internship II**

*3 Semester Hours*

Advanced professional experience in a museum or gallery. Majors only.

Prerequisites: ARHS 445, senior standing, and consent of instructor in the semester prior to registration.

May be repeated for degree credit.

**449 Senior Seminar in Art History**

*3 Semester Hours*

Examination of art historical problems and ideas, emphasizing the methodological and scholarly processes of art history.

**494 Gallery Practicum**

*3 Semester Hours*

Study of the professional aspects of museum and gallery work including exhibition preparation, design, and the curatorial process.

**498 Special Studies**

*1-3 Semester Hours*

**499 Independent Studies**

*1-3 Semester Hours*

Prerequisite: Senior standing.

# Studio Arts Major

This program of study provides a broad foundation in fundamental techniques and concepts and permits each individual to experience the possibilities of creative expression and to develop an understanding of art as a key to cultural awareness. Students in Studio Arts are expected to engage in studio work in addition to scheduled class time. Studios are open to enrolled students outside of class time on a twenty-four hour basis. At the junior level students are required to declare a Fine Arts, Graphic Arts, or Multimedia Arts Emphasis. Students are urged to take additional upper division Art History classes as electives.

## Fine Arts Emphasis

### Major Requirements

Lower Division Requirements:

27 semester hours of lower division courses:  
ART 153, 154, 160, 257 or 280, 260, 275; ARHS 200, 201, 202.

Upper Division Requirements:

27 semester hours of upper division courses:  
ART 353, 356 or 380, 385, 497 and an Upper Division Non-Western Art History Elective (ARHS 320, 321, 420, 425, 428)

## Freshman Year

*Fall Semester*

_____	_____	Core .....	3	S.H.
_____	_____	Core .....	3	
_____	_____	Core .....	3	
ART	153	Drawing I .....	3	
ART	160	Design I .....	3	
			_____	
			15	

*Spring Semester*

_____	_____	Core .....	3	S.H.
_____	_____	Core .....	3	
_____	_____	Core .....	3	
ART	154	Drawing II .....	3	
ARHS	200	Art of the Western World I .....	3	
			_____	
			15	

## Sophomore Year

<i>Fall Semester</i>			S.H.
___	___	Core .....	3
___	___	Core .....	3
___	___	Core .....	3
or ART	260	Computer Graphics I .....	(3)
ART	257	Painting I .....	3
or ART	280	Photography I .....	(3)
ARHS	201	Art of the Western World II .....	3

15

<i>Spring Semester</i>			S.H.
___	___	Core .....	3
___	___	Core .....	3
___	___	Core .....	3
or ART	260	Computer Graphics I .....	(3)
ART	275	Three Dimensional Design .....	3
ARHS	202	Modern Art .....	3

15

## Junior Year

<i>Fall Semester</i>			S.H.
___	___	Core .....	3
___	___	Core .....	3
___	___	Elective .....	3
ART	353	Advanced Figure Composition ...	3
ARHS	___	Upper division Non-Western elective (ARHS 320, 321, 420, 425, 428) .....	3

15

<i>Spring Semester</i>			S.H.
___	___	Core .....	3
___	___	Core .....	3
___	___	Elective .....	3
ART	356	Painting II .....	3
or ART	380	Photography II .....	(3)
ART	385	Printmaking I .....	3

15

## Senior Year

<i>Fall Semester</i>			S.H.
ART	497	Senior Seminar .....	3
ART	___	Art Elective .....	3
ART	___	Art Elective .....	3
___	___	Elective .....	3
___	___	Elective .....	3

15

<i>Spring Semester</i>			S.H.
ART	___	Art Elective .....	3
ART	___	Art Elective .....	3
___	___	Elective .....	3
___	___	Elective .....	3
___	___	Elective .....	3

15

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

## Graphic Arts Emphasis

### Major Requirements

Lower Division Requirements:

27 semester hours of lower division courses:  
ART 153, 154, 160, 257 or 280, 260, 275; ARHS  
200, 201, 202.

Upper Division Requirements:

ART 360, 368, 369, 497 and an uUpper division  
Non-Western Art History elective (ARHS 320, 321,  
420, 425, 428)

## Freshman Year

<i>Fall Semester</i>			S.H.
___	___	Core .....	3
___	___	Core .....	3
___	___	Core .....	3
ART	153	Drawing I .....	3
ART	160	Design I .....	3

15

<i>Spring Semester</i>		S.H.
—	—	Core ..... 3
—	—	Core ..... 3
—	—	Core ..... 3
ART	154	Drawing II ..... 3
ARHS	200	Art of the Western World I ..... 3
		—
		15

## Sophomore Year

<i>Fall Semester</i>		S.H.
—	—	Core ..... 3
—	—	Core ..... 3
—	—	Core ..... 3
or ART	260	Computer Graphics I ..... (3)
ART	257	Painting I ..... 3
or ART	280	Photography I ..... (3)
ARHS	201	Art of the Western World II ..... 3
		—
		15

<i>Spring Semester</i>		S.H.
—	—	Core ..... 3
—	—	Core ..... 3
—	—	Core ..... 3
or ART	260	Computer Graphics I ..... (3)
ART	275	Three Dimensional Design ..... 3
ARHS	202	Modern Art ..... 3
		—
		15

## Junior Year

<i>Fall Semester</i>		S.H.
—	—	Core ..... 3
—	—	Core ..... 3
—	—	Elective ..... 3
ART	—	Art Elective ..... 3
ART	368	Typographic Design ..... 3
		—
		15

<i>Spring Semester</i>		S.H.
—	—	Core ..... 3
—	—	Elective ..... 3
ART	360	Graphic Design ..... 3
ART	369	Design and Pre-press ..... 3
ARHS	—	Upper division Non-Western elective (ARHS 320, 321, 420, 425, 428) ..... 3
		—
		15

## Senior Year

<i>Fall Semester</i>		S.H.
ART	497	Senior Seminar ..... 3
ART	—	Art Elective ..... 3
ART	—	Art Elective ..... 3
—	—	Elective ..... 3
—	—	Elective ..... 3
		—
		15

<i>Spring Semester</i>		S.H.
ART	—	Art Elective ..... 3
ART	—	Art Elective ..... 3
—	—	Elective ..... 3
—	—	Elective ..... 3
—	—	Elective ..... 3
		—
		15

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

## Multimedia Arts Emphasis

### Major Requirements

#### Lower Division Requirements:

18 semester hours of lower division courses: ART 160 and ART 260; CMST 182 and CMST 252.

Choose two courses from the following concentrations: Text, Image, Sound or Motion. In consultation with an advisor, students may select an individualized option in Multimedia Arts Concentrations.

Text: ARHS 200, 201, 202; CMST 101, 206; ENGL 201, 202; SCWR 220.

Image: ART 153, 154, 257, 280; FILM 260 TVPD 241;.

Sound: MUSC 102, 104, 105, 106; RECA 250; THEA 110, 210.

Motion: ANIM 120, 220; DANC 160, 163; FILM 260; TVPD 241.

#### Upper Division Requirements:

33 semester hours of upper division courses: ART 363, 366, 367, 374, 445, 496, CMSI 361, 461, 462.

Choose two courses from the following concentrations: Text, Image, Sound or Motion. In consultation with an advisor, students may select

an Individualized option in Multimedia Arts concentrations.

Text: ARHS 340, 345, 360; ART 360, 362, 365, 368; CMST 301, 310; ENGL 311, 312; SCWR 320; THEA 400.

Image: ART 353, 356, 360, 362, 365, 368, 382, 481; FILM 366, 398; TVPD 345, 346.

Sound: FILM 367; MUSC 303, 304, 316, 317, 318; RECA 350; THEA 312, 314.

Motion: ANIM 320, 330; DANC 381, 397; FILM 366; TVPD 345, 346.

		15
<i>Spring Semester</i>		
_____	_____	S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
_____	_____	Elective ..... 3
_____	_____	Concentration (L.D.) ..... 3
CMSI	252	Multimda Author. Lang. .... 3
		_____
		15

**Recommended Courses:**

It is also recommended that the student take additional courses in Animation, Studio Arts, Art History, Communication Arts and Computer Science.

**Freshman Year**

<i>Fall Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Elective ..... 3
_____	_____	Elective ..... 3
ENGL	110	College Writing I ..... 3
ART	160	2D Design ..... 3
		_____
		15

<i>Spring Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
_____	_____	Elective ..... 3
_____	_____	Elective ..... 3
CMSI	182	Intro. Comp. Science ..... 3
		_____
		15

**Sophomore Year**

<i>Fall Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
_____	_____	Elective ..... 3
_____	_____	Concentration (L.D.) ..... 3
ART	260	Computer Graphics I ..... 3
		_____

**Junior Year**

<i>Fall Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
_____	_____	Concentration (U.D.) ..... 3
CMSI	361	Internet Technologies ..... 3
ART	366	Multimedia Compt. Arts ..... 3
		_____
		15

<i>Spring Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
ART	363	Digital Toolbox for Text, Image, Sound and Motion ..... 3
ART	367	Online Computer Art ..... 3
ART	374	Adv. Design Multimda Art ..... 3
		_____
		15

**Senior Year**

<i>Fall Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
_____	_____	Concentration (UD) ..... 3
ART	445	Multimedia Forum ..... 3
CMSI	461	Multimedia Design ..... 3
		_____
		15

<i>Spring Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
_____	_____	Elective ..... 3
CMSI	462	Multimedia Production ..... 3
ART	496	Multimedia Internship ..... 3
		_____
		15

COMMUNICATION & FINE ARTS

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

### Minor Requirements:

18 semester hours;

Art 153 or ART 160 and 15 semester hours of studio arts electives with at least 6 semester hours in upper division courses.

## Studio Arts Courses

### 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.

### 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.

### 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.

### 154 Drawing II

*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.

### 160 Two Dimensional Design

*3 Semester Hours*

Examination of the basic elements of two dimensional design emphasizing the conceptual process and utilizing various

media and techniques.

### 200 Figure Drawing Workshop I

*1 Semester Hour*

A studio workshop for art and animation majors with emphasis placed on working from the figure and anatomy.

Prerequisites: ART 153, 154

### 201 Figure Drawing Workshop II

*1 Semester Hour*

Continuation of a studio workshop for art and animation majors with emphasis placed on working from the figure and anatomy.

Prerequisites: ART 153, 154.

### 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, 160, or consent of instructor.

Recommended: ART 154.

### 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.

### 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.

### 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.

**280 Photography I***3 Semester Hours*

Photography as a medium of personal and artistic expression. Creativity is stressed. Camera, darkroom and presentation fundamentals. Student must have a camera.

**298 Special Studies***1-3 Semester Hours***299 Independent Studies***1-3 Semester Hours***300 Figure Drawing Workshop I***1 Semester Hour*

A studio workshop for art and animation majors with emphasis placed on working from the figure and anatomy.

Prerequisites: ART 153, 154

**301 Figure Drawing Workshop II***1 Semester Hour*

Continuation of a studio workshop for art and animation majors with emphasis placed on working from the figure and anatomy.

Prerequisites: ART 153, 154.

**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.

**353 Advanced Figure Composition***3 Semester Hours*

Course promotes concept development and psychological possibilities inherent in the human form. Using a variety of media, it explores anatomical structure, imaginative composition and perspective. May be repeated for degree credit.

Prerequisites: ART 153, 154, or consent of instructor.

**356 Painting II***3 Semester Hours*

Emphasis on creative use of color, varied brushwork and compositional concepts. A variety of media will be utilized.

Prerequisites: ART 153, 154, 257.

Recommended: ART 353.

**358 Painting III***3 Semester Hours*

Emphasizing a creative exploration of contemporary concepts as applied to composition, color, non-objective and figurative subject matter. Oil, acrylic and mixed media.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 356.

**360 Graphic Design***3 Semester Hours*

The application of design principles and problem solving procedures to the creation of printed visual communications: announcements, brochures, posters and corporate identities.

Prerequisites: ART 160, ART 260; recommended: ART 369

May be repeated twice for degree credit.

**361 Product and Packaging Design***3 Semester Hours*

The application of design principles and marketing concepts in the development of products and packaging.

Prerequisite: ART 160.

**362 Advertising Design***3 Semester Hours*

The application of design principles and marketing concepts in the development of advertising campaigns and collateral materials.

May be repeated twice for degree credit.

Prerequisite: ART 260.

**363 Digital Toolbox for Text, Image, Sound and Motion***3 Semester Hours*

Survey of concepts and processes utilized in the production of artworks with digital tools. Study of computer techniques

integrating digital processing into the creative process.

Prerequisites: ART 160, 260.

---

### **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. Emphasis is on drawing and painting skills in black and white and color.

May be repeated twice for degree credit.

Prerequisite: ART 153, 160.

---

### **366 Multimedia Computer Arts**

*3 Semester Hours*

Explorations of computer multimedia technologies with emphasis on the development of personal artistic expression. May be repeated twice for degree credit.

Prerequisite: ART 260.

---

### **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.

Prerequisite: ART 260.

---

### **368 Typographic Design**

*3 Semester Hours*

The application of design principles and problem solving procedures in the creation of letter form and typographic designs for logos, editorial designs, book jackets, and posters.

Prerequisite: ART 160, 260; recommended: ART 369.

---

### **369 Design and Pre-press**

*3 Semester Hours*

The integration of design, pre-press planning, and problem solving practices.

Prerequisite: ART 160, 260.

---

### **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.

---

### **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.

---

### **374 Advanced Design for Multimedia Arts**

*3 Semester Hours*

Advanced multimedia-oriented design concepts of the "on-screen", interactive presentations of images, text, motion and sound.

Prerequisites: ART 160, 260.

---

### **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.

May be repeated for degree credit with consent of instructor.

---

### **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.

---

### **378 Drawing and Clay**

*3 Semester Hours*

Emphasis on the surface treatment of ceramic work incorporating drawing, painting and printmaking techniques.

May be repeated for degree credit with consent of instructor.

---

### **380 Photography II**

*3 Semester Hours*



Exploration of advanced concepts of photography as applied to the development of personal expression.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 280.

### **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; recommended ART 280.

### **385 Printmaking I**

*3 Semester Hours*

Introduction to the basic relief printmaking and transfer processes using monoprinting, linoleum blocks, woodblocks and collagraphs. Emphasis on black and white with an introduction to multicolor printing.

### **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 for degree credit .

Recommended: ART 153.

### **387 Silkscreen Printmaking**

*3 Semester Hours*

Introduction to the use of serigraphy to create posters and fine art prints. The emphasis is on the development of personal expression in the creation of multicolor prints.

May be repeated for degree credit .

Recommended: ART 160, 260.

### **400 Figure Drawing Workshop I**

*1 Semester Hour*

A studio workshop for art and animation majors with emphasis placed on working from the figure and anatomy.

Prerequisites: ART 153, 154

### **401 Figure Drawing Workshop II**

*1 Semester Hour*

Continuation of a studio workshop for art and animation majors with emphasis placed on working from the figure and anatomy.

Prerequisites: ART 153, 154.

### **445 Multimedia Forum**

*3 Semester Hours*

Contemporary issues in multimedia and copyright laws.

Prerequisite: ART 160, 260.

### **474 Stained Glass**

*3 Semester Hours*

Study of stained glass, and the process of designing; from the scale drawing to the construction of a window.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 160, or consent of instructor.

### **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 for degree credit with consent of instructor.

Prerequisite: ART 278, or consent of instructor.

### **481 Color Photography**

*3 Semester Hours*

Introduction to general color principles and lab procedures.

Emphasis on personal expression.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 280.

### **485 Advanced Printmaking**

*1-3 Semester Hours*

Continuation and more advanced work in relief, etching or silkscreen techniques.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 385 or 386 or 387.

---

### **495 Advanced Studio Studies**

*1-3 Semester Hours*

Pre-professional directed study in studio art.

May be repeated for degree credit three times.

Prerequisite: Permission of instructor.

---

### **496 Multimedia Internship**

*3 Semester Hours*

Professional experience in multimedia.

Prerequisite: Senior standing, Art major or consent of instructor.

---

### **497 Senior Seminar in Studio Arts**

*3 Semester Hours*

Examination of the current state of the arts and various career options through research, discussions and guest speakers. Includes development and presentation of a professional portfolio and resume.

Prerequisite: Art major or consent of instructor.

---

### **498 Special Studies**

*1-3 Semester Hours*

---

### **499 Independent Studies**

*1-3 Semester Hours*

Prerequisite: Senior standing.

# Communication Studies

## Faculty:

Chairperson: Steven Combs  
 Professors: Barbara Busse, Jay Busse, Patricia Oliver,  
 Dean Scheibel

## Objectives:

We are dedicated to the study of human communication because it develops perspectives and resources that energize the human spirit, allowing us to understand and contribute to a dynamic world. The Communication Studies faculty have created a rigorous program of studies of sufficient breadth and depth to assist students in living meaningful and productive lives.

Communication Studies courses focus on the history, theory and criticism of all forms of human communication, concentrating on people as symbol users. Coursework promotes the study and application of communication theory and practice. The major program provides an emphasis in rhetoric and public address and organizational communication, with additional coursework in interpersonal communication and social influence.

Students majoring in Communication Studies are prepared for graduate studies and related empirical research and analytical interpretation of data.

## Major Requirements: (42 semester hours)

### Lower Division Requirements:

18 semester hours of lower division: CMST 101 (completed with a grade of C(2.0) or better), 110, 130, 160, 201 (completed with a grade of C(2.0) or better) and 202. CMST 100 or 206 must be taken to fulfill the communication skills requirement in the university core.

### Upper Division Requirements:

24 semester hours upper division: Satisfactory completion of CMST 301, 303, 401, 495. Four courses of "communication applications" selected from CMST 330, 335, 336, 375, 376, 385, 386, 387, 393, 490 or 491.

## Minor Requirements: (18 semester hours)

### Lower Division Requirements:

9 Semester hours of lower division: CMST 101 (completed with a grade of C(2.0) or better), 201 or 202, CMST 301;

### Upper Division Requirements:

9 Semester hours upper division: Courses selected in consultation with a departmental advisor: CMST 330, 335, 336, 375, 376, 385, 386, 387, 393, 490/491.

## Freshman Year

<i>Fall Semester</i>			S.H.
CMST	110	Interpersonal Comm .....	3
CMST	100	Public Speaking .....	3
ENGL	110	College Writing .....	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
			—
			15

<i>Spring Semester</i>			S.H.
CMST	101	Intro to Comm Studies .....	3
CMST	160	Small Group Processes .....	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
			—
			15

## Sophomore Year

<i>Fall Semester</i>			S.H.
CMST	130	Argumentation and Debate .....	3
CMST	201	Rhet. Theory/Crit. ....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
			—
			15

<i>Spring Semester</i>			S.H.
CMST	202	Organizational Comm. ....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
			—
			15

## Junior Year

<i>Fall Semester</i>		S.H.
CMST 301	Comm. Theory .....	3
CMST 330	Advanced Forensics .....	3
or CMST 335	Gender Comm .....	(3)
or CMST 336	International Comm .....	(3)
or CMST 375	Org Comm Adv Top Sem .....	(3)
or CMST 376	Comm & Consulting .....	(3)
or CMST 385	Political Comm .....	(3)
or CMST 386	Rhet of Social Movements .....	(3)
or CMST 387	Comm & Legal Practice .....	(3)
or CMST 393	Topical Seminars .....	(3)
or CMST 490	Comm Practicum I .....	(3)
or CMST 491	Comm Practicum II .....	(3)
— —	University Core (U.D.) .....	3
— —	Elective .....	3
— —	Elective .....	3
		15

<i>Spring Semester</i>		S.H.
CMST 303	Research in Comm St .....	3
CMST 330	Advanced Forensics .....	3
or CMST 335	Gender Comm .....	(3)
or CMST 336	International Comm .....	(3)
or CMST 375	Org Comm Adv Top Sem .....	(3)
or CMST 376	Comm & Consulting .....	(3)
or CMST 385	Political Comm .....	(3)
or CMST 386	Rhet of Social Movements .....	(3)
or CMST 387	Comm & Legal Practice .....	(3)
or CMST 393	Topical Seminars .....	(3)
or CMST 490	Comm Practicum I .....	(3)
or CMST 491	Comm Practicum II .....	(3)
— —	University Core (U.D.) .....	3
— —	Elective .....	3
— —	Elective .....	3
		15

## Senior Year

<i>Fall Semester</i>		S.H.
CMST 330	Advanced Forensics .....	3
or CMST 335	Gender Comm .....	(3)
or CMST 336	International Comm .....	(3)
or CMST 375	Org Comm Adv Top Sem .....	(3)
or CMST 376	Comm & Consulting .....	(3)
or CMST 385	Political Comm .....	(3)
or CMST 386	Rhet of Social Movements .....	(3)
or CMST 387	Comm & Legal Practice .....	(3)
— —	Elective .....	3
— —	Elective .....	3
— —	Elective .....	3
		15

<i>Spring Semester</i>		S.H.
CMST 330	Advanced Forensics .....	3
or CMST 335	Gender Comm .....	(3)
or CMST 336	International Comm .....	(3)
or CMST 375	Org Comm Adv Top Sem .....	(3)
or CMST 376	Comm & Consulting .....	(3)
or CMST 385	Political Comm .....	(3)
or CMST 386	Rhet of Social Movements .....	(3)
or CMST 387	Comm & Legal Practice .....	(3)
or CMST 393	Topical Seminars .....	(3)
or CMST 490	Comm Practicum I .....	(3)
or CMST 491	Comm Practicum II .....	(3)
CMST 495	Senior Thesis Project .....	3
— —	Elective .....	3
— —	Elective .....	3
— —	Elective .....	3
— —	Elective .....	3
		15

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

### Communication Studies Minor Requirements:

18 semester hours: CMST 101 (completed with a grade of C), CMST 201 OR 202, 301; and 9 semester hours of upper division courses selected from CMST 335, 336, 375, 376, 385, 386, 490/491.

### 100 Introduction To Public Speaking 3 Semester Hours

Designed to assist the student in developing the skills necessary to communicate effectively to others and to listen effectively to communication from others. Development of proficiency in speaking results from the practice and criticism of informative speeches, persuasive speeches, and discussion.

### 101 Introduction To Communication Studies 3 Semester Hours

Designed to assist in developing basic skills and knowledge for future classes. Topics include: history of the discipline, the rhetorical tradition, introduction to communication theory and research methods. Development of library skills and writing for the social sciences.

### 110 Interpersonal Communication 3 Semester Hours

Examination of students' communication strengths and weaknesses in order to develop proficiency in interpersonal communication. A variety of practice speaking contexts is

provided, including public speaking; group discussion and problem solving; and informal and formal one-to-one communication.

---

### **130 Argumentation and Debate**

*3 Semester Hours*

The principles of reasoning, evidence and organization of argumentation for debate and related forms of competitive speech; practical application in debate and other forensic speech.

---

### **140 Business and Professional Communication**

*3 Semester Hours*

A study of the principles and methods involved in improving oral communication in business and the professions. Emphasis on interviewing, conference speaking, selling and persuading, problem-solving discussions and interpersonal relations.

---

### **160 Small Group Processes**

*3 Semester Hours*

Introduction to small group processes and theory; practice in small group discussion. Special emphasis on problem solving processes.

---

### **201 Rhetorical Theory**

*3 Semester Hours*

This course provides a chronological survey of major rhetorical themes and theories drawn from Plato, Aristotle, Cicero, Quintilian, St. Augustine, Kenneth Burke, Stephen Toulmin, critical theorists, feminist rhetoric, and non-Western approaches to rhetoric.

Prerequisite: CMST 101 with a grade of C (2.0) or better.

---

### **202 Organizational Communication**

*3 Semester Hours*

A study of the role of the individual communicator in an organization and the pattern of communication observed in different organizational structures.

Prerequisite: CMST 101 with a grade of C (2.0) or better.

---

### **204 Intercultural Communication**

*3 Semester Hours*

A comparative study of communication styles and issues among three American ethnic or racial groups. Course satisfies American Cultures core.

---

### **206 Critical Thinking and Communication**

*3 Semester Hours*

A study of the techniques of critical thinking as applied to communication and rhetoric.

---

### **298 Special Studies**

*1-3 Semester Hours*

---

### **299 Independent Studies**

*1-3 Semester Hours*

---

### **301 Theories of Human Communication**

*3 Semester Hours*

Theories which describe the complexities of human messages and the relationships of persons who communicate are studied to develop approaches to more effective communication.

Prerequisite: CMST 101 (with a grade of C (2.0) or better).

---

### **303 Research in Communication Studies**

*3 Semester Hours*

Study of qualitative methods in communication. Development of senior thesis literature review and research questions. Includes data collection, analysis, and interpretation of observations and interview data.

Prerequisite: CMST 101.

---

### **330 Advanced Forensics**

*3 Semester Hours*

A study of advanced principles of debate with emphasis on interdisciplinary research on current national collegiate debate topic.

Prerequisite: CMST 130, or consent of instructor.

---

### **335 Gender Communication**

*3 Semester Hours*

Course surveys gender similarities and differences in verbal and nonverbal communication. Emphasis is also placed on how males and females perceive the world and how these perceptions affect the human communication process.

---

### **336 Intercultural Communication**

*3 Semester Hours*

A study of the principles and theories of human communication related to cross cultural encounters. Emphasis

is placed on cultural relativity, culture shock, verbal and nonverbal interaction and value differences among diverse cultures.

---

**375 Organizational Communication  
Advanced Topical Seminar**

*3 Semester Hours*

Advanced topical studies in organizational communication.

Prerequisite: CMST 202.

---

**376 Communication and Consulting**

*3 Semester Hours*

Course surveys methods of designing, conducting and evaluating organizational communication change strategies. Emphasis is on various methods of conducting organizational communication needs analysis, designing training programs, implementing organizational development strategies and evaluating change efforts.

Prerequisite: CMST 202.

---

**385 Political Communication**

*3 Semester Hours*

Course analyzes the rhetorical dimensions of political campaigns and methods of carrying out various political objectives.

Prerequisite: CMST 201.

---

**386 Rhetoric of Social Movements**

*3 Semester Hours*

The historical and rhetorical analysis of social movements. Students study social movements through the critical application of rhetorical theories. The course requires considerable library skills and emphasizes writing for the social sciences.

Prerequisite: CMST 201.

---

**387 Communication and Legal Practice**

*3 Semester Hours*

This course applies communication principles to courtroom practices. Students will be instructed on narrative theories of case analysis, techniques of verbal and nonverbal effectiveness and theories of persuasion in order to improve their understanding of the communication aspects of legal trials.

---

**393 Topical Seminars in Communication  
Studies**

*3 Semester Hours*

Further studies in Communication.

---

**398 Special Studies**

*1-3 Semester Hours*

---

**399 Independent Studies**

*1-3 Semester Hours*

---

**401 Rhetorical Criticism**

*3 Semester Hours*

This course examines the various ways rhetorical theories may be applied to rhetorical phenomena. Students will write a substantial rhetorical criticism.

Prerequisite: CMST 201 with a grade of C (2.0) or better.

---

**490 Communication Practicum I**

*3 Semester Hours*

Internship with one of several Los Angeles area companies or institutions currently accepting LMU students. Practical experience working in a position that utilizes communication skills.

Majors only. May be repeated once.

---

**491 Communication Practicum II**

*3 Semester Hours*

Further directed experience in on-the-job training with a professional company in the media field.

Majors only.

---

**495 Senior Thesis Project**

*3 Semester Hours*

Original empirical research using qualitative methods. Includes data collection and data analysis and interpretation. Must have consent of the instructor prior to registration.

Prerequisite: CMST 301 and 303.

Seniors only.

---

**498 Special Studies**

*1-3 Semester Hours*

---

**499 Independent Studies**

*1-3 Semester Hours*

# Dance

## Faculty:

Chairperson: Judith Scalin  
 Professor: Judith Scalin  
 Associate Professor: Scott Heinzerling

## Objectives:

The Dance major 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. Dance majors earn a B.A. degree and are prepared for advanced study in graduate school as well as careers in performing, teaching and related work in the fields of business and health care.

The Dance program is housed in the Department of Theatre and Dance. It offers coursework for the Dance major, the dance minor and the general student. The program is accredited by the National Association of Schools of Dance.

## Major Requirements:

### Lower Division Requirements:

26-27 semester hours: DANC 100, 160, 161, 260, 262, 281. In addition, taken at the level of proficiency: Modern Dance, Ballet each semester for one semester hour, one semester of World Dance taken for 1 semester hours, one semester of THEA 250 for 0-1 semester hours.

### Upper Division Requirements:

31 semester hours: DANC 380, 381, 460, (or PHIL 352), 461 (minimum of C (2.0), grade), 480, 481,484. In addition, taken at the level of proficiency: Modern Dance and Ballet each semester for one semester hour and one semester of World Dance taken for two semester hours.

A minimum of a C (2.0) average 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.

Performance experience is required at least two semesters. Credit optional.

## Minor Requirements:

General minor — 18 semester hours: DANC 160, 161; 6 semester hours of dance theory selected

from DANC 260, 262, 281, 380, 381, 384, 385, 480, 481 484; 6 semester hours in studio technique (modern, ballet, jazz and/or world dance).

Performance minor — 20 semester hours: DANC 160, 161 (6 semester hours), dance technique (8 U.D. semester hours), and performance in at least three dance concerts.

(3 semester hours), 3 semester hours of dance theory selected from DANC 260, 281, 380, 381, 384, 385, 480, 481, 484.

## Freshman Year

<i>Fall Semester</i>			S.H.
DANC	100	Orientation to Dance .....	1
—	—	Core .....	3
—	—	Core .....	3
—	—	Core .....	3
DANC	160	Fund Composition I .....	3
DANC	—	Modern .....	1
DANC	—	Ballet .....	1
THEA	250	Theatre Practicum: Crew .....	1
			16

<i>Spring Semester</i>			S.H.
—	—	Core .....	3
—	—	Core .....	3
—	—	Core .....	3
DANC	161	Fund. Composition II .....	3
DANC	—	Modern .....	1
DANC	—	Ballet .....	1
DANC	—	World Dance .....	2
			16

## Sophomore Year

<i>Fall Semester</i>			S.H.
—	—	Core .....	3
—	—	Core .....	3
—	—	Core .....	3
DANC	260	Laban Movement Analysis .....	3
DANC	—	Modern .....	1
DANC	—	Ballet .....	1
			14

<i>Spring Semester</i>		S.H.
___	___	Core ..... 3
___	___	Core ..... 3
___	___	Core ..... 3
DANC	281	History of Dance Theatre ..... 3
DANC	262	Dance Styles and Form ..... 3
DANC	___	Modern ..... 1
DANC	___	Ballet ..... 1
		___
		17

## Junior Year

<i>Fall Semester</i>		S.H.
___	___	Core ..... 3
___	___	Elective I ..... 3
DANC	480	Kinesiology I ..... 3
DANC	484	Principles of Teaching Dance ..... 3
DANC	___	Modern ..... 1
DANC	___	Ballet ..... 1
		___
		14

<i>Spring Semester</i>		S.H.
___	___	Core ..... 3
___	___	Elective I ..... 3
DANC	381	To Dance Is Human ..... 3
DANC	481	Kinesiology II ..... 3
DANC	470	Modern ..... 1
DANC	___	Ballet ..... 1
DANC	___	World Dance ..... 2
		___
		16

## Senior Year

<i>Fall Semester</i>		S.H.
___	___	Core ..... 3
___	___	Elective I ..... 3
DANC	380	Music for Dance ..... 3
DANC	460	Dance Theory and Criticism ..... 3
or PHIL	352	Philosophy of Art ..... (3)
DANC	___	Modern ..... 1
DANC	___	Ballet ..... 1
		___
		14

<i>Spring Semester</i>		S.H.
___	___	Core ..... 3
___	___	Elective I ..... 3
___	___	Elective I ..... 3
DANC	461	Sr. Thesis Project ..... 3
DANC	470	Modern ..... 1
DANC	___	Ballet ..... 1
		___
		14

Please 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.

### 100 Orientation To Dance I

*1 Semester Hour*

An introduction to the discipline of Dance for Dance major students. This course addresses: careers, health, wellness, performance, community service and community resources.

Majors only.

### 102 Modern Dance I

*0-2 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.

### 120 Ballet I

*0-2 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.

### 142 Jazz Dance I

*0-2 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 (Fall, Spring).

May be repeated for degree credit up to 2 times.



**144 Tap Dance I***0-2 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.

**152 Aerobics I***2 Semester Hours*

Theory and practice of aerobic endurance training. Study of current physiological research on training.

**160 Fundamentals of Dance Composition I***3 Semester Hours*

Principles of composition in relation to time, force, space, and kinesthesia. Groundwork in aesthetics and composition theory. Must be taken with one technique class (Fall).

Prerequisite: Dance major or Dance minor.

**161 Fundamentals of Dance Composition II***3 Semester Hours*

Continuation of DANC 160. Must be taken with one technique class.

Prerequisite: Dance major or Dance minor.

Offered in the Spring semester only.

**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.

**198 Special Studies***1-3 Semester Hours***199 Independent Studies***1-3 Semester Hours***202 Modern Dance II***0-2 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.

**220 Ballet II***0-2 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.

### **242 Jazz Dance II**

*0-2 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.

Audition: first class meeting.

May be repeated for degree credit up to 4 times.

### **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. Must be taken concurrently with one technique class.

Prerequisite: Dance major or Dance minor.

### **262 Dance Styles and Form**

*3 Semester Hours*

Exploration of dance composition based on styles of noted choreographers. Study of dance forms. Theory and practice as modes of study.

Prerequisite: DANC 260.

### **279 Rehearsal & Performance I**

*0-3 Semester Hours*

Format varies by semester. Fall: preparation of a small touring program or lecture demonstration; Spring: dancing in the major Dance production (Fall, Spring).

May be repeated for degree credit up to 4 times.

### **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 (Fall, alternate years).

### **299 Independent Studies**

*1-3 Semester Hours*

### **302 Modern Dance III**

*0-2 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 (Fall, Spring).

Audition: first class meeting.

May be repeated for degree credit up to 6 times.

### **320 Ballet III**

*0-2 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.

Audition: first class meeting.

May be repeated for degree credit up to 6 times.

### **342 Jazz Dance III**

*0-2 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.

Audition: first class meeting.

May be repeated for degree credit up to 6 times.

### **343 Intermediate Commercial Dance**

*0-2 Semester Hours*

Study of jazz dance, hip hop, funk and other dance styles used in commercial/media dance.

Audition: first class meeting.

May be repeated for degree credit up to 2 times.

### **344 Tap Dance III**

*0-2 Semester Hours*

A continuation of 144. 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.

**352 Aerobics II***2 Semester Hours*

Study of theory of aerobics, as well as advanced endurance training. Study of current physiological research on training.

**353 Dance Conditioning***0-2 Semester Hours*

Laboratory course using spec. training modalities selected from Pilates, Feldendrais and other physical systems.

May be repeated for degree credit up to 6 times.

**360 Advanced Choreography***3 Semester Hours*

Dance composition with focus on the craft elements of development, variation, thematic and non-thematic subject matter. Strategies for building a dance from study to completed work.

Prerequisite: DANC 262.

**371 Martial Arts***0-2 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.

**372 Martial Arts in China***2 Semester Hours*

The study of martial arts on location in China. Enrollment through Study Abroad.

**374 Yoga***0-2 Semester Hours*

Theory and practice of yoga through exercise, meditation and selected readings (Fall, Spring, alternate years).

**379 Dance Touring Group***0-3 Semester Hours*

Performance group which tours local K-12 schools.

May be repeated for degree credit up to 4 times.

**380 Music for Dance***3 Semester Hours*

Study of the elements of music theory and history which are common to dance and music.

**381 To Dance Is Human: Dance, Culture and Society***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.

**384 Creative Dance for Children***3 Semester Hours*

Creative dance experience designed to prepare the elementary school teacher to offer dance instruction. Meets Multiple Subject Waiver Credential requirements.

**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 Multiple Subject Waiver Credential requirements.

**390 Dance of Greece***0-2 Semester Hours*

Intensive study of folk dance of Greece with historical and cultural perspectives.

Offered in the Fall semester only.

**394 Dunham Dance Technique***0-2 Semester Hours*

A study of the dance technique of Katherine Dunham.

Audition: first class meeting.

May be repeated for degree credit up to 6 times.

**396 Musical Theatre Dance***0-2 Seminar Hours*

Practice and study of dances from the musical theatre repertory.

May be repeated for degree credit up to 2 times.

**397 World Dance***0-3 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.

**398 Special Studies***1-3 Semester Hours***399 Independent Studies***1-3 Semester Hours***402 Modern Dance IV***0-2 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 (Fall, Spring).

Audition: first class meeting.

May be repeated for degree credit up to 8 times.

**420 Ballet IV***0-2 Semester Hours*

Continuation of DANC 320.

Audition: first class meeting.

May be repeated for degree credit up to 8 times.

**421 Pointe and Variations***0-1 Semester Hour*

Study of pointe work in ballet and reconstruction of variations from ballets of different periods.

Audition: first class meeting.

May be repeated for degree credit up to 4 times.

**422 Partnering***0-1 Semester Hours*

Exploration of partnering techniques as used in classical ballet, modern and post-modern dance.

**423 Ballet V***0-2 Semester Hours*

Continuation of DANC 420.

Audition: first class meeting.

May be repeated for degree credit up to 8 times.

**442 Jazz Dance IV***0-2 Semester Hours*

Continuation of DANC 342. Focus on complex rhythms, styling and performance. Theoretical study of selected jazz dance artists and the impact of film and video on jazz dance (Fall, Spring).

Audition: first class meeting.

May be repeated for degree credit up to 6 times.

**443 Advanced Commercial Dance***0-2 Semester Hours*

Advanced study of dance styles used in commercial/media dance. Emphasis on complex sequencing, performance, polyrhythms and auditioning techniques.

Audition: first class meeting.

May be repeated for degree credit up to 6 times.

**444 Tap Dance IV***0-2 Semester Hours*

A continuation of 344. Focus on developing better skills, exploring rhythms, and mastering ability to keep time and phrase rhythms.

Audition: first class meeting.

May be repeated for degree credit up to 6 times.

**460 Dance Theory and Criticism***3 Semester Hours*

Formal seminar in philosophy of art and aesthetic criticism.

Prerequisite: Senior standing, majors only.

**461 Senior Thesis: Project***3 Semester Hours*

Preparation and presentation of performance or research thesis.

Prerequisite: Senior standing, majors only.

---

**479 Rehearsal and Performance II***0-3 Semester Hours*

Continuation of DANC 279.

May be repeated for degree credit up to 4 times.

---

**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 only.

---

**481 Kinesiology for Dancers II***3 Semester Hours*

Continuation of DANC 480.

Prerequisite: DANC 480 or BIOL 150 or consent of Dance director.

Offered in the Spring semester only.

---

**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 (Fall, alternate years).

---

**485 Internships***1-3 Semester Hours*

Work experience in teaching, health care or business.

---

**497 Historical Projects***0-3 Semester Hours*

A course using multi-media to document historical figures in dance.

May be repeated for degree credit as long as selected subject differs.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

# Interdisciplinary Arts and Media

## Director:

Suzanne Frentz

## Objectives:

The philosophy of the department rests on the premise that its students should receive a broad education that combines creativity and scholarly activity. The foremost objective is to prepare students intellectually and professionally for careers in interactive digital arts and media. Courses offered to undergraduate majors and non-majors are interdisciplinary in nature and bring together visual and electronic arts and mediated communication to form new modes of exploring the human experience.

---

### 240 History of Broadcasting

*3 Semester Hours*

An introduction to the history, structure and procedures of the broadcast industry.

Lab fee.

---

### 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.

---

### 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.

---

### 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.

---

### 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.

---

### 391 KXLU Practicum

*3 Semester Hours*

A concentrated study of the management process associated with the day-to-day operation of KXLU-FM, recommended for radio station directors, and others.

# Music

## Faculty:

Chairperson: Mary Breden  
 Professor: Mary Breden  
 Associate Professor: Virginia Saya  
 Assistant Professors: Paul W. Humphreys, Mark Saya

## Objectives:

The purpose of the Department of Music is to provide quality music instruction for students who wish to pursue music as a career and for those who wish to enrich their lives through non-career oriented study and/or performance. The department is dedicated to providing this training with emphasis on a personal approach, and is committed to conducting and promoting scholarly research and creative musical inquiry and activity. Through the presentation of diverse musical programs the department contributes to the educational and cultural vitality of the University and community.

The Department of Music offers a Bachelor of Arts in Music degree which provides an appropriate background for some prospective candidates for advanced degrees who are preparing for such careers as musicologists, composers, music librarians, and pedagogy-oriented teachers. 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.

## Admission to the Major and Minor:

An audition in the applied emphasis (Instrument or Voice) is required before admission to the major or minor. Audition requirements appropriate to each instrumental and voice emphasis are available from the Secretary of the Department of Music.

A grade of C (2.0) or better is required in:

- MUSC 122 (Music Theory & Form II)
- MUSC 181 (Applied Lessons)

Pre-Major/Pre-Minor Foreign Language Requirement:

Two semesters of foreign language(s) through selection of one of the following options:

- Voice Emphasis: ITAL 101, 102 or GRMN 101, 102 or ITAL 101, GRMN 101 or ITAL 101, FREN 101 or GRMN 101, FREN 101

Instrumental Emphasis: ITAL 101, 102 or GRMN 101, 102 or ITAL 101, GRMN 101

The options selected may be taken credit/no credit but require the approval of the Chair and the applied emphasis instructor. Enrollment in these courses may be concurrent with required music major/minor curriculum courses.

## Music Major Curriculum

48 Semester Hours

General Requirements - 38 Semester Hours  
 S.H.

MUSC 121	Music Theory & Form I*	..... 3
MUSC 122	Music Theory & Form II**	..... 3
MUSC 221	Music Theory & Form III	..... 3
MUSC 222	Music Theory & Form IV	..... 3
MUSC 133	Aural Skills I*	..... 1
MUSC 134	Aural Skills II**	..... 1
MUSC 235	Instrumentation	..... 2
MUSC 303	World Music Cultures I	..... 3
MUSC 316	Music History: Antiquity to 1600	..... 3
MUSC 317	Music History: 1600 to 1820	..... 3
MUSC 318	Music History: 1820 to Present	..... 3
MUSC 332	Choral Conducting (Vocalists)	

OR

MUSC 333	Instrumental Conducting (Instrumentalists)	..... 2
MUSC	Applied Emphasis Individual Instruction	..... 4
	MUSC 180*, 181**, 280, 2811ea.	
MUSC	Applied Emphasis Ensemble(s): */**	..... 4
	MUSC 454 World Music: Small Ensemble	
	MUSC 455 World Music: Large Ensemble	
	MUSC 490 Chamber Orchestra	
	MUSC 491 Consort Singers	
	MUSC 492 Chamber Music Ensembles	
	MUSC 495 Concert Choir	..... 1ea.

\* must be taken concurrently

\*\* must be taken concurrently

## Concentration Requirements

10 Semester Hours/Upper Division

### Theory/Composition

MUSC 319, 322, or 323 .....	3
MUSC 496 Theory Placement Practicum .....	1
Electives .....	6

### Music History/Literature

MUSC 412, 413, 414, 415, OR 416 .....	3
MUSC 497 Musicology Placement Practicum ....	1
Electives .....	6

### World Music/Ethnomusicology

MUSC 304 World Music Cultures II .....	3
MUSC 307 Research and Methods in Ethnomusicology .....	1
MUSC 454 World Music: Small Ensemble OR MUSC 455 World Music: Large Ensemble .....	1
Electives .....	5

### Instrumental Studies

MUSC 310 Instrumental Pedagogy .....	3
MUSC 450 Senior Project: Recital .....	1
Electives .....	6

### Vocal Studies

MUSC 341 Vocal Pedagogy .....	3
MUSC 450 Senior Project: Recital .....	1
Electives .....	6

### Instrumental Conducting

MUSC 330 Score Reading I .....	2
MUSC 331 Score Reading II .....	2
MUSC 332 Choral Conducting .....	2
MUSC 433 Advanced Instrumental Conducting 2	
Electives .....	2

### Choral Conducting

MUSC 328 Choral Methods I .....	2
MUSC 333 Instrumental Conducting .....	2
MUSC 432 Advanced Choral Conducting .....	2
MUSC 445 Choral Techniques Practicum .....	1
Electives .....	3

### Music Minor Curriculum

21 Semester Hours

S.H.

MUSC 121 Music Theory & Form I* .....	3
MUSC 122 Music Theory & Form II** .....	3
MUSC 133 Aural Skills I* .....	1
MUSC 134 Aural Skills II** .....	1
MUSC 180 Applied Emphasis Individual Instruction* .....	1
MUSC 181 Applied Emphasis Individual Instruction** .....	1
MUSC 316 Music History: Antiquity to 1600 ....	3
MUSC 317 Music History: 1600 to 1820 .....	3

MUSC 318 Music History: 1820 to Present .....	3
MUSC Applied Emphasis Ensemble(s): */** .....	2
1 each among MUSC 490, MUSC 491, MUSC 492 and MUSC 495	

\* must be taken concurrently

\*\* must be taken concurrently

## Applied Music

*Individual Instructions*

### Music Major/Minor

Music majors are required to complete a minimum of four semesters and music minors two semesters of individual instruction in the following emphasis areas:

Piano, Guitar, Percussion, Strings and Voice:

MUSC 180, 181, 280, 281 (Major/4 semester hours)

MUSC 180, 181 (Minor/2 semester hours)

Each semester hour of earned credit in private applied lessons requires the following:

- A. One 50 minute private lesson weekly (total 14)
- B. Minimum of one (1) studio class performance per semester and
- C. Attendance at all studio classes
- D. One semester end Jury Performance Examination

Only students who have been officially accepted and declared music majors or minors by the Department of Music may enroll in private applied lessons (180, 181, 280, 281, 380, 381, 480, 481). No applied music fee is required.

Practice room facilities (free of charge) are available to all applied music students enrolled for credit.

Applied music courses are repeatable for credit. Majors who wish to continue credit enrollment beyond minimum requirements may enroll in the subsequent MUSC 380, 381, 480 and 481 offerings.

### Music Non-Major/Non-Minor

Individual instruction is available in Piano, Guitar, Drum Set, Strings, and Voice:

Permission of professor required.

MUSC 182, 282, 382, 482 ..... 1 S.H. each

There is an applied music fee of \$308.00 per semester for fourteen 30 minute weekly lessons. Applied music courses are repeatable for credit.



Class instruction is available in Piano, Guitar and Voice for students at the beginning level:

- MUSC 175, 176, 177 Piano Class ..... 1 S.H. each
- MUSC 178 Voice Class ..... 1 S.H.
- MUSC 179 Guitar Class ..... 1 S.H.

No applied music fee is required for these classes. They meet once weekly, have a limited enrollment, and may only be repeated once for credit.

<i>Spring Semester</i>		S.H.
MUSC	122 Music Th/Form II .....	3
MUSC	134 Aural Skills II .....	1
MUSC	181 Applied Music .....	1
MUSC	___ Ensemble .....	1
ITAL	102 Elem Italian .....	3
or GRMN	102 Elem German .....	(3)
___	___ Core .....	3
___	___ Core .....	3

## 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.

S.H.

- MUSC 454 World Music: Small Ensemble .... 1
- MUSC 455 World Music: Large Ensemble .... 1
- MUSC 490 Chamber Orchestra ..... 1
- MUSC 491 Consort Singers ..... 1
- MUSC 492 Chamber Music Ensemble(s)\* .... 1
- MUSC 493 Women’s Chorus ..... 1
- MUSC 494 Men’s Chorus ..... 1
- MUSC 495 Concert Choir ..... 1

\*Includes Guitar & String Quartets

These classes are repeatable for credit.

### Freshman Year

<i>Fall Semester</i>		S.H.
MUSC	121 Music Th/Form I .....	3
MUSC	133 Aural Skills I .....	1
MUSC	180 Applied Music .....	1
MUSC	___ Ensemble .....	1
ITAL	101 Elem Italian .....	3
or GRMN	101 Elem German .....	(3)
___	___ Core .....	3
___	___ Core .....	3

15

### Sophomore Year

<i>Fall Semester</i>		S.H.
MUSC	221 Music Th/Form III .....	3
MUSC	280 Applied Music .....	1
MUSC	___ Ensemble .....	1
MUSC	235 Instrumentation .....	2
___	___ Core .....	3
___	___ Core .....	3
___	___ Core .....	3

15

<i>Spring Semester</i>		S.H.
MUSC	222 Music Th/Form IV .....	3
MUSC	281 Applied Music .....	1
MUSC	___ Ensemble .....	1
MUSC	316 Music Hist: Ant -1600 .....	3
___	___ Core .....	3
___	___ Core .....	3
___	___ Core .....	3

16

### Junior Year

<i>Fall Semester</i>		S.H.
MUSC	317 Music Hist: 1600-1820 .....	3
MUSC	303 World Music Cult I .....	3
MUSC	332 Choral Conducting .....	2
or MUSC	333 Instrumental Conducting .....	(2)
___	___ Core .....	3
___	___ Core .....	3
___	___ UD Elective .....	2

17

16

<i>Spring Semester</i>			S.H.
MUSC	318	Music History: 1820-Pres .....	3
MUSC	___	UD Concentration .....	2
___	___	UD Elective .....	3
___	___	Core .....	3
___	___	Core .....	3
			14

## Senior Year

<i>Fall Semester</i>			S.H.
MUSC	___	UD Concentrations .....	4
___	___	UD Elective Non-Music .....	3
___	___	Elective .....	2
___	___	Core .....	3
___	___	Core .....	3
			15

<i>Spring Semester</i>			S.H.
MUSC	___	UD Elective .....	4
___	___	Elective .....	3
___	___	Elective .....	2
___	___	Core .....	3
___	___	Elective .....	3
			15

### 101 Studio Class

0 Semester Hours

Recital class for music majors and minors enrolled in applied lessons.

### 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.

### 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 a basic musical literacy. Concert attendance required.

Non-majors and non-minors only.

### 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.

### 106 The Instrumental Experience

3 Semester Hours

Choose guitar or piano.

Guitar: Exploration of the basic technique of performing on the guitar including 1) learning to read music, 2) chords and accompanimental style, and 3) the preparation of solo pieces.

Piano: Exploration of the basic techniques of performing piano literature; study of fundamental musical elements - rhythm, melody, key structures, notation, and reading music.

### 121 Music Theory & Form I

3 Semester Hours

Fundamental elements, organizing factors and precepts, and procedures of tonal music theory and practice through the intermediate levels of the common practice period.

Corequisite: MUSC 133.

### 122 Music Theory & Form II

3 Semester Hours

Continuation of MUSC 121 from intermediate level common practice period through secondary dominants, leading-tone chords, binary and ternary forms. Foundational structural forms and beginning score analysis.

Prerequisite: MUSC 121.

Corequisite: MUSC 134.

### 131 Sight Singing I

1 Semester Hour

Study of notation, keys, scales, rhythm; recognition of intervals; development of the ability to sight-read vocally from the score and to take melodic dictation.

**132 Sight Singing II***1 Semester Hour*

Continuation of MUSC 131.

Prerequisite: MUSC 131.

**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.

**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.

**135 Functional Piano I***1 Semester Hour*

Development of pragmatic keyboard reading skills.

Music Majors/Minors only.

**136 Functional Piano II***1 Semester Hour*

Continuation of MUSC 135.

Prerequisite: MUSC 135 or consent of instructor.

**175 Beginning Piano Class***1 Semester Hour*

Development of pragmatic keyboard reading skills.

**176 Intermediate Piano Class***1 Semester Hour*

Application of fundamental keyboard reading skills through sight reading, ensemble work, harmonizing and improvising.

Development of interpretive skills through the use of repertoire from different eras.

Prerequisite: MUSC 175 or consent of instructor.

**177 Advanced Piano Class***1 Semester Hour*

Application of interpretive skills using more complex repertoire. Fundamentals of tonal music theory are addressed along with sight reading and improvising. Individual projects may be assigned.

Prerequisite: MUSC 176 or consent of instructor.

**178 Beginning Voice Class***1 Semester Hour*

Group instruction in singing. The basics of breathing, tone production, diction and articulation, song preparation, and performance.

**179 Beginning Guitar Class***1 Semester Hour*

The study of the classical guitar: learning to read music; learning to use the hands efficiently; gaining an understanding of the structures of music in order to develop an interpretive style.

**180 Guitar, Percussion, Piano, Voice***1 Semester Hour*

First semester of private applied lessons in the major/minor.

Corequisite: MUSC 101.

**181 Guitar, Percussion, Piano, Voice***1 Semester Hour*

Second semester of private applied lessons in the major/minor.

Prerequisite: MUSC 180.

Corequisite: MUSC 101.

**182 Guitar, Percussion, Piano, Voice***1 Semester Hour*

First year of private applied lessons for non-majors, non-minors (Repeatable credit).

Permission of instructor required

**221 Music Theory & Form III***3 Semester Hours*

Introduction to modal species counterpoint, fugal process, small and large formal structures, and chromatic harmonic practices: borrowed chords, Neapolitan and augmented sixth chords, altered chords and chromatic mediants.

Prerequisite: MUSC 122.

**222 Music Theory & Form IV***3 Semester Hours*

Introduction to song forms, large instrumental forms, twentieth century rhythmic devices, Impressionism, serial techniques, indeterminacy, electronic/computer concepts, improvisation, minimalism and extended techniques since 1970.

Prerequisite: MUSC 221.

**235 Instrumentation***2 Semester Hours*

Ranges, limits, use possibilities, technical parameters and transpositions of instruments used for the making of music in performance.

Prerequisite: MUSC 122.

**280 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Third semester of private applied lessons in the major.

Prerequisite: MUSC 181.

Corequisite: MUSC 101.

**281 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Fourth semester of private applied lessons in the major.

Prerequisite: MUSC 280.

Corequisite: MUSC 101.

**282 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Second year of private applied lessons for non-majors (Repeatable credit).

Permission of instructor required.

**303 World Music Cultures I***3 Semester Hours*

An introductory survey of representative music cultures selected from the following regions: Africa, the Near East, and Eastern Europe; South Asia and Indonesia; Southeast and East Asia; Oceania and Polynesia.

**304 World Music Cultures II***3 Semester Hours*

A historically oriented survey of traditional musics in North and South America. Includes introductory fieldwork experience.

Prerequisite: MUSC 303.

**307 Research and Methods in Ethnomusicology***3 Semester Hours*

A survey of the essential literature of ethnomusicology; introduction to field methods, transcription and analysis.

Prerequisite: MUSC 303 or consent of instructor.

**309 History/Literature of the Guitar***3 Semester Hours*

The development of the guitar and related plucked instruments from the Renaissance to the present; a survey of notational systems, techniques, historical styles, and the representative works for the lute, vihuela, five-course guitar and six-string guitar.

Prerequisite: MUSC 281.

**310 Instrumental Pedagogy***3 Semester Hours*

Research, concepts and methodology common to the teaching of instruments.

Prerequisite: MUSC 222.

**316 Music History: Antiquity To 1600***3 Semester Hours*

A historical survey of Western music traditions from antiquity and early chants through the Renaissance (1600). Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisite: MUSC 122.

**317 Music History: 1600 To 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.

Prerequisite: MUSC 316.

**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 practices and trends. Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisite: MUSC 317.

**319 Analytic Techniques***3 Semester Hours*

The study and application of analytical techniques such as those formulated by Schenker, Forte and others, as well as twentieth century linear, electro-acoustic and serial developments.

Prerequisite: MUSC 222.

**320 Notation & Copying***1 Semester Hour*

A survey of the fundamentals of traditional musical notation, with emphasis on the development of practical notational skills. Includes Computer Assisted Instruction (CAI).

Prerequisite: MUSC 222.

**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.

**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.

**325 Music for the Recordist***3 Semester Hours*

An in-depth investigation of the businesses of music as they apply to the recording and entertainment industry.

**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.

Prerequisite: MUSC 281 (voice), 332 and 491 or 495.

**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.

**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.

**332 Choral Conducting***2 Semester Hours*

Basic conducting skills, technical and expressive uses of the conducting gesture, and methods of verbal and non-verbal communication appropriate to a choral ensemble.

**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.

---

**335 Accompanying I***1 Semester Hour*

The literature and performance practices applicable for solo and small genre accompaniment.

Prerequisite: Consent of instructor.

---

**336 Accompanying II***1 Semester Hour*

Continuation of 335.

Prerequisite: MUSC 335 or consent of instructor.

---

**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.

Prerequisite: Major or Minor.

---

**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.

Prerequisite: Major or Minor.

---

**342 Diction for Singers II***1 Semester Hour*

Continuation of MUSC 340; emphasis on German and French.

Prerequisite: MUSC 340.

---

**343 Opera Scenes/Workshop***1-2 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. Repeatable credit.

Prerequisites: Audition after enrollment.

---

**361 Music of Africa***3 Semester Hours*

An in-depth investigation of differences found in Sub-Saharan and North African genres.

---

**365 History of Jazz***3 Semester Hours*

Evolution of jazz from its African origins to contemporary manifestations.

---

**366 History of Rock***3 Semester Hours*

Evolution of Rock & Roll from its African-American origins to the present.

---

**380 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Fifth semester of private applied lessons in the major.

Prerequisite: MUSC 281.

Corequisite: MUSC 101.

---

**381 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Sixth semester of private applied lessons in the major.

Prerequisite: MUSC 380.

Corequisite: MUSC 101.

---

**382 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Third year of private applied lessons for non-majors. (Repeatable credit)

Permission of professor required

---

**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.

---

**388 Music Composition II***1 Semester Hour*

Continuation of 387.

Prerequisite: MUSC 387.

**401 Music in Native North America***3 Semester Hours*

A survey of traditional and contemporary music/dance within primary culture areas.

**402 Music of East, Central and Southeast Asia***3 Semester Hours*

A historically oriented survey of traditional, art and popular genres within each region.

**403 Music of Indonesia***3 Semester Hours*

An exploration of performing arts in Java, Bali and outer islands of the archipelago.

**404 Music of India***3 Semester Hours*

An exploration of performing arts in North and South India.

**405 Music in Contemporary Society***3 Semester Hours*

Using live performance as the springboard, the elements of music are examined from a cross-cultural perspective.

**412 Pre-Renaissance & 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.

**413 Music of the Baroque***3 Semester Hours*

Composers, musics, and practices from 1600 to 1750 with emphasis on historical development culminating in the works of G.F. Handel and J.S. Bach.

**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.

**415 Music of the Romantic Age***3 Semester Hours*

Composers, music and musical developments from the death of Beethoven through the end of the 19th century.

**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.

**425 Electronic Music***3 Semester Hours*

The history and investigation of electronic, electro-acoustic and computer generated sounds as music composition and production tools.

Prerequisite: MUSC 222.

**426 Arranging & Scoring***1 Semester Hour*

Principles, methods, formats and techniques employed in arranging or scoring existing musical materials for instrumental or vocal genre in selected styles.

Prerequisite: MUSC 222.

**428 Choral Methods II***1 Semester Hour*

Continuation of MUSC 328.

Prerequisite: MUSC 328.

**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.

**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.

---

**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.

---

**445 Choral Practicum***1 Semester Hour*

In-depth study of choral rehearsal practices resulting in a senior project or conducting recital.

Prerequisite: MUSC 432.

---

**450 Senior Project/Recital***1 Semester Hour*

Preparation and presentation of a solo performance in a student recital format.

Advisor permission (applied) and chairperson.

---

**454 World Music: Small Ensemble***0-1 Semester Hours*

Group performance experience in traditional repertoires of Africa, Native North America, East Asia or Indonesia.

Prerequisite: Audition after enrollment.

---

**455 World Music: Large Ensemble***0-1 Semester Hours*

Group performance experience in traditional repertoires of Africa, Native North America, East Asia, or Indonesia.

Prerequisite: Audition after enrollment.

---

**457 Music Management I***3 Semester Hours*

Subjects include, but are not limited to: the music business system, professional songwriting, music publishing, music copyright, music licensing, unions and guilds, agents, managers and attorneys, artist management, concert promotion, theatrical production, music merchandising and arts administration.

---

**458 Music Management II***3 Semester Hours*

Subjects include, but are not limited to: scope of the record industry, record markets, artists' recording contracts, record

production, record promotion, distribution and merchandising, studios and engineers, environmental music, music in radio, music in telecommunications, music in advertising, film scoring, career options and career development.

Prerequisite: MUSC 457.

---

**480 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Seventh semester of private applied lessons in the major.

Prerequisite: MUSC 381.

Corequisite: MUSC 101.

---

**481 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Eighth semester of private applied lessons in the major.

Prerequisite: MUSC 480.

Corequisite: MUSC 101.

---

**482 Guitar, Percussion, Piano, Strings, Voice***1 Semester Hour*

Fourth year of private applied lessons for non-majors (repeatable credit).

Permission of professor required

---

**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.

---

**488 Music Composition IV***1 Semester Hour*

Continuation of 487.

Prerequisite: MUSC 487.

---

**490 Chamber Orchestra***0-1 Semester Hours*

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.

Prerequisite: Audition after enrollment.



---

**491 Consort Singers***0-1 Semester Hours*

Smaller, more advanced choral ensemble provides an opportunity for students to perform challenging choral literature from a wide range of composers and styles. Should have previous choral experience.

Prerequisite: Audition after enrollment.

---

**492 Chamber Music Ensembles***0-1 Semester Hours*

To gain an understanding of, and to develop the skills necessary for small ensemble playing (includes guitar and string quartets).

Prerequisite: Audition after enrollment.

---

**493 Women's Chorus***1 Semester Hour*

The ensemble explores and performs choral literature for treble voices.

Prerequisite: Audition after enrollment.

---

**494 Men's Chorus***1 Semester Hour*

The ensemble explores and performs choral literature for male voices.

Prerequisite: Audition after enrollment.

---

**495 Concert Choir***0-1 Semester Hours*

The large choral ensemble offers students and members of the community instruction in choral music with emphasis on vocal techniques as well as the study and performance of quality literature representing a variety of style periods and musical genres.

Prerequisite: Audition after enrollment.

---

**496 Theory Placement Practicum***0-1 Semester Hours*

Techniques of preparation for theory/form/dictation placement examinations required of music graduate school programs.

---

**497 Musicology Placement Practicum***0-1 Semester Hours*

Techniques of preparation for musicology placement examinations required for entrance into music graduate school programs.

---

**498 Special Studies\****1-3 Semester Hours*

---

**499 Independent Studies\****1-3 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.

# Theatre Arts

## Faculty:

Chairperson: Judith Scalin  
 Professors: Bob G. Ackley, Katharine Free,  
 Judith Royer, C.S.J.  
 Associate Professor: Ron Marasco  
 Assistant Professors: Diane Benedict, John H. Binkley

## Objectives:

The Theatre Arts curriculum is planned to provide a broad education in the humanities, and to develop in the student an appreciation of self and the universality of the human experience. Participation in the performing arts experience is central to this work. All students pursue a general theatre program. 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.

## Major Requirements:

### Lower Division Requirements:

24 semester hours: THEA 111, 120, 220, 230, 240, 245, 250 (2 semesters) and 6 hours of lower division Theatre coursework planned in consultation with departmental advisor.

### Upper Division Requirements:

30 semester hours: 9 hours of Theatre history/literature/criticism courses from the THEA 330's, 340's, 430's; THEA 370, THEA 450 (3 semesters) THEA 490, and 12 hours of upper division Theatre electives.

A minimum grade of C (2.0) must be obtained in each course included in the major requirements.

## Minor Requirements:

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.

## Freshman Year

<i>Fall Semester</i>			S.H.
ENGL	110	Core .....	3
—	—	Core .....	3
—	—	Core .....	3
THEA	111	Intro to Theatre Performance ...	3
THEA	120	Basic Stagecraft .....	3
			—
			15

<i>Spring Semester</i>			S.H.
—	—	Core .....	3
—	—	Core .....	3
THEA	—	Elective .....	3
—	—	Elective .....	3
THEA	220	Intro to Design .....	3
THEA	230	Stage Voice .....	1
			—
			16

## Sophomore Year

<i>Fall Semester</i>			S.H.
—	—	Core .....	3
—	—	Core .....	3
THEA	240	Western Theatre History & Literature I .....	3
THEA	250	Theatre Practicum .....	2
—	—	Elective .....	3
			—
			14

<i>Spring Semester</i>			S.H.
—	—	Core .....	3
—	—	Core .....	3
—	—	Core .....	3
THEA	245	Western Theatre History & Literature II .....	3
THEA	—	Elective .....	3
			—
			15

## Junior Year

<i>Fall Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
THEA	370	Directing for Theatre I ..... 3
THEA	450	Theatre Practicum ..... 1
THEA	_____	Hist/Lit/Crit ..... 3
THEA	_____	Elective ..... 2
		_____
		15

<i>Spring Semester</i>		S.H.
_____	_____	Core ..... 3
_____	_____	Core ..... 3
THEA	_____	Hist/Lit/Crit ..... 3
_____	_____	Elective ..... 3
THEA	_____	Elective ..... 3
THEA	450	Theatre Practicum ..... 1
		_____
		16

## Senior Year

<i>Fall Semester</i>		S.H.
_____	_____	Core ..... 3
THEA	450	Theatre Practicum ..... 1
THEA	_____	Hist/Lit/Crit ..... 3
THEA	_____	Elective ..... 3
_____	_____	Elective ..... 3
THEA	_____	Elective ..... 2
		_____
		15

<i>Spring Semester</i>		S.H.
_____	_____	Core ..... 3
THEA	490	Senior Project ..... 3
THEA	_____	Elective ..... 3
_____	_____	Elective ..... 3
_____	_____	Elective ..... 2
		_____
		14

This schedule is typical. The sequence and choice of courses must be decided in consultation with an advisor.

### 110 Beginning Acting

3 Semester Hours

An introduction to the interpretation of drama through the art of the actor. Designed for the non-major.

### 111 Intro to Theatre Performance

3 Semester Hours

A study of acting, directing and writing techniques that create the theatre event. Acting lab included (Fall).

Prerequisite: Majors/Minors only.

### 120 Basic Stagecraft

3 Semester Hours

A practical study of modern theatrical practice with the purpose of developing the student's awareness of and sensitivity to the many different aspects of a theatre production: acting, directing, set design and construction, costumes, stage management, lighting, sound, make-up, as well as handling administration and publicity. Included is a lab format which provides practical experience and hands-on work in the scene shop.

Corequisite: THEA 121.

### 121 Basic Stagecraft Lab

0 Semester Hours

A practical study of modern theatrical practice lab format which provides hands-on work in the scene shop.

Corequisite: THEA 120.

Offered for credit/no credit only.

### 210 Scene Study and Presentation

3 Semester Hours

Concentrated approach to scene analysis and presentation. Emphasis on further development and integration of acting skills in voice, movement, interpretation, and characterization for performance (Fall).

Prerequisite: THEA 111 or equivalent experience, Majors/Minors only.

### 220 Introduction to Basic Scene, Lighting and Costume Design

3 Semester Hours

A practical study of the elements and principles inherent in all modern theatrical design with the purpose of developing

the students' awareness of and sensitivity to design in the world around them.

Lab included.

---

### **221 Visual Communication 2D**

*3 Semester Hours*

This course refines the sense of color and design begun in earlier courses by enhancing students' responsiveness to visual form, organization and structure. By learning basic sketching and painting techniques in a variety of media this course examines methods and procedures for effective communication and realization of visual concepts.

Prerequisite: THEA 220 or consent of instructor.

---

### **222 Visual Communication 3D**

*3 Semester Hours*

Building on the lessons learned in THEA 221, this course applies various sceno-graphic techniques used in the various stages of planning and executing a setting for the theatre. It seeks to bring together for the special use of drafting techniques, selected portions of descriptive geometry, pattern making or developments from engineering drawing, model construction and the graphics of perspective.

Prerequisite: THEA 221 or consent of instructor.

---

### **225 Basic Stage Make-Up**

*2 Semester Hours*

The art and application of stage make-up. Recommended for acting students and cast members.

---

### **230 Stage Voice**

*1 Semester Hour*

A practicum designed for the individual actor's need for flexible and effective vocal production and clear articulation. Majors only.

---

### **240 Western Theatre History and Lit. I**

*3 Semester Hours*

A study of the theatre (literature, playhouse, performance conventions) of the ancient Greek and Roman worlds, the Medieval world, the Renaissance and the Elizabethan period (Fall).

---

### **245 Western Theatre History and Lit. II**

*3 Semester Hours*

A study of the theatre (literature, playhouse, performance conventions) from the 17th century to the 20th century (Spring).

---

### **250 Theatre Practicum: Crew**

*1-3 Semester Hours*

Participation in production in Theatre and Dance presentations. May be repeated for credit up to 9 semester hours.

Prerequisite: Theatre Arts Majors/Minors.

---

### **251 Theatre Practicum: Performance**

*1-3 Semester Hours*

Participation in performance in theatre presentations. May be repeated for credit up to 9 Semester Hours.

Prerequisite: By audition.

---

### **252 Workshop: Playwrights and Actors**

*1-3 Semester Hours*

The development of new scripts through several possible stages of interaction between actors and writers, leading to staged readings and/or workshop productions. May be repeated for credit up to 9 semester hours.

Prerequisite: Theatre Arts majors/minors, consent of chair and instructor.

---

### **298 Special Studies**

*1-3 Semester Hours*

---

### **299 Independent Studies**

*1-3 Semester Hours*

---

### **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.

---

### **312 Voice Development**

*3 Semester Hours*

The development of the full range of expressiveness in the speaking voice.

**314 Intermediate Acting for Non-Majors***3 Semester Hours*

A continuation of THEA 110.

Prerequisite: THEA 110 and consent of instructor.

**320 Intermediate Scene Design***3 Semester Hours*

This course examines the theory and practice of scene design and manipulation of stage space. Special emphasis is placed on the development of a "point of view" toward the production of the play as related to all aspects of theatrical design.

Prerequisite: THEA 222 or consent of instructor.

**321 Intermediate Lighting Design***3 Semester Hours*

This course examines the theory and practice of lighting design. The core of this course is a series of 'discovery' projects using minimal resources, to explore the use of light in the theatre. Through this exploration students will discover a variety of approaches to developing a successful lighting design.

Prerequisite: THEA 222 or consent of instructor.

**322 Intermediate Costume Design and Construction***3 Semester Hours*

This course examines the craft of designing, planning and constructing costumes including beginning pattern drafting.

Prerequisite: THEA 221 or consent of instructor.

**324 Intermediate Technical Theatre***3 Semester Hours*

This course illustrates the array of accepted responsibilities that are needed to operate a scene shop efficiently. Construction techniques, drafting, problem solving, estimating and scheduling are among a few topics covered.

Prerequisite: THEA 222 or consent of instructor.

**331 Classical Spirit in Drama***3 Semester Hours*

An exploration of the classical drama throughout major periods.

**336 Romantic Spirit in Drama***3 Semester Hours*

An exploration of the romantic drama throughout major periods.

**341 Realistic Spirit in Drama***3 Semester Hours*

An exploration of the realistic drama throughout major periods.

**346 Avant Garde Spirit in Drama***3 Semester Hours*

An exploration of the avant garde drama throughout major periods.

**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.

**348 Asian Spirit in Drama***3 Semester Hours*

An exploration of the Asian drama throughout major periods.

**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.

**362 Performance Training I***3 Semester Hours*

A pre-professional training program, teaching the composite skills of acting in an integrated and concentrated manner and covering such topics as textual analysis for performance, voice and movement for the stage, styles in acting and audition and cold reading (Fall).

Prerequisites: Theatre Arts majors/minors, consent of chair and instructor.

---

**364 Performance Training II***3 Semester Hours**See 362. (Spring)*

Prerequisite: Theatre Arts majors/minors, consent of chair and instructor.

---

**370 Directing for the Theatre I***3 Semester Hours*

An introduction to directing as the synthesizing art of the theatre. The director is considered an artist and craftsman (Fall).

Prerequisites: Theatre Arts majors/minors, consent of chair and instructor.

---

**375 Directing for the Theatre II***3 Semester Hours*

Continuation of THEA 370, with emphasis on advanced theory and practicum.

Prerequisites: THEA 370, Theatre Arts majors/minors, consent of chair and instructor.

---

**398 Special Studies***1-3 Semester Hours*

---

**399 Independent Studies***1-3 Semester Hours*

---

**400 Playwriting***3 Semester Hours*

An introduction to the techniques of writing one-act plays for the theatre.

Prerequisites: Theatre Arts Majors/Minors, consent of chair and Instructor.

---

**422 Advanced Costume Design***3 Semester Hours*

Advanced study in theatre costume construction including pattern making, advanced sewing techniques, and millinery.

Prerequisite: THEA 322 or consent of instructor.

---

**425 Scene Painting***3 Semester Hours*

This course is a guide to the tools and techniques used in modern scene painting.

Prerequisite: THEA 221 or consent of instructor.

---

**426 Advanced Scene and Lighting Design***3 Semester Hours*

This course is an advanced study of scene design and lighting design for the theatre with emphasis on their roles as creative members of a collaborative team.

Prerequisites: THEA 320, 321.

---

**430 Special Author/Genre Seminar***3 Semester Hours*

Study of Shakespeare, Voices of Diversity, or other topics in selected authors and/or dramatic genres. May be repeated only when a different genre and/or author is studied.

---

**435 Special Period Seminar***3 Semester Hours*

Study of 20th Century American Drama, American Drama through the 19th Century, Modern British Playwrights, 17th & 18th Century Comedy, or other topics in theatre history. May be repeated only when a different topic and/or period is studied.

---

**450 Theatre Practicum: Crew***1-3 Semester Hours*

Participation in production in Theatre and Dance presentations. May be repeated for credit up to 9 semester hours.

Prerequisites: THEA 250, Theatre Arts majors/minors

---

**451 Theatre Practicum: Performance***1-3 Semester Hours*

Participation in performance in Theatre presentations. May be repeated for credit up to 9 Semester Hours.

Prerequisite: By audition.

---

**452 Advanced Workshop: Playwrights and Actors***1-3 Semester Hours*

The development of new scripts through several possible stages of interaction between actors and writers, leading to staged readings and/or workshop productions. May be repeated for credit up to 9 semester hours.

Prerequisites: Theatre Arts majors/minors, consent of chair and instructor.

---

### **462 Performance Training III**

*3 Semester Hours*

A pre-professional training program, teaching the composite skills of acting in an integrated and concentrated manner and covering such topics as textual analysis for performance, voice and movement for the stage, styles in acting and audition and cold reading (Fall).

Prerequisites: Theatre Arts majors/minors, consent of chair and instructor.

---

### **464 Performance Training IV**

*3 Semester Hours*

*See 462. (Spring)*

Prerequisites: Theatre Arts majors/minors, consent of chair and instructor.

---

### **490 Senior Thesis: Project**

*3 Semester Hours*

Preparation and presentation of performance or research thesis.

Prerequisite: Majors only.

---

### **498 Special Studies**

*1-3 Semester Hours*

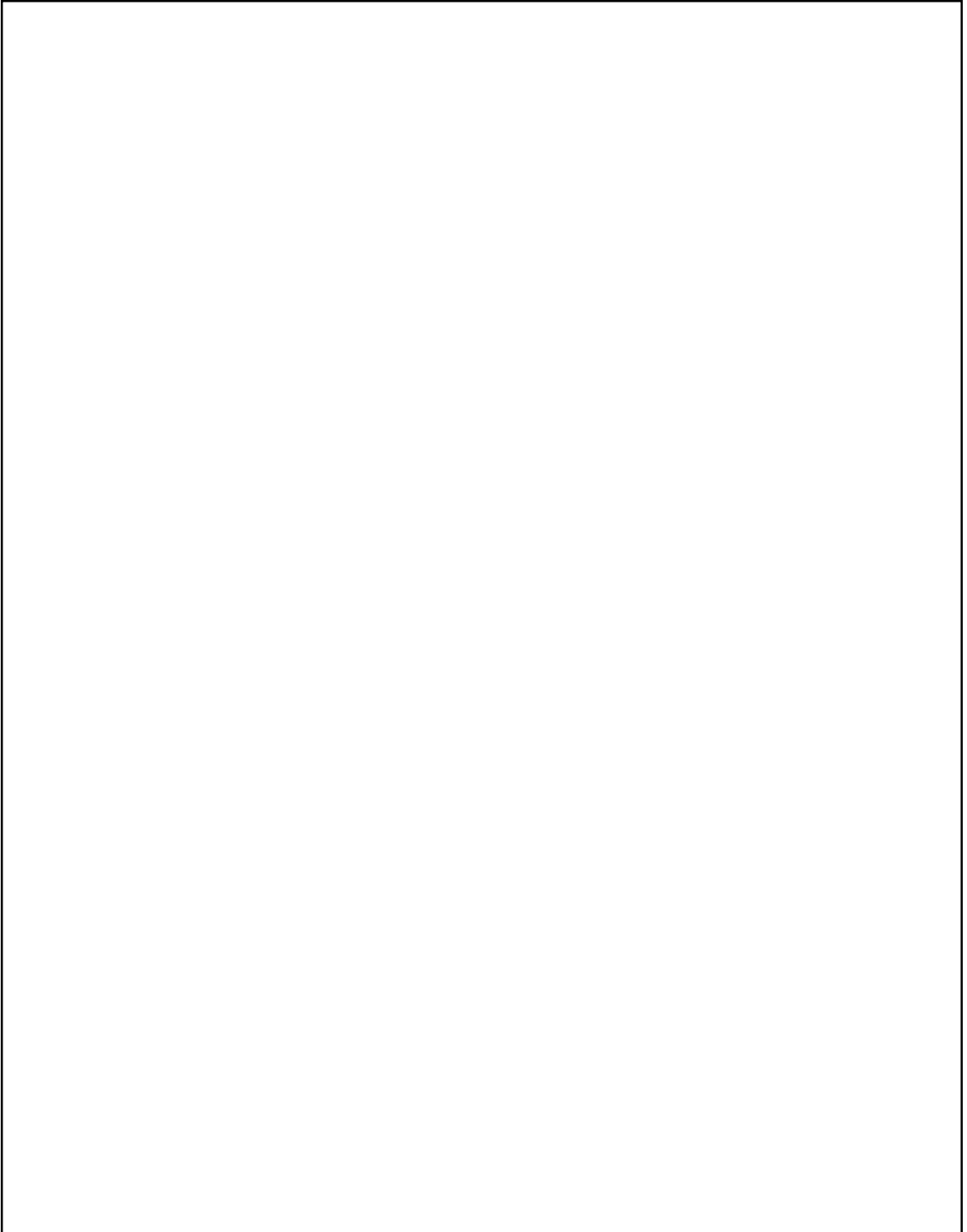
---

### **499 Independent Studies**

*1-3 Semester Hours*

---

# School of Film and Television





# School of Film and Television

## Faculty:

Director: Howard Lavick

Professors: Thomas P. Kelly, John Stewart, Donald J. Zirpola

Associate Professors: Marilyn Beker, Susan Torrey Barber, Pat Connolly, S.J., Steve Duncan, Richard Hadley, Howard Lavick, Mladen Milicevic, Art Nomura, John Weaver

Assistant Professors: Erika Surat Andersen, Robert Burchfield, Glenn Gebhard, Carlos Spivey

## Objectives:

All School of Film and Television courses, whether they be humanistic inquiries into the nature of the media or professionally-oriented exercises in writing and producing film and television, animation or writing for film or television, are aimed at developing critical discernment and equipping the student with the technical, theoretical, aesthetical and aesthetic means to communicate these insights effectively to an audience.

## Major Requirements:

Lower Division Requirements:

The School of Film and Television offers five majors: Animation, Screenwriting, Television Production, Film Production and Recording Arts.

The 15-18 units (depending upon program) of requirement must be completed by all students, including transfer students, before upper division classes are attempted.

## Upper Division Requirements:

The requirements are between 24-36 semester hours chosen from the 300-500 level School of Film and Television courses under the direction of the appropriate school program advisor. All majors must complete a senior thesis project accomplished through ANIM 495 and 496, FILM 460 or 461, RECA 450, SCWR 420, TVPD 440 or 441.

## Change of Program

Admission into one program in the School does not guarantee acceptance into any other program in the School. There is a formal application procedure for students wishing to transfer from one SFT program to another SFT program. This procedure is thoroughly explained in the SFT Change of Program Application forms available from the School.

## Change of Major

There is a formal application procedure for students who wish to be accepted into the School of Film and Television. The procedure is explained in the Change of Major application forms available from the School.

Applications are typically due on the last working day in September, for the Fall semester, and on the last working day in February, for the Spring semester.

# Animation

## Faculty:

Assistant Professor: Rob Burchfield

## Major Requirements:

### Lower Division Requirements:

26 semester hours of lower division courses distributed as follows:  
 ANIM 100, 120, 210, 220; ART 153, 154, 260; either TVPD 241, RECA 250 or FILM 260 and 2 semester hours of Drawing for Animation (ART 200, 201).

Starting in the Fall semester of the sophomore year, Animation majors are required to complete a minimum of 6 semester hours of drawing lab taken each semester until graduation for 1 semester hour (ART 200, 201, 300, 301, 400, 401).

Note: ART 153 & ART 154 are prerequisites for all Figure Drawing Workshops.

### Required fine arts core courses:

Critical Arts - ARHS 200, 201 or 202  
 Creative Arts - ART 153

Recommended: ART 160, 275, 280, 360 and 366; CMSI 182 and 186.

### Upper Division Requirements:

34 semester hours from ANIM 310, 320, 330 or 331, 340, 420, 430 or 431, 440, 490, 495, 496, and 4 semester hours of Drawing for Animation.

## Minor Requirements:

18 semester hours divided into 9 semester hours of lower division work from:

ANIM 100, 210, and 220;  
 and 9 semester hours of upper division work from:  
 ANIM 320, 330, 420 or 331, 430 or 340, 431 or 440 selected under the direction of the program advisor.

## Freshman Year

<i>Fall Semester</i>		S.H.
ANIM	100 History of Animation .....	3
ANIM	120 Beginning Animation Workshop I 3	
ANIM	210 Writing for Animation .....	3
ART	153 Drawing I .....	3
ENGL	110 College Writing .....	3

<i>Spring Semester</i>		S.H.
ANIM	220 Beginning Animation Workshop II 3	
ART	154 Drawing II .....	3
ART	260 Computer Graphics I .....	3
TVPD	241 TV Production Techniques .....	3
or RECA	250 Sound Design .....	(3)
or FILM	260 Introduction to Film Production (3)	
—	— University Core (LD) .....	3
		15

## Sophomore Year

<i>Fall Semester</i>		S.H.
ANIM	320 Advanced Animation Workshop I .....	3
ANIM	330 Computer Animation .....	3
or ANIM	331 Intro 2D Computer Animation . (3)	
ART	200 Figure Drawing Workshop I ....	1
—	— University Core (LD) .....	3
—	— University Core (LD) .....	3
—	— University Core (LD) .....	3
		16

<i>Spring Semester</i>		S.H.
ANIM	420 Advanced Animation Workshop II .....	3
ANIM	430 Computer Animation II .....	3
or ANIM	431 Adv 2D Computer Animation	
ART	201 Figure Drawing Workshop II .....	1
ARHS	200 Art of the Western World I .....	3
or ARHS	201 Art Western World II .....	(3)
or ARHS	202 Twentieth Century Art .....	(3)
—	— University Core (LD) .....	3
—	— University Core (LD) .....	3
		16

## Junior Year

<i>Fall Semester</i>		S.H.
ANIM	310 Adv. Writ. for Anim. ....	3
ANIM	340 Interactive Animation I .....	3
ART	300 Figure Drawing Wrksp III .....	1
—	— University Core (LD) .....	3
—	— University Core (LD) .....	3
—	— University Core (LD) .....	3
		16

<i>Spring Semester</i>			S.H.
ANIM	440	Interactive Animation II .....	3
ART	301	Figure Drawing Wrksp IV .....	1
—	—	University Core (U.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	Elective .....	3
—	—	Elective .....	1
			—
			14

## Senior Year

<i>Fall Semester</i>			S.H.
ANIM	495	Senior Project in Animation I .....	3
ART	400	Figure Drawing Wrksp V .....	1
—	—	University Core (U.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	Elective .....	3
—	—	Elective .....	1
			—
			14

<i>Spring Semester</i>			S.H.
ANIM	496	Senior Project in Animation II .....	3
ANIM	490	Animation Practicum .....	3
ART	401	Figure Drawing Wrksp VI .....	1
—	—	Elective .....	3
—	—	Elective .....	3
—	—	Elective .....	1
			—
			14

The proper sequence of these courses should be discussed with students advisor.

### 100 History of Animation

3 Semester Hours

Survey of 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.

### 120 Beginning Animation Workshop I

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.

### 198 Special Studies

1-3 Semester Hours

### 199 Independent Studies

1-3 Semester Hours

### 210 Writing for Animation

3 Semester Hours

Introduction to research and practice in creative writing and planning for animated film and video.

### 220 Beginning Animation Workshop II

3 Semester Hours

Intermediate workshop in the art of animated film production.

Prerequisite: ANIM 120.

### 298 Special Studies

1-3 Semester Hours

### 299 Independent Studies

1-3 Semester Hours

### 310 Advanced Writing for Animation

3 Semester Hours

Research and practice in writing for animated film and video.

Prerequisite: ANIM 210

### 320 Advanced Animation Workshop:

3 Semester Hours

Workshop in the art of animated film production.

Prerequisite: ANIM 220.

### 330 Computer Animation I

3 Semester Hours

Introduction to 3D 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.

Prerequisite: ANIM 220.

---

### **331 Introduction to Two Dimensional Computer Animation**

*3 Semester Hours*

Introduction to 2D 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.

---

### **340 Interactive Animation**

*3 Semester Hours*

Introduction to creative and technical aspects of interactive animation technology.

Prerequisite: ANIM 420 and 430.

---

### **398 Special Studies**

*1-3 Semester Hours*

---

### **399 Independent Studies**

*1-3 Semester Hours*

---

### **420 Advanced Animation Workshop II**

*3 Semester Hours*

Workshop in the art of animated film production. Further development of student projects from ANIM 370.

Prerequisite: ANIM 320.

---

### **430 Computer Animation II**

*3 Semester Hours*

Further practical study in computer animation: including storyboarding, geometric modeling, choreography, lighting, texture mapping, background creation and rendering.

Prerequisite: ANIM 330.

---

### **431 Advanced Two Dimensional Computer Animation**

*3 Semester Hours*

2D digital film production. Topics of study include: image processing and manipulation, motion and articulation strategies, digital production techniques, rendering and compression techniques.

Prerequisite: ANIM 331

---

### **440 Interactive Animation II**

*3 Semester Hours*

Production and design using interactive animation technology.

Prerequisite: ANIM 340.

---

### **490 Animation Practicum**

*3 Semester Hours*

Professional experience in animation. Animation internship.

Prerequisite: Senior standing.

---

### **495 Senior Project in Animation I**

*3 Semester Hours*

Practical experience in animation production.

Prerequisite: ANIM 440.

---

### **496 Senior Project in Animation II**

*3 Semester Hours*

Continuation of practical experience in animation production.

Prerequisite: ANIM 495.

---

### **498 Special Studies**

*1-3 Semester Hours*

---

### **499 Independent Studies**

*1-3 Semester Hours*

# Film Production

## Lower Division Requirements:

18 semester hours of lower division courses distributed as follows: FILM 180, TVPD 200, FILM 210, SCWR 220, FILM 260 (completed with a grade of B (3.0) or better) and either TVPD 241 or RECA 250 (FILM 180 can be taken in the freshman year or the fall semester of the sophomore year).

## Upper Division Requirements:

Satisfactory completion of FILM 360, 365, 366, 379, 460 or 461, RECA 367, TVPD 509 or FILM 510, and at least one cinema history course chosen from FILM 313, 314, 411, 412, or 413.

## Freshman Year

<i>Fall Semester</i>			S.H.
TVPD	200	Survey of Mass Communications .....	3
or FILM	210	Art of the Cinema .....	(3)
ENGL	110	College Writing .....	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
—			15

<i>Spring Semester</i>			S.H.
FILM	210	Art of the Cinema .....	3 or
TVPD	200	Survey of Mass Communications	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
FILM	180	Art Direction and Sound Stage Production .....	3
—			15

## Sophomore Year

<i>Fall Semester</i>			S.H.
TVPD	241	TV Production Techniques .....	3
or RECA	250	Sound Design .....	(3)
FILM	260	Introduction to Film Production .....	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
—	—	University Core (LD) .....	3
—			15

<i>Spring Semester</i>			S.H.
SCWR	220	Beginning Film & TV Writing .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	Elective .....	3
—			15

## Junior Year

<i>Fall Semester</i>			S.H.
FILM	—	Cinema History* .....	3
FILM	365	Cinematography .....	3
FILM	366	Editing .....	3
RECA	367	Production Sound** .....	3
—	—	University Core (L.D.) .....	3
—			15

<i>Spring Semester</i>			S.H.
FILM	360	Intermediate Film Production ....	3
FILM	379	Fundamentals of Directing .....	3
—	—	University Core (U.D.) .....	3
—	—	Elective .....	3
—	—	Elective .....	3
—			15

## Senior Year

<i>Fall Semester</i>			S.H.
FILM	510	Theories of Film Criticism .....	3
or TVPD	509	Aesthetics of Mass Media .....	(3)
—	—	University Core (U.D.) .....	3
—	—	Elective .....	3
—	—	Elective .....	3
—	—	Elective .....	3
—			15

<i>Spring Semester</i>			S.H.
FILM	460	Advanced Film Production I .....	3
or FILM	461	Directed Study in Film Production .....	(3)
—	—	Elective .....	3
—	—	Elective .....	3
—	—	Elective .....	3
—	—	Elective .....	3
—			15

The proper sequence of these courses should be discussed with the student's advisor.

\* At least one course must be chosen from FILM 313, 314, 411, 412, or 413.

\*\* RECA 367 can be taken prior to, or concurrently with FILM 360.

### **180 Art Direction and Sound Stage Procedures**

*3 Semester Hours*

Practicum in the design, construction, safety and procedures of stage use. Lab fee.

Majors only.

### **210 Art of the Cinema**

*3 Semester Hours*

An introduction to visual literacy, using the major new art form of the 20th century. Selected screenings, readings, and lecture/discussions.

Lab Fee.

### **211 Art of the Cinema Lab**

*0 Semester Hours*

Weekly film discussion sections.

### **260 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 films in the Super-8 format.

Prerequisite: FILM 210 or RECA 250.

Animation Students:

Prerequisite: ANIM 100, 120, 210.

Lab Fee.

### **261 Introduction to Film Production Lab**

*3 Semester Hours*

*0 Semester Hours*

Training in the technical aspects of beginning film production: camera, sound and lighting.

### **313 History of American Film**

*3 Semester Hours*

A critical and historical survey of American film. Screenings, lectures, discussions.

Lab Fee.

### **314 History of European Film**

*3 Semester Hours*

A critical survey of European film. Screenings, lectures, discussions.

Lab Fee.

### **315 History of the Documentary**

*3 Semester Hours*

A critical and historical survey of the documentary film. Screenings, lectures, discussions.

Lab Fee.

### **360 Intermediate Film Production**

*3 Semester Hours*

Practicum in the production of 16mm sound films from initial concept through final answer print. Lectures on professional production procedures are linked to personal experience on an actual film project.

Prerequisites: FILM 365, 366, FILM 260 with a grade of B or better.

Majors only.

### **365 Cinematography**

*3 Semester Hours*

An introduction to 16mm motion picture cameras, film stocks, lighting, and grip equipment. Location and studio procedures for both sync and non-sync situations.

Lecture and Lab 5 hrs.

Prerequisite: FILM 260 (completed with a grade of 'B' or better).

Majors only.

### **366 Film Editing**

*3 Semester Hours*

Post-production theory and practice as applied to film.

Prerequisite: FILM 260 (completed with a grade of B or better).

Majors only.

NOTE: 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.

---

### **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.

Prerequisite: FILM 260 for Film Program, TVPD 241 for TV Program.

Majors only.

---

### **379 Fundamentals of Directing**

*3 Semester Hours*

Survey of pre-production preparation for directors, including script analysis, casting, visualization and working with actors.

Prerequisite: FILM 260 for Film and Screenwriting programs, TVPD 241 for TV program.

Majors only.

---

### **398 Special Studies**

*1-3 Semester Hours*

---

### **399 Independent Studies**

*1-3 Semester Hours*

---

### **410 Motion Picture Analysis**

*3 Semester Hours*

Critical analysis of representative current movies joined, whenever possible, by class encounters with the filmmakers themselves.

---

### **411 Film Genres**

*3 Semester Hours*

An in-depth study of one film genre (the western, the

musical, film noir, etc.). Screenings, lectures, and discussions.

Lab Fee. May be repeated only when a different genre is studied.

---

### **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.

---

### **413 National Film**

*3 Semester Hours*

An in-depth study of the films of one nation. Screenings, lectures and discussions.

Lab Fee.

---

### **460 Advanced Film Production I**

*3 Semester Hours*

Practical experience in motion picture production on a para-professional level including writing, directing, and editing a 16mm sync sound film. Note: Insurance required for off-campus use of equipment.

Prerequisites: FILM 360, 365, 366, 379, RECA 367.

Majors only.

---

### **461 Directed Study in Film Production**

*3 Semester Hours*

This class will fulfill your thesis requirement in lieu of FILM 460 upon successful completion of the course. The course is an intensive investigation in one or more areas of production based upon a mentorship, interviews, practical experience, 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.

Prerequisites: FILM 360, 379; RECA 367

Majors only.

---

### **466 Advanced Editing**

*3 Semester Hours*

Further studies in the techniques of editing for film and/or TV.

Prerequisites: FILM 360, 366 (Film students); TVPD 346 and TVPD 341 or 344 (TV students).

Lab Fee.

---

### **467 Post Production Sound**

*3 Semester Hours*

Advanced sound theory with actual experience in sound rerecording for both film and television.

Prerequisite: RECA 367.

---

### **473 Women in Film**

*3 Semester Hours*

Explore the ways that women are represented in historical and contemporary film in a variety of cultures. This course also examines the works of women directors in an international context.

---

### **490 Communication Practicum I**

*3 Semester Hours*

Internship with one of several Los Angeles media companies currently accepting LMU students. Practical experience working at a professional level for a network, film studio, advertising agency, radio station, etc. May be repeated once.

Majors only.

---

### **491 Communication Practicum II**

*3 Semester Hours*

Further directed experience with a professional company in a media field.

Majors only.

---

### **498 Special Studies**

*1-3 Semester Hours*

---

### **499 Independent Studies**

*1-3 Semester Hours*

---

### **510 Theories of Film Criticism**

*3 Semester Hours*

An examination of representative philosophies of film drawn from the writings of outstanding critics and informed viewings of selected films.

Lab Fee.

---

### **513 Seminar in American Film**

*3 Semester Hours*

Advanced studies in American film. Screenings, lectures and discussions.

Lab Fee.

---

### **514 Seminar in European Film**

*3 Semester Hours*

Advanced studies in European film styles. Screenings, lectures and discussions.

Lab Fee.

---

### **515 Seminar on the Documentary**

*3 Semester Hours*

Advanced critical and analytical study of the evolution of documentary film/television screenings, lectures and discussion.

Lab Fee.

---

### **560 Advanced Film Production**

*3 Semester Hours*

Further practical experience in motion picture production on a para-professional level including the producing, directing, and editing of a 16mm sync sound film.

N.B. Insurance is required for location use of sync sound equipment.

Prerequisite: Approval of project by the instructor prior to registration.

---

### **598 Special Studies**

*1-3 Semester Hours*

---

### **599 Independent Studies**

*1-3 Semester Hours*



# Recording Arts

## Lower Division Requirements:

15 semester hours of lower division courses distributed as follows: TVPD 200, FILM 210, RECA 250 (completed with a grade of B (3.0) or better), FILM 260 and either SCWR 220 or TVPD 241; MUSC 104.

### Upper Division Requirements:

Satisfactory completion of RECA 350, RECA 352, 355, 356, 357, 367, 450, 457; FILM 467.

## Freshman Year

<i>Fall Semester</i>			S.H.
TVPD	200	Survey of Mass Communications .....	3
or FILM	210	Art of the Cinema .....	(3)
ENGL	110	College Writing .....	3
_____	_____	University Core (LD) .....	3
_____	_____	University Core (LD) .....	3
_____	_____	University Core (LD) .....	3
			15

<i>Spring Semester</i>			S.H.
FILM	210	Art of the Cinema .....	3
or TVPD	200	Survey of Mass Communications .....	(3)
MUSC	104	Fundamentals of Music .....	3
_____	_____	University Core (LD) .....	3
_____	_____	University Core (LD) .....	3
_____	_____	University Core (LD) .....	3
			15

## Sophomore Year

<i>Fall Semester</i>			S.H.
SCWR	220	Beginning Film & TV Writing .....	3
or TVPD	241	TV Production Techniques .....	(3)
RECA	250	Sound Design .....	3
_____	_____	University Core (LD) .....	3
_____	_____	University Core (LD) .....	3
_____	_____	University Core (LD) .....	3
			15

<i>Spring Semester</i>			S.H.
FILM	260	Introduction to Film Production ..	3
_____	_____	University Core (LD) .....	3
_____	_____	University Core (LD) .....	3
_____	_____	University Core (LD) .....	3
_____	_____	Elective .....	3
			15

## Junior Year

<i>Fall Semester</i>			S.H.
RECA	350	Recording Technology .....	3
RECA	352	Electronic/Environ Acoustics .....	3
RECA	367	Production Sound .....	3
_____	_____	University Core (UD) .....	3
_____	_____	Elective .....	3
			15

<i>Spring Semester</i>			S.H.
RECA	355	The Recording Process .....	3
RECA	357	Random Access Audio .....	3
_____	_____	Elective .....	3
_____	_____	University Core (UD) .....	3
_____	_____	Elective .....	3
			15

## Senior Year

<i>Fall Semester</i>			S.H.
RECA	356	Recording Techniques .....	3
RECA	467	Post Production Sound .....	3
_____	_____	Elective .....	3
_____	_____	Elective .....	3
_____	_____	Elective .....	3
			15

<i>Spring Semester</i>			S.H.
RECA	450	Advanced Recording .....	3
RECA	457	Adv. Rdm Access Audio .....	3
_____	_____	Elective .....	3
_____	_____	Elective .....	3
_____	_____	Elective .....	3
			15

The proper sequence of these courses should be discussed with the student's advisor.

---

### **250 Sound Design**

*3 Semester Hours*

Conceptual and perceptual examination of aural phenomena and aesthetics of sound in media.

Majors only.

---

### **298 Special Studies**

*1-3 Semester Hours*

---

### **299 Independent Studies**

*1-3 Semester Hours*

---

### **350 Recording Technology**

*3 Semester Hours*

The electronic theories of sound recording and reproduction.

Prerequisites: RECA 250 and concurrent enrollment in RECA 352 and 367.

RECA students only.

---

### **351 Broadcast Announcing**

*3 Semester Hours*

Theory and practice of proper announcing techniques. Course can emphasize news, commercials, sports, radio drama, or combination thereof.

---

### **352 Electronic/Environmental Acoustics**

*3 Semester Hours*

The behavior of sound in various environments and techniques of modifying sound.

Prerequisites: RECA 250 and concurrent enrollment in RECA 350 and 367.

RECA students only.

---

### **355 The Recording Process**

*3 Semester Hours*

Theoretical and practical aspects of sound recording.

Lecture and Lab 6 hrs.

Prerequisite: RECA 350, 352, 367.

RECA students only.

---

### **356 Recording Techniques**

*3 Semester Hours*

Advanced study in multi-track recording.

Lecture and Lab 6 hrs.

Prerequisites: RECA 350, 352, 367, 355.

RECA students only.

---

### **357 Random Access Audio**

*3 Semester Hours*

Introduction to concepts of computer-based Random Access Audio systems.

Prerequisites: RECA 350, 352, 367.

RECA students only.

---

### **367 Production Sound**

*3 Semester Hours*

Production sound theory and practice, with actual experience in recording, production sound and introduction to initial post-production procedures for film and TV.

Prerequisites: for Film students - FILM 260 (completed with a grade of B or better), RECA 367 may be taken concurrently with FILM 360; for Recording Arts students - RECA 350 and 352; for Television Production students - TVPD 346.

---

### **398 Special Studies**

*1-3 Semester Hours*

---

### **399 Independent Studies**

*1-3 Semester Hours*

---

### **450 Advanced Recording**

*3 Semester Hours*

Supervised and advanced projects in sound recording.

Prerequisite: RECA 350, 352, 355, 356, 357, 367, 467.

RECA students only.

---

### **457 Advanced Random Access Audio**

---

### *3 Semester Hours*

Advanced topics in Random Access Audio, such as the use of Pro Tools.

Prerequisites: RECA 350, 352, 355, 356, 357, 367, 467.

RECA students only.

---

### **467 Post Production Sound**

*3 Semester Hours*

Advanced applications for film sound postproduction: ADR, Foley, dialogue and sound effects editing, dubbing and mixing.

Prerequisite: RECA 350, 352, 355, 357, 367.

RECA students only.

---

### **493 Contemporary Issues: Recording Arts**

*3 Semester Hours*

Further studies in sound recording theory and practice.

Prerequisite: RECA 356.

---

### **498 Special Studies**

*1-3 Semester Hours*

---

### **499 Independent Studies**

*1-3 Semester Hours*

---

### **598 Special Studies**

*1-3 Semester Hours*

---

### **599 Independent Studies**

*1-3 Semester Hours*

# Screenwriting

## Lower Division Requirements:

12 semester hours of lower division courses distributed as follows: TVPD 200, FILM 210, SCWR 220 (completed with a grade of B (3.0) or better) and FILM 260.

## Upper Division Requirements:

Satisfactory completion of SCRW 320, TVPD 417, FILM 366, 379, SCWR 420, 426, 428 and two cinema history courses from FILM 313, 314, 315, 411, 412, 413 or TVPD 417. In consultation with the advisor, it is also recommended that the student take courses outside the major in writing, literature, and drama courses from English, Classics and Theatre department offerings.

## Freshman Year

<i>Fall Semester</i>			S.H.
TVPD	200	Survey of Mass Communications .....	3
or FILM	210	Art of the Cinema .....	(3)
ENGL	110	College Writing .....	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
			15

<i>Spring Semester</i>			S.H.
FILM	210	Art of the Cinema .....	3
or TVPD	200	Survey of Mass Communications .....	(3)
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
			15

## Sophomore Year

<i>Fall Semester</i>			S.H.
FILM	260	Introduction to Film Production .	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
			15
<i>Spring Semester</i>			S.H.
SCWR	220	Beginning Film & TV Writing .....	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
___	___	University Core (LD) .....	3
___	___	Elective .....	3
			15

## Junior Year

<i>Fall Semester</i>			S.H.
FILM	___	Cinema History* .....	3
SCWR	320	Intermediate Writing for Film & TV .....	3
FILM	366	Editing .....	3
FILM	379	Fundamentals of Directing .....	3
___	___	University Core (UD) .....	3
			15
<i>Spring Semester</i>			S.H.
SCWR	428	Adaptation: One Medium to Another .....	3
___	___	University Core (UD) .....	3
___	___	Elective .....	3
___	___	Elective .....	3
___	___	Elective .....	3
			15

## Senior Year

<i>Fall Semester</i>		S.H.
SCWR	420	Advanced Writing Project ..... 3
FILM	___	Cinema History* ..... 3
___	___	Elective ..... 3
___	___	Elective ..... 3
___	___	Elective ..... 3
		15

<i>Spring Semester</i>		S.H.
SWCR	426	Writing for TV ..... 3
___	___	Elective ..... 3
___	___	Elective ..... 3
___	___	Elective ..... 3
___	___	Elective ..... 3
		15

The proper sequence of these courses should be discussed with the student's advisor.

\* Two courses must be chosen from FILM 313, 314, 315, 411, 412, or 413.

### 220 Beginning Film and Television Writing *3 Semester Hours*

Practicum in the basics of television and film writing; idea, outline, plot, characterization, etc. Analysis of scripts.

Lab Fee.

### 298 Special Studies *1-3 Semester Hours*

### 299 Independent Studies *1-3 Semester Hours*

### 320 Intermediate Writing for Film and Television *3 Semester Hours*

Practical experience in writing scripts with individualized analysis of plot and character development.

Prerequisite: SCWR 220.

Majors only. Lab Fee.

### 325 Writing for Comedy *3 Semester Hours*

Practical experience in writing in various comic forms with emphasis on television situation comedy.

Prerequisite: SCWR 220.

Majors only.

### 398 Special Studies *1-3 Semester Hours*

### 399 Independent Studies *1-3 Semester Hours*

### 420 Senior Writing Project *3 Semester Hours*

Specially directed projects in writing for film, television, or other media from initial concept through finished form.

Prerequisite: SCWR 320.

Lab Fee.

### 426 Writing for Television *3 Semester Hours*

An in-depth examination of TV genre writing. Topics vary per offering: drama, sitcoms, daytime, game show, miniseries, movie of the week, etc.

Prerequisite: SCWR 320.

### 428 Adaptation: One Medium To Another *3 Semester Hours*

The structures of writing as they are affected by changes of form, e.g., novel or short story to play or film, etc.

Prerequisite: SCWR 320.

### 498 Special Studies *1-3 Semester Hours*

### 499 Independent Studies *1-3 Semester Hours*

# Television Production

## Lower Division Requirements:

18 semester hours of lower division courses distributed as follows: FILM 180, TVPD 200, SCWR 220, FILM 210 or RECA 250, TVPD 241 (completed with a grade of B (3.0) or better), and FILM 260. (FILM180 can be taken in the freshman year or the Fall semester of the sophomore year.)

## Upper Division Requirements:

Satisfactory completion of TVPD 341, 344, 345, 346, FILM 379; TVPD 416 or 417, 440 or 441, and FILM 315 or TVPD 490/491.

## Freshman Year

<i>Fall Semester</i>			S.H.
TVPD	200	Survey of Mass Communications	3
ENGL	110	College Writing .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
			15

<i>Spring Semester</i>			S.H.
FILM	210	Art of the Cinema .....	3
or RECA	250	Sound Design .....	(3)
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
or FILM	180	Art Direction and Sound Stage Production .....	(3)
			15

## Sophomore Year

<i>Fall Semester</i>			S.H.
FILM	260	Introduction to Film Production	3
SCWR	220	Beginning Film & TV Writing .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
or FILM	180	Art Direction and Sound Stage Production .....	(3)
			15

<i>Spring Semester</i>			S.H.
TVPD	241	TV Production Techniques .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
—	—	University Core (L.D.) .....	3
			15

## Junior Year

<i>Fall Semester</i>			S.H.
TVPD	346	Video Editing .....	3
TVPD	345	Electronic Cinematography .....	3
FILM	379	Fundamentals of Directing .....	3
—	—	University Core (U.D.) .....	3
—	—	Elective .....	3
			15

<i>Spring Semester</i>			S.H.
TVPD	341	Intermediate TV Production .....	3
TVPD	344	Remote TV Production .....	3
—	—	University Core (U.D.) .....	3
—	—	Elective .....	3
—	—	Elective .....	3
			15

## Senior Year

<i>Fall Semester</i>		S.H.
TVPD 490/491	Internship .....	3
or FILM 315	History of the Documentary ...	(3)
TVPD 416	Television Genres .....	3
or TVPD 417	History of Broadcasting .....	(3)
— —	Elective .....	3
— —	Elective .....	3
— —	Elective .....	3
		15

<i>Spring Semester</i>		S.H.
TVPD 440	Advanced TV Production .....	3
or TVPD 441	Directed Study in TV Production(3)	
TVPD 417	History of Broadcasting .....	3
or TVPD 416	Television Genres .....	(3)
— —	Elective .....	3
— —	Elective .....	3
— —	Elective .....	3
		15

The proper sequence of these courses should be discussed with the student's advisor.

### 200 Survey of Mass Communications

*3 Semester Hours*

Structure, function and effects of the mass media.

### 241 Television Production Techniques

*3 Semester Hours*

An introduction to the aesthetic and practical problems of communications in the multi-camera television studio.

Lecture and Lab 5 hrs.

### 341 Intermediate Television Production

*3 Semester Hours*

Practicum in production of student projects from initial concept through post-production with rotating crew assignments in multi-camera TV studio.

Lecture and Lab 6 hrs.

Prerequisites: TVPD 345, 346.

### 342 Live Television

*3 Semester Hours*

Aesthetics and techniques of live television programming techniques.

Lecture and Lab 6 hrs.

Prerequisite: TVPD 341.

### 344 Location Video Production

*3 Semester Hours*

Planning, producing, and editing a documentary, dramatic or experimental video production on actual locations.

Lecture and Lab 4 hrs.

Prerequisites: TVPD 345, 346.

### 345 Electronic Cinematography

*3 Semester Hours*

To increase students' ability to see and express ideas visually. To provide students with a technical knowledge of the video camera and related equipment. To develop techniques for effective studio lighting.

Prerequisites: TVPD 241, FILM 260.

Majors only.

### 346 Video Editing

*3 Semester Hours*

Practical experience in the techniques and aesthetics of television editing.

Lecture and Lab 4 hrs.

Prerequisites: TVPD 241, FILM 260.

Majors only.

### 398 Special Studies

*1-3 Semester Hours*

### 399 Independent Studies

*1-3 Semester Hours*

---

**400 Mass Media and Society***3 Semester Hours*

The specialized problems in contemporary communications.

Prerequisite: TVPD 200.

---

**416 Television Genres***3 Semester Hours*

In depth historical study of a television genre (situation comedy, police drama, news, etc.) screenings, lectures and discussions.

Lab fee. May be repeated only when a different genre is studied.

---

**417 History of Broadcasting***3 Semester Hours*

An introduction to the history, structure and procedures of the broadcasting industry.

Lab fee.

---

**440 Advanced TV Production***3 Semester Hours*

Practical experience in television production with individual responsibility for the creation and completion of a TV project and team experience in a variety of production functions on other student class projects.

Prerequisites: TVPD 341 or 344; FILM 379 and project approval by the instructor prior to registration.

---

**441 Directed Study in TV Production***3 Semester Hours*

This class will fulfill your thesis requirement in lieu of TVPD 440 upon successful completion of the course. The course is an intensive investigation in one or more areas of production based upon a mentorship, interviews, practical experience, 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.

Prerequisites: TVPD 341 or 344; FILM 379.

Majors only.

---

**490 Communication Practicum I***3 Semester Hours*

Internship with one of several Los Angeles media companies currently accepting LMU students. Practical experience working at a professional level for network, film studio, advertising agency, radio station, etc.

Majors only. May be repeated once.

---

**491 Communication Practicum II***3 Semester Hours*

Further directed experience with a professional company in a media field.

Majors only.

---

**498 Special Studies***1-3 Semester Hours*

---

**499 Independent Studies***1-3 Semester Hours*

---

**509 Aesthetics of Mass Media***3 Semester Hours*

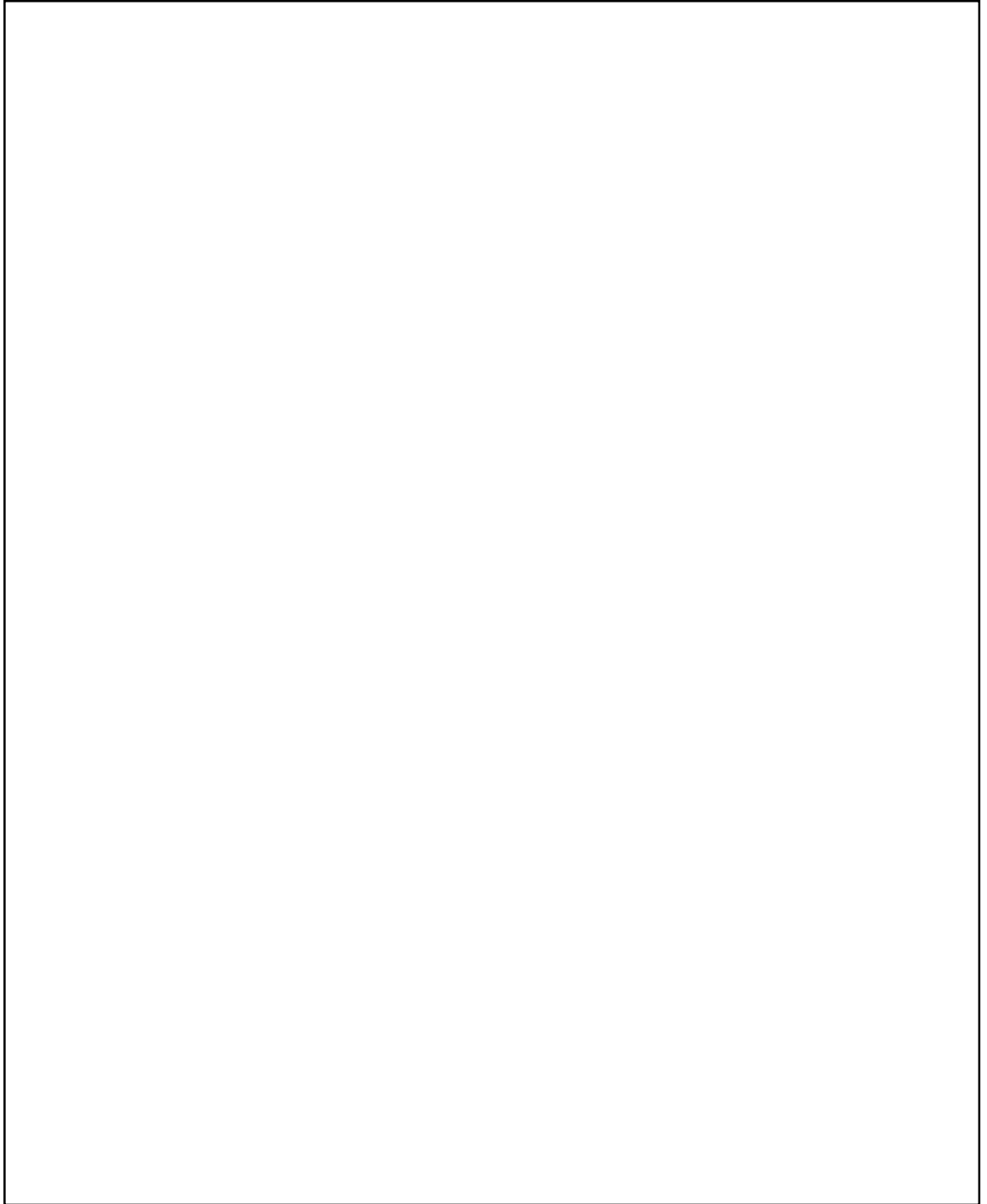
The philosophical bases of media criticism and evaluation.

Lab fee.



---

# School of Education



# School of Education

## Faculty:

Dean: Albert P. Koppes, O. Carm.

Professors: Paul De Sena, Victoria Graf, Scott Kester,  
Albert P. Koppes, O. Carm., Mary McCullough,  
Candace Poindexter

Associate Professors: Thomas Batsis, Magaly Lavadenz,  
Brian Leung, Irene Oliver

Assistant Professors: Marta Baltodano, Shane Martin,  
Edmundo F. Litton

Clinical Faculty: Kimberly Haag

## Mission Statement

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, 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.

## Goal Statement

The faculty, staff and students of the School of Education 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 a positive value and meaning to the learning experience.
- *Promote cultural responsiveness and social justice*  
We recognize diversity as a strength and we commit ourselves personally and professionally to serve diverse and marginalized populations and to work for the establishment of a just and equitable society. As one expression of this commitment, we utilize sociocultural and constructivist perspectives in teaching and learning. We value these perspectives because they incorporate active participation in learning, 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 so that sound scholarship informs our actions. We are a community of reflective practitioners, guided by critical inquiry and social responsibility.

- *Develop moral, intellectual and responsible leaders*

We expect educators to reflect high standards of ethics and values. We seek to be, and to form others to be men and women who have the intellectual skills to critically evaluate educational issues and who have the moral conviction to respond to agents of change.

- *Collaborate and share leadership across communities*

We believe in the necessity of working collaboratively with the schools and districts, students and parents, 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.

### Development of Academic and Professional Standards

The School of Education (SOE) is committed to the development of the most qualified educators to work in the schools. This commitment is made to the candidates who matriculate at LMU, to the students they will work with, 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 after by schools and school districts.

During the candidates' course of study in the SOE, 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 plan for remediation. This plan may include, but is not limited to, referral to the Program Coordinator, specific tutorials provided by the faculty, support from peers, and a referral to the university's Learning Resource Center. If the candidate is not able to attain the minimum course grade needed for graduation, with permission of the Program Coordinator, the candidate may re-take the course to attain a higher grade.

All undergraduate candidates placed on academic probation will be required to meet with the Program Coordinator who will monitor the candidate's work in the next 2 semesters. Two consecutive semesters of academic probation will lead

to disqualification from the candidate's program of study as well as from the SOE.

**Professional (non-academic) Development:** This constitutes behaviors, dispositions, and attitudes that the SOE and accreditation agencies have determined to be necessary for successful educators. When a candidate fails to meet appropriate professional expectations in class or in field placements, the instructor will first consult with the Program Coordinator. If, after this consultation, both faculty members believe that the situation warrants further action, the Program Coordinator will conduct one-on-one meeting(s) with the candidate to discuss expectations for improvement. This may include, but is not limited to, specific tutorials provided by any member of the faculty, a referral to the university's counseling center, and a referral to the SOE's standing committee on Professional Standards Support (PSS).

The PSS committee, to be composed of representatives of the faculty, the current student body, the alumni, and district personnel, will review the concerns identified by the faculty. Together with the candidate, the committee will develop an individualized written remediation plan, with appropriate timelines (not to exceed one semester), to assist the candidate's development. The Program Coordinator will monitor this plan. If the candidate is not able to demonstrate acceptable progress and appropriate professional (non-academic) development within the set timeline, the candidate will be disqualified from the program of study and from the SOE.

#### Professional (non-academic) Expectations

The SOE faculty, in reviewing accreditation agency expectations and professional standards, identified two major types of professional abilities which are essential to working successfully in schools with children, families, and colleagues. They are:

- Ability to demonstrate **Team Work** with peers and others (e.g. flexibility, cooperation, active participation)
- Ability to serve as an effective **Role Model** for youth (e.g. positive attitude, treat others with respect, professional in appearance, able to handle obstacles with tact and strategy, accepts feedback for reflection). At a broader level, candidates should be role models for the profession to the general public.

Therefore, the following are attitudes and behaviors that students in the School of Education are expected to demonstrate during their matriculation:

#### In Learning Situations

- willingness to learn new knowledge
- active participation during class
- utilization of new information in practice

#### In Interactions with Peers, Professors, and Field Supervisors

- ability to work cooperatively with others (e.g. small group work)
- displays acceptance of people from diverse background, in words and action
- demonstrates appropriate dress/appearance
- manages conflict and stress without aggression or confrontations

#### In Evaluative Situations (in course work and during supervision)

- accepts feedback in non-defensive manner
- willing to engage in self-reflection
- demonstrates new skills after feedback

## Teacher Education Division

Organization:

The School of Education Teacher Education Division offers the Crosscultural, Language and Academic Development Credential (CLAD) in both multiple subject (elementary) and single subject (secondary) teaching for all candidates. The Bilingual Crosscultural, Language, and Academic Development Credential (BCLAD) in the Spanish language is also available for qualified candidates. Coursework for the Education Specialist Teaching Credential: Mild/Moderate Disabilities (special education) is also available. In addition, master's degrees, teaching, specialist and service credentials are offered for graduate students. Please see the GRADUATE BULLETIN for details.

### Elementary Education:

Coordinator: Irene Oliver

Assistant Coordinator: Candace Poindexter

Bilingual Coordinator: Magaly Lavadenz

Acceptance into the undergraduate CLAD or BCLAD multiple subject (elementary) teaching credential program is accomplished by completing and submitting the following to the School of Education:

1. Elementary Teaching Program application form.
2. Official transcripts from all colleges/universities attended (grade point average of 2.8 or higher).
3. Complete all prerequisite courses with a grade "B" or better (EDUC 400, 401, 415, and CHST 403 or EDUC 414). These courses must be completed prior to review for admission by the TAAC Committee.

4. SAT score report for students who have completed the exam within the last 5 years.
5. CBEST score report. The CBEST must be passed prior to review for admission by the TAAC.
6. Praxis Multiple Subject Assessment for Teachers (MSAT) test scores for those students not majoring in Liberal Studies. This examination must be passed prior to review for admission by the TAAC.
7. Reading Instruction Competence Assessment (RICA). This examination must be passed after completion of EDUC 409 and before a credential is issued.
8. Evidence of at least 60 hrs. experience with culturally diverse youth groups at the 4-13 year age level.
9. Four recommendation forms (one of which must be from the student's major advisor).
10. Interview with Assistant Coordinator (or Bilingual Coordinator if applicable) of Elementary Education Program.
11. Interview with Coordinator of Elementary Education Program (CLAD only).
12. Fingerprint Clearance. An application for fingerprint clearance must be submitted after acceptance into the program.
13. Results of Tuberculin Skin Test given within the last year.
14. After steps 1-13 above have been completed, the candidate's file will be submitted to the Teacher Admission and Advisory Committee (TAAC) for review. TAAC meetings are held three times each calendar year. Dates are available from the office secretary. Files of applicants must be complete at least three weeks prior to TAAC meetings. It is the student's responsibility to ensure that all items have been received. The committee may accept, defer or deny admission.

Informational Orientation Meetings are held monthly at the University. Attendance at one of these meetings is required to obtain appropriate forms, instructions, and further information. The orientations last approximately one hour and are free. Further assistance in filing paperwork may also be obtained from the School of Education office. Students should apply for acceptance in their sophomore year.

All documents become the property of the University and will not be released to any person or institution.

**No more than four prerequisite courses may be taken prior to formal admission to the education program. Prerequisite courses are only available**

**to second semester sophomores (45 semester hours earned) or higher.**

**Requirements for the Preliminary Multiple Subject (Elementary) CLAD or BCLAD Teaching Credential:**

- I. If the Liberal Studies major is not elected, the candidate must complete:
  - (a) MATH 306 (3 Semester Hours)
  - (b) HIST 161, HIST 162, POLS 130, or POLS 135 (or equivalent)

(An appropriate exam also fulfills this requirement; please contact History Department for further information).
- II. Language Requirement:
  - (a) Completion of six semester units in coursework that emphasizes the learning of a language other than English (including American Sign Language). All six units must be in the same language. Coursework in the methodology of teaching a language is not acceptable. Please see advisor to determine acceptance and documentation of second language requirement.
  - (b) BCLAD candidates must complete test 6 (Spanish Language) of the CTC exam (prior to student teaching). Candidates with a Spanish major are exempt. Please see Bilingual Coordinator.
- III. EDUC 441 Basic Computer Skills for Educators (1.0 Semester Hour) Recommended Prerequisite.
- IV. Prerequisite Coursework
  - (a) EDUC 400 Sociocultural Analysis of Education
  - (b) EDUC 401 Educational Psychology for the Childhood Years
  - (c) CHST 403 or EDUC 414 Theories in Second Language Acquisition
  - (d) EDUC 415 Language Policies in Education (3 Semester Hours)

Initial Assessment: On completion of initial coursework, each candidate will be assessed in terms of performance in classes, field work, standards, required testing, and professional (non-academic) development. All teacher education faculty will be involved in this assessment.
- V. Required professional coursework: (Suggested Sequence)
  - (a) EDUC 404 Science in the Elementary Curriculum (2 Semester Hours)

- (b) EDUC 405 Math in the Elementary Curriculum (2 Semester Hours) (prerequisite MATH 306)
- (c) EDUC 406 Social Studies in the Elementary Curriculum (2 Semester Hours)
- (d) EDUC 409 Reading/Language Arts in the Elementary Curriculum (3 Semester Hours) (Prerequisites EDUC 415, 404, 405 and 406)

#### Additional Courses for Bilingual (BCLAD) Candidates Only:

- (e) EDUC 416 Methodology for Primary Language Instruction in Bilingual Setting
- (f) CHST 420 Chicano/Latino Cultures: An Interdisciplinary Perspective

Pre-fieldwork Assessment: Before student teaching or the final assessment course, each candidate will be assessed in terms of performance in classes, field work, standards, required testing, readiness for final fieldwork, and professional (non-academic) development. All teacher education faculty will be involved in this assessment.

#### VI. Student Teaching — **no other courses may be taken during the student teaching semester.**

- (a) EDUC 410 Elementary Directed Teaching (12 Semester Hours) (Additional fee required)

#### VII. Bachelor's Degree Completed

#### VIII. Application through the School of Education to the Commission on Teacher Credentialing, State of California. (Additional fee required).

### **Additional Requirements for the Professional Clear Multiple Subject (Elementary) CLAD or BCLAD Teaching Credential:**

- I. 30 units (upper division) beyond the Bachelor's degree must be successfully completed.
- II. Professional Coursework
  - (a) Education of Culturally/Linguistically Diverse Students with Exceptional Needs: EDUC 629, EDUC 440, or PSYC 422
  - (b) Health Education in the Schools (offered through Continuing Education)
  - (c) Technology in Elementary Education (offered through Continuing Education)

#### III. Current Adult, Infant and Child CPR (Cardiopulmonary Resuscitation) certification

#### IV. Application through the School of Education to the Commission on Teacher Credentialing, State of California. (Additional fee required).

A student has five years after obtaining the preliminary credential in which to complete the requirements for the professional clear credential. Individuals may begin teaching upon receiving the preliminary credential.

Further requirements for the Professional Clear Teaching Credential may be mandated by the State. All requirements that are in effect at the time a student applies for the Professional Clear Teaching Credential must be completed. Please consult the Credential Analyst in the Education Office for the most recent information.

**A "B" (3.0) grade point average must be maintained in all credential work. A "D" (1.0) is not acceptable in any of the coursework in the sequence. Courses may not be taken for a grade of "Credit/No Credit" (with the exception of student teaching).**

The program requirements are also outlined in detail in the Graduate Bulletin which is available in the Graduate Office.

### **Secondary Education:**

Coordinator: Shane Martin

Assistant Coordinator: Edmundo F. Litton  
Bilingual Coordinator: Magaly Lavadenz

Acceptance into the CLAD or BCLAD single subject (secondary) teaching credential program is accomplished by completing and submitting the following items to the School of Education:

1. Secondary Teaching Program application form.
2. Official transcripts from all colleges/universities attended (grade point average of 2.8 or higher).
3. Complete all prerequisite courses with a grade "B" or better (EDUC 400, 402, CHST 403 or EDUC 414 and one of the following: 484, 485, 486, 487, or 488). These courses must be completed prior to review for formal admission.
4. SAT score report.
5. Complete a subject matter competency program in an academic field\* or pass the appropriate Praxis/SSAT examinations in a specific subject area. Assurance of progress towards the completion of waiver or verification of passage of the Praxis/SSAT exams must be submitted prior to review for formal admission.
6. CBEST score report. The CBEST must be passed prior to review for formal admission.

7. Evidence of at least 60 hours experience with culturally diverse youth groups at the 11-18 year age level. A substantial portion of the 60 hours experience must be completed in a classroom in the subject area which the candidate plans to teach.
8. Four recommendation forms (one of which must be from the student's major advisor).
9. Interview with Assistant Coordinator (or Bilingual Coordinator if applicable) of Secondary Education Program.
10. Interview with Coordinator of Secondary Education Program (CLAD only).
11. Fingerprint Clearance. An application for fingerprint clearance must be submitted after acceptance into the program.
12. Results of Tuberculin Skin Test given within the last year.
13. After steps 1-12 above have been **completed**, the candidate's file will be reviewed for admission by the Secondary Admissions Committee. Admissions Meetings are held three times a year. **It is the student's responsibility to ensure that all items have been received.** The Committee may accept, defer or deny admission.

Informational Orientation Meetings are held monthly at the University in the early evening. Attendance at one of these meetings is required to obtain appropriate forms, instructions, and further information. The orientations last approximately one hour and are free. Dates and further assistance in filing paperwork may be obtained from the School of Education Office. Students should apply for acceptance in their sophomore year.

All documents become the property of the University and will not be released to any person or institution.

**No more than four prerequisite courses may be taken prior to admission. Prerequisite courses are only available to second semester sophomores or higher. All registration for education courses after the prerequisites must be approved by the School of Education.**

\*An individual wishing to teach in grades 7-12 of the California public schools is required to obtain a Single Subject Credential. Academic majors in fields such as English, social science, science, math, and foreign languages attained while a Loyola Marymount undergraduate may qualify as acceptable academic fields to teach. Specific programs are approved by the Commission on Teacher Credentialing and must be strictly followed. An academic advisor from the appropriate area must verify candidate's progress in the subject area.

## Requirements for the Preliminary Single Subject (Secondary) CLAD or BCLAD Teaching Credential:

### I. U.S. Constitution Requirement

- (a) HIST 161, HIST 162, POLS 130, or POLS 135 (or equivalent)

(An appropriate exam also fulfills this requirement; please contact History Department for further information).

### II. Language Requirement

- (a) Completion of six semester units in coursework that emphasizes the learning of a language other than English (including American Sign Language). All six units must be in the same language. Coursework in the methodology of teaching a language is not acceptable. Please see advisor to determine acceptance and documentation of second language requirement.
- (b) BCLAD candidates must complete test 6 (Spanish Language) of the CTC exam (prior to student teaching). Candidates with a Spanish major are exempt. Please see Bilingual Coordinator.

### III. EDUC 441 Basic Computer Skills for Educators (1.0 Semester Hour) Recommended Prerequisite.

### IV. Prerequisite Coursework (3 Semester Hours each)

- (a) EDUC 400 Sociocultural Analysis of Education
- (b) EDUC 402 Educational Psychology for the Adolescent Years
- (c) CHST 403 or  
EDUC 414 Theories in Second Language Acquisition

One of the following methodology courses:

- (d) EDUC 484 General Methods Teaching Languages Other Than English
- EDUC 485 Teaching Social Studies in Secondary Schools
- EDUC 486 Trends in Teaching English in Secondary Schools
- EDUC 487 Trends in the Teaching of Secondary Science
- EDUC 488 Trends in the Teaching of Secondary Math

Initial Assessment: On completion of initial coursework, each candidate will be assessed in terms of performance in classes, field work, standards, required testing, and professional (non-

academic) development. All teacher education faculty will be involved in this assessment

V. Professional Coursework: (Suggested Sequence) (3 Semester Hours each)

- (a) EDUC 428 Reading/Language Arts for Single Subject Teachers
- (b) EDUC 415 Language Policies in Education

Additional courses for Bilingual (BCLAD) Candidates Only:

- (c) EDUC 416 Methodology for Primary Language Instruction in Bilingual Setting
- (d) CHST 420 Chicano/Latino Cultures: An Interdisciplinary Perspective

Pre-fieldwork Assessment: Before student teaching or the final assessment course, each candidate will be assessed in terms of performance in classes, field work, standards, required testing, readiness for final fieldwork, and professional (non-academic) development. All teacher education faculty will be involved in this assessment.

VI. Student Teaching

- (a) EDUC 412 Secondary Directed Teaching (9 Semester Hours)

(Subject matter competency must be 80% completed or Praxis/SSAT exams passed prior to enrolling in EDUC 412).

(Only one other course may be taken during student teaching which must be approved in advance by the Coordinator).

(Additional fee required).

VII. Bachelor's Degree Completed

VIII Application through the School of Education to the Commission on Teacher Credentialing, State of California. (Additional fee required).

**Additional Requirements for the Professional Clear Single Subject (Secondary) CLAD or BCLAD Teaching Credential:**

- I. 30 units (upper division) beyond the Bachelor's degree must be successfully completed.
- II. Professional Coursework
  - (a) Education of Culturally/Linguistically Diverse Students with Exceptional Needs EDUC 629, EDUC 440, or PSYC 422
  - (b) Health Education in the Schools (offered through Continuing Education)

(c) Technology in Secondary Education (offered through Continuing Education)

III. Current Adult, Infant and Child CPR (Cardiopulmonary Resuscitation) certification

IV. Application through the School of Education to the Commission on Teacher Credentialing, State of California. (Additional fee required).

A student has five years after obtaining the preliminary credential in which to complete the requirements for the professional clear credential. Individuals may begin teaching upon receiving the preliminary credential.

Further requirements for the Professional Clear Teaching Credential may be mandated by the State. All requirements that are in effect at the time a student applies for the Professional Clear Teaching Credential must be completed. Please consult the Credential Analyst in the Education Office for the most recent information.

**A "B" (3.0) grade point average must be maintained in all credential work. A "D" (1.0) is not acceptable in any of the coursework in the sequence. Courses may not be taken for a grade of "credit/no credit" (with the exception of field work and student teaching).**

## Special Education:

Coordinator: Victoria Graf

The Special Education program allows students with a variety of academic backgrounds to pursue a minor in Special Education or the Education Teaching Specialist Credential: Mild/Moderate Disabilities. These programs include preparation in the education of culturally and linguistically diverse students with exceptional needs. The Education Specialist Credential: Mild/Moderate Disabilities authorizes candidates to teach students with specific learning disability, mental retardation, other health impairments, or serious emotional disturbance.

## Admission Requirements for Mild/Moderate Specialist Credential:

Application for admission into the Mild/Moderate specialist credential, elementary school-age emphasis, is accomplished by completing and submitting the following to the School of Education:

1. Special Education Program application form, including program checklist.
2. Official transcripts from all colleges/universities attended.
3. Three letters of recommendation that would indicate the applicants promise as a teacher in special education programs, particularly with culturally and

linguistically diverse students with exceptional needs. All recommendations should be on appropriate school or business letterhead.

4. Verification of at least three months (approximately 60 hours) experience working with culturally and linguistically diverse youth groups between the ages of 4-22.
5. Verification of CBEST passage.
6. **Elementary Education Emphasis** - Verification of passing scores on the Praxis Multiple Subject Assessment for Teachers (MSAT) examination for those students who did not major in Liberal Studies. (This requirement is only applicable to those seeking the credential.)

### OR

**Secondary Education Emphasis** - Verification of passing scores on the Praxis/SSAT examination for those students who did not complete a Subject Matter Preparation Program in an academic field.

7. If the Liberal Studies major is not elected, the candidate must complete MATH 306 and one of the following: HIST 161, HIST 162, POLS 130, POLS 135.
8. Interview with Coordinator of Special Education Program.
9. Interview with one other faculty member in Special Education or the Coordinator of Elementary or Secondary Education (CLAD only) or Bilingual Coordinator (BCLAD only).

Upon receipt of items #1-9, the applicants file will be reviewed for admittance into the program. The following items must then be completed and/or verified:

10. Fingerprint Clearance. An application for fingerprint clearance must be submitted after acceptance into the program and no later than completion of the first semester of coursework in the program. (Additional Fee Required)

All documents become the property of the University and will not be released to any person or institution.

## Course Requirements for the Education Specialist Credential: Mild/Moderate Disabilities

(Elementary School-Age Emphasis)

This credential program should be started during the student's sophomore year. Students in this program generally major in Liberal Studies (see admission requirement #6). Students must transfer their admission status to graduate

student upon completion of their baccalaureate degree. The program listed is geared towards elementary school-age children. Candidates that also wish to pursue the multiple subject (elementary) teaching credential should see the additional requirements listed under the combination program immediately following.

Candidates are encouraged to meet regularly with their Program Coordinator for advice and assistance in meeting the admission requirements and registering for classes. The recommended sequence of courses is as follows:

### I. U.S. Constitution Requirement:

HIST 161, 162; POLS 130, 135 (or equivalent). (An appropriate exam also fulfills this requirement. Please contact the History Department for further information.)

### II. Language Requirement:

For CLAD candidates, completion of six semester units in coursework that emphasizes the learning of a language other than English (including American Sign Language) is required. All six units must be in the same language. Coursework methodology of teaching a language is not acceptable. There are additional ways to meet this requirement. Please see the Coordinator to determine acceptance and documentation. For BCLAD candidates, proficiency in Spanish language is required and will initially be assessed with the Bilingual Coordinator.

### III. EDUC 441 Basic Computer Skills for Educators (1.0 Semester Hour) Recommended Prerequisite.

### IV. Prerequisite Coursework (Sophomore Year):

EDUC 435	What is School?
EDUC 400	Sociocultural Analysis of Education
EDUC 401	Educational Psychology for the Childhood Years
CHST 403	Theories in Second Language Acquisition (or EDUC 414 Theories of Second Language Acquisition)

Initial Assessment: On completion of initial coursework, each candidate will be assessed in terms of performance in classes, field work, standards, required testing, and professional (non-academic) development. All teacher education faculty will be involved in this assessment

### V. Professional Coursework (Junior and Senior Years):

EDUC 440	Introduction to Culturally/ Linguistically Diverse Students with Exceptional Needs
----------	------------------------------------------------------------------------------------



EDUC 405	Math in the Elementary Curriculum
EDUC 409	Reading and Language Arts in the Elementary Curriculum (* See note on RICA test)
EDUC 452	Psychological and Educational Assessment
EDUC 443	Informal Assessment and Individual Education Program (IEP) Development
EDUC 427	Creating Effective Classrooms in Diverse Settings
EDUC 436	Creating Collaborative Partnerships
EDUC 476	Policies and Issues in Education for Diverse Learners with Disabilities
EDUC 475	Teaching and Assessing Students with Mild/Moderate Disabilities

Pre-fieldwork Assessment: Before student teaching or the final assessment course, each candidate will be assessed in terms of performance in classes, field work, standards, required testing, readiness for final fieldwork, and professional (non-academic) development. All teacher education faculty will be involved in this assessment.

#### VI. Student Teaching (Graduate Student):

EDUC 456	Directed Teaching with Students with Mild/Moderate Disabilities (6 semester hours)
----------	------------------------------------------------------------------------------------

Note on the RICA Test: The Reading Instruction Competency Assessment (RICA) is required for all multiple subject credential programs. This examination should not be attempted until completion of EDUC 409 and must be passed before a credential is issued.

#### VII. Additional requirements for Professional Level 2 Mild/Moderate Disabilities Specialist (Graduate Student) (Under development):

Candidates who have completed the Preliminary Level I Mild/Moderate Specialist credential program and have a full-time special education teaching position working with students with mild/moderate disabilities must enroll in an approved program for the Professional Level II Education Specialist credential within 120 calendar days of service on the Preliminary credential. Teachers in day-to-day substitute or long-term substitute positions are not eligible for this program.

In the Level II program, candidates work with a

district assigned support provider and a university advisor to develop a Professional Induction plan that includes advanced coursework, professional experiences, and a one-year mentorship with the assigned support provider. The program is designed to meet the candidate's individual needs and professional development goals. Candidates may complete a Master's degree, a multiple or single subject credential or non-college professional development activities as part of their Professional Education Specialist program.

A candidate has five years after obtaining the Preliminary Level I Mild/Moderate Specialist credential in which to complete the requirements for the Professional Level II Mild/Moderate Specialist credential.

**Thirty units (upper division) beyond the Bachelor's degree must be successfully completed which must include the following courses:**

Core Special Education Requirement (**10 units**)  
 Professional Induction Planning Seminar (**.5 units**)  
 Advanced Issues in Assessment and Instruction of Students with Special Needs (**3 units**)  
 Consultation and Collaboration for Students with Special Needs (**3 units**)  
 Supportive Environments for Students with Behavior and Emotional Needs (**3 units**)\*  
 Professional Educator Evaluation Seminar (**.5 units**)

**\* The Level II program is collaborative program with Mount St. Mary's College. Loyola Marymount University candidates will enroll for courses at LMU but will take EDUC 653 at the Doheny campus of Mount St. Mary's College. Please contact Dr. Victoria Graf for more details.**

#### Professional Clear Requirements

Health Education in the Schools (offered through Continuing Education) (**3 units**)  
 Computer Education in the Schools (offered through Continuing Education) (**3 units**)  
 Current Adult, Infant and Child CPR (Cardiopulmonary Resuscitation) certification

#### Elective (3 units) or non-university option (45 hours)

Depending on their individual needs and professional goals, candidates may elect to complete an elective course by completing 45 hours of approved professional development activities.

## Combination Program Requirements Mild/Moderate Disabilities Specialist Credential Combined with the Multiple Subject (Elementary) Crosscultural, Language and Academic Development (CLAD) Teaching Credential

The Multiple Subject CLAD Teaching Credential can be pursued concurrently with the Education Specialist Credential: Mild/Moderate Disabilities. Advisement is through both the Coordinator of Special Education and the Coordinator of Elementary Education. In addition to the previously listed program sequence for the Mild/Moderate Disabilities Specialist Credential, the following are required:

### I. U.S. Constitution Requirement:

HIST 161, 162; POLS 130, 135 (or equivalent). (An appropriate exam also fulfills this requirement. Please contact the History Department for further information.)

### II. Language Requirement:

For CLAD candidates, completion of six semester units in coursework that emphasizes the learning of a language other than English (including American Sign Language) is required. All six units must be in the same language. Coursework methodology of teaching a language is not acceptable. There are additional ways to meet this requirement. Please see the Coordinator to determine acceptance and documentation. For BCLAD candidates, proficiency in Spanish language is required and will initially be assessed with the Bilingual Coordinator.

### III. EDUC 441 Basic Computer Skills for Educators (1.0 Semester Hour) Recommended Prerequisite.

### IV. Professional Coursework:

EDUC 404	Science in the Elementary Curriculum (2 semester hours)
EDUC 406	Social Studies in the Elementary Curriculum (2 semester hours)

### V. Student Teaching

EDUC 410	Elementary Directed Teaching (6 semester hours)
----------	-------------------------------------------------

## Requirements for Minor in Special Education:

This is an 18 semester hour program composed of selected courses in special education and psychology, approved in consultation with the coordinator of special education.

Recommended course sequence is as follows:

Sophomore Year:

EDUC 435  
EDUC 401 (or 402)

Junior Year:

EDUC 440 (or PSYC 422)  
EDUC 444

Senior Year:

EDUC 452  
EDUC 443

## Course Requirements for the Education Specialist Credential: Mild/Moderate Disabilities

(Secondary School-Age Emphasis)

Candidates that also wish to pursue the single subject (secondary) teaching credential should see the additional requirements listed under the combination program immediately following.

The recommended sequence of courses is as follows:

### I. U.S. Constitution Requirement:

HIST 161, 162; POLS 130, 135 (or equivalent). (An appropriate exam also fulfills this requirement. Please contact the History Department for further information.)

### II Language Requirement:

For CLAD candidates, completion of six semester units in coursework that emphasizes the learning of a language other than English (including American Sign Language) is required. All six units must be in to the same language. Coursework methodology of teaching a language is not acceptable. There are additional ways to meet this requirement. Please see the Coordinator to determine acceptance and documentation. For BCLAD candidates, proficiency in Spanish language is required and will initially be assessed with the Bilingual Coordinator.

### III. EDUC 441 Basic Computer Skills for Educators (1.0 Semester Hour) Recommended Prerequisite.

### IV. Prerequisite Coursework

EDUC 435	What is School?
EDUC 400	Sociocultural Analysis of Education

EDUC 402 Educational Psychology for the Adolescent Years

EDUC 414 Theories in Second Language Acquisition (or CHST 403)

Initial Assessment: On completion of initial coursework, each candidate will be assessed in terms of performance in classes, field work, standards, required testing, and professional (non-academic) development. All teacher education faculty will be involved in this assessment

#### V. Professional Coursework

EDUC 440 Introduction to Culturally/Linguistically Diverse Students with Exceptional Needs

EDUC 428 Reading/Language Arts for Single Subject Teachers (\*See Note on RICA Test)

EDUC 484, 485, 486, 487, 488 Subject Matter Methodology Courses

EDUC 452 Psychological and Educational Assessment

EDUC 443 Informal Assessment and Individual Educational Program (IEP) Development for Students with Exceptional Needs

EDUC 427 Creating Effective Classrooms in Diverse Settings

EDUC 436 Creating Collaborative Partnerships

EDUC 476 Policies and Issues in Education for Diverse Learners with Disabilities

EDUC 475 Teaching and Assessing students with Mild/Moderate Subject Matter Disabilities

Pre-fieldwork Assessment: Before student teaching or the final assessment course, each candidate will be assessed in terms of performance in classes, field work, standards, required testing, readiness for final fieldwork, and professional (non-academic) development. All teacher education faculty will be involved in this assessment.

#### VI. Student Teaching

EDUC 556 Directed Teaching/Internship with Culturally Linguistically Diverse Students with Learning Handicaps

Note on the RICA Test: The Reading Instruction Competency Assessment (RICA) is required for all multiple subject credential programs. This examination should not be attempted until completion of EDUC 428 and must be passed before a credential is issued.

#### VII. Professional Level 2 Mild/Moderate Disabilities Specialist (under development)

For the Professional Level 2 Mild/Moderate Disabilities Specialist Credential, 30 semester hours beyond the Bachelor's degree must be completed including:

(a) Seminar/Fieldwork Course(s) (Induction Plan Requirement)

(b) Professional Development Activities Plan Course(s)

(c) Health Education in the Schools (offered through Continuing Education)

(d) Computer Education in Elementary Schools (offered through Continuing Education)

(e) Current Adult, Infant, and Child CPR (Cardiopulmonary Resuscitation) Certification

#### VII. Additional requirements for Professional Level 2 Mild/Moderate Disabilities Specialist (Graduate Student) (Under development):

Candidates who have completed the Preliminary Level I Mild/Moderate Specialist credential program and have a full-time special education teaching position working with students with mild/moderate disabilities must enroll in an approved program for the Professional Level II Education Specialist credential within 120 calendar days of service on the Preliminary credential. Teachers in day-to-day substitute or long-term substitute positions are not eligible for this program.

In the Level II program, candidates work with a district assigned support provider and a university advisor to develop a Professional Induction plan that includes advanced coursework, professional experiences, and a one-year mentorship with the assigned support provider. The program is designed to meet the candidate's individual needs and professional development goals. Candidates may complete a Master's degree, a multiple or single subject credential or non-college professional development activities as part of their Professional Education Specialist program.

A candidate has five years after obtaining the Preliminary Level I Mild/Moderate Specialist credential in which to complete the requirements for the Professional Level II Mild/Moderate Specialist credential.

**Thirty units (upper division) beyond the Bachelor's degree must be successfully completed which must include the following courses:**

Core Special Education Requirement (**10 units**)  
 Professional Induction Planning Seminar (**.5 units**)  
 Advanced Issues in Assessment and Instruction of Students with Special Needs (**3 units**)  
 Consultation and Collaboration for Students with Special Needs (**3 units**)  
 Supportive Environments for Students with Behavior and Emotional Needs (**3 units**)\*  
 Professional Educator Evaluation Seminar (**.5 units**)

\* **The Level II program is collaborative program with Mount St. Mary's College. Loyola Marymount University candidates will enroll for courses at LMU but will take EDUC 653 at the Doheny campus of Mount St. Mary's College. Please contact Dr. Victoria Graf for more details.**

### Professional Clear Requirements

Health Education in the Schools (offered through Continuing Education) (**3 units**)

Computer Education in the Schools (offered through Continuing Education) (**3 units**)

Current Adult, Infant and Child CPR (Cardiopulmonary Resuscitation) certification

### Elective (3 units) or non-university option (45 hours)

Depending on their individual needs and professional goals, candidates may elect to complete an elective course by completing 45 hours of approved professional development activities.

### Additional Coursework for CLAD/ BCLAD Certificate

EDUC 604      Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE)

EDUC 619      Anthropological Analysis of Cultural Diversity

BCLAD Requirement:

EDUC 609      Methodology for Primary Language Instruction in a Bilingual Setting

EDUC 620      Chicano/Latino Cultures: An Interdisciplinary Perspective

Additional requirements for this certificate need to be met through the BCLAD examination series, including language

proficiency. See Bilingual Coordinator prior to registration for classes. Test 6 (not applicable to Spanish majors) must be passed prior to enrolling in Student Teaching.

### Combination Program Requirements Mild/Moderate Disabilities with Single Subject (Secondary) CLAD Teaching Credential

The Single Subject CLAD Teaching Credential can be pursued concurrently with the Education Specialist Credential: Mild/Moderate Disabilities. Advisement is through both the Coordinator of Special Education and the Coordinator of Secondary Education. In addition to the previously listed program sequence for the Mild/Moderate Disabilities Specialist Credential, the following are required:

Professional Coursework

EDUC 412

Secondary Directed Teaching

### BCLAD Certificate Option

Candidates who qualify and additionally complete the Bilingual Competency requirement for Spanish plus EDUC 609, EDUC 619 and EDUC 620 are eligible for the certificate in Bilingual, Crosscultural, Language and Academic Development (BCLAD).

**A "B" (3.0) grade point average must be maintained in all credential work. A "D" (1.0) is not acceptable in any of the coursework in the sequence. Courses may not be taken for a grade of "credit/no credit" (with the exception of student teaching).**

### 400 Sociocultural Analysis 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.

Prerequisite: Second semester sophomore or higher.

### 401 Educational Psychology for the Childhood 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. Field work is required.

Prerequisite: Second semester sophomore or higher.

### **402 Educational Psychology for the Adolescent Years**

*3 Semester Hours*

A study of the learning environment, the evaluation of learning and the teaching/learning process. An analysis of language acquisition and the physical, intellectual, emotional, cultural and ethnic factors affecting development, learning and behavior. This course is a prerequisite for acceptance into the Single Subject Credential Program. Emphasis is placed on implications for teaching and learning in middle schools, junior and senior high schools. Field work is required.

Prerequisite: Second semester sophomore or higher.

### **404 Science in the Elementary Curriculum**

*3 Semester Hours*

This course is designed to provide opportunities for prospective teachers to develop their understanding and ability to teach science to culturally diverse students in the elementary grades. Particular emphasis is placed on strategies which will accommodate linguistically diverse students. Laboratory type activities provide opportunities for the students to investigate a variety of methods related to teaching science using a conceptual approach. Investigations stress processes, attitudes, values, and technological relationships that are effective in multicultural and multilingual classrooms. Focus is on the interaction between the teacher, students, and the discipline of science, and how the student is actively involved in learning through a constructivist and experiential approach.

Lab fee required.

Prerequisite: Admission to program.

### **405 Mathematics in the Elementary Curriculum**

*3 Semester Hours*

This course is designed to provide opportunities for prospective teachers to develop their understanding and ability to teach mathematics in the elementary grades. Particular emphasis is placed on laboratory type activities where students investigate a variety of methods related to teaching math using a conceptual approach and utilizing strategies which are successful with culturally and

linguistically diverse learners. Focus is on the development of lessons and long term plans to actively involve the learner in all of the math strands through experiential activities.

Lab fee required.

Prerequisites: MATH 306; Admission to program.

### **406 Social Studies in the Elementary Curriculum**

*3 Semester Hours*

This course is designed to provide opportunities for prospective teachers to develop professional knowledge and competence for teaching social studies. This course deals with purpose, content, procedures, and organization of instruction in those curricular areas as prescribed in the California State adopted framework. The current trends and social issues affecting the teacher's selection of instructional approaches and the selection of instructional resources are explored. All state-mandated content areas including culturally and linguistically diverse teaching techniques and methods for social studies are included.

Prerequisite: Admission to program.

### **409 Reading and Language Arts in the Elementary Curriculum**

*3 Semester Hours*

This course is designed to provide opportunities for prospective teachers to develop their understanding and ability to teach reading/language arts 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 the teaching of reading/language arts instruction in the elementary school.

Prerequisite or concurrent enrollment: EDUC 415, 404, 405 and 406 or admission to the mild/moderate specialist credential program.

### **410 Directed Teaching, Elementary**

*6-12 Semester Hours*

Full-time supervised teaching in two culturally diverse public elementary schools; seminar sessions held throughout the term which include instruction in art, music, and physical education. Offered on a Credit/No Credit basis only.

Prerequisites: EDUC 409.

**411 Fieldwork: Observation and Participation***3 Semester Hours*

A practical application analysis of contemporary secondary education; preparation of candidates for entry into the student teaching experience. The course provides future student teaching candidates an opportunity to (1) expand on theories and pedagogical practices by attending on-campus seminar workshops and (2) participate in secondary school-site supervised field work where students are afforded an opportunity to interrelate these theories and practices with real-life experience. Offered on a Credit/No Credit basis only.

Admission by consent of Coordinator.

**412 Fieldwork: Secondary Directed Teaching***6-12 Semester Hours*

Use of good instructional practices in public or private schools, analysis of the secondary curriculum with special emphasis on the student's major; development of a professional viewpoint through participation in organized group discussion. During the term the student engages in supervised teaching in an accredited public or private junior or senior high school. Offered on a Credit/No Credit basis only.

Admission by consent of Coordinator.

**414 Theories of Second Language Acquisition***3 Semester Hours*

Historical, political and social factors related to second language acquisition are addressed. Course content also includes theoretical perspectives in second language learning, including assessment, identification, and program placement for limited English proficient students. An overview of instructional strategies including English Language Development (ELD), Specially Designed Academic Instruction in English (SDAIE) and cooperative learning.

**415 Language Policies in Education***3 Semester Hours*

Overview of the theories, history and practices of bilingual education, including federal, state, and local legislation and policies, organizational models and instruction.

This course also addresses current research, policies and critical pedagogy in bilingual settings.

Prerequisite: CHST 403.

**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.

Prerequisite: EDUC 415 and consent of Coordinator.

**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.

**428 Reading/Language Arts for Single Subject Teachers***3 Semester Hours*

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.

**435 What is School?***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.

---

**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.

---

**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, resources are included. Implications of recent legislation for the disabled will be emphasized.

---

**441 Basic Computer Skills for Educators***1 Semester Hour*

Learn basic computer skills to increase your productivity and succeed in your teacher preparation program. This is a hands-on introduction to using essential computer programs utilized in teaching and learning. This course will cover operating systems, word processing, e-mail, internet, electronic databases, spreadsheets, and multi-media presentations. Enrollment is limited to candidates admitted to a degree or credential program in the School of Education.

---

**442 Emotional and Behavioral Disorders of Childhood***3 Semester Hours*

Both the organic and functional abnormalities which are causative factors in emotional and behavioral problems from infancy to young adulthood are considered. Emphasis is placed on prevention, diagnosis, and psychotherapeutic methods currently employed. Includes a survey of current relevant research.

---

---

**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.

Prerequisite: EDUC 409.

---

**444 Field Experience With FEP and LEP Students with Exceptional Needs***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.

---

**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.

Prerequisite: Senior class standing.

---

**456 Directed Teaching/Internship with Culturally Linguistically Diverse Students with Learning Handicaps***3-9 Semester Hours*

Actual teaching experience with FEP and LEP students with learning handicaps. Must have completed 12 semester hours in Special Education and be approved by the Coordinator of Special Education the semester prior to enrolling. Credit/No Credit.

Admission by consent of Coordinator.

---

**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.

---

#### **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.

---

#### **484 General Methods Teaching 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.

---

#### **485 Teaching Social Studies in the Secondary Schools**

*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 new California State Framework for grades 6-12.

---

#### **486 Trends in Teaching English in the Secondary Schools**

*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.

---

#### **487 Trends in the Teaching of Secondary Science**

*3 Semester Hours*

This course covers programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to science, and uses of technology; continuous progress curriculum in science; and uses individualized science labs.

---

#### **488 Trends in the Teaching of Secondary Math**

*3 Semester Hours*

This course covers programs, guidelines, and practices in the individualization of instruction with emphasis on culturally and linguistically diverse student needs in relation to mathematics; uses of technology and continuous progress curriculum.

---

#### **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.

---

#### **498 Special Studies**

1-3 Semester Hours

---

#### **499 Independent Studies**

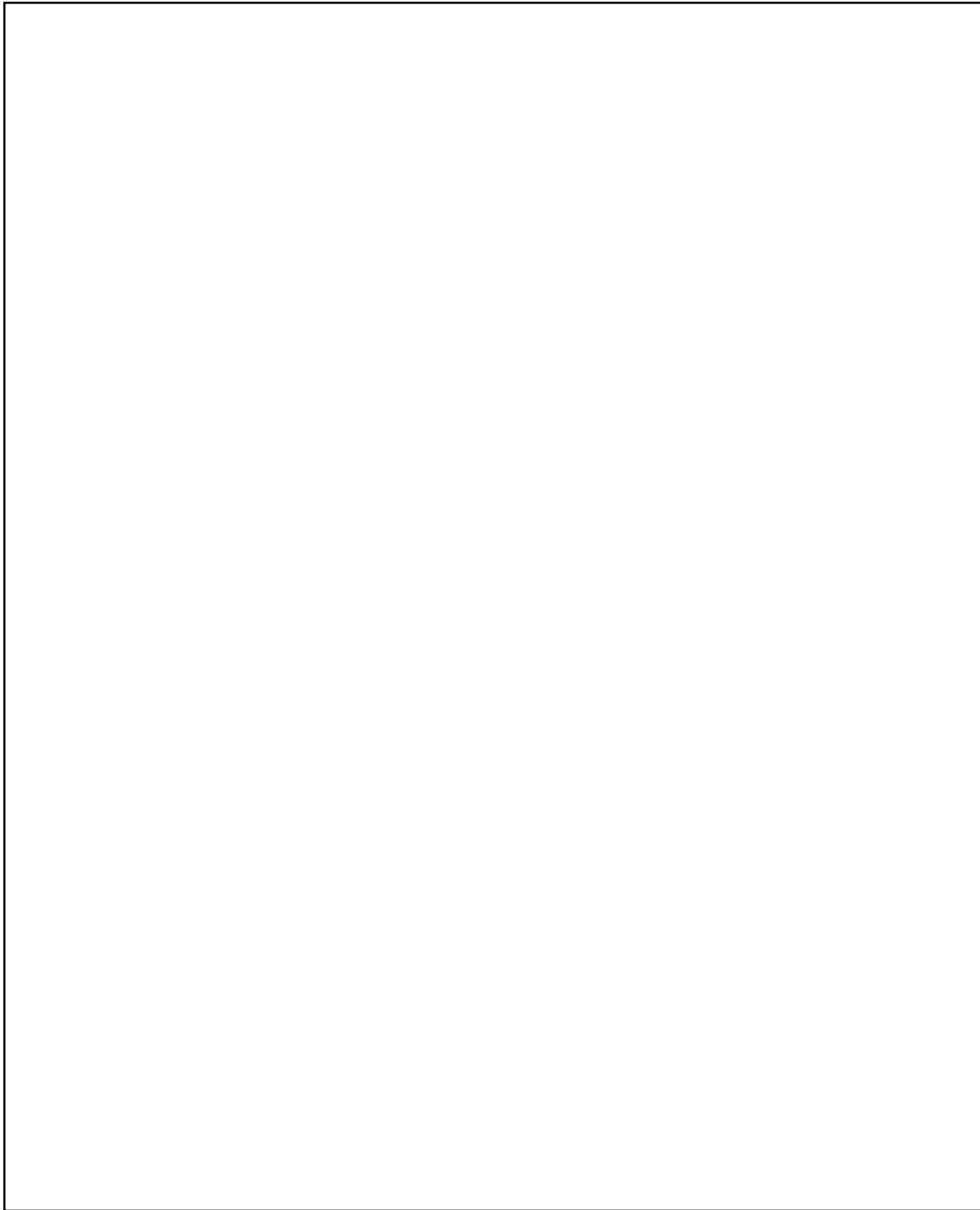
1-3 Semester Hours.





---

# Department of Aerospace Studies



# Aerospace Studies

All University Colleges

## Faculty:

Janet Johnson, Bill Moore, E. Dennis Phelan, Don Rice

## General Military Course:

The first two years of Aerospace Studies (AERO 100, 200) are designated the General Military Course (GMC) for students enrolled in AFROTC. There are no prerequisites for these courses, and all University students may participate. These courses focus on developing individual communications skills, understanding the environment of the Air Force officer, and comprehending the historical development of the United States Air Force in the nation's national security structure. AERO 100 and 200 may be taken concurrently to allow late entry into the program by sophomores or second-semester freshmen.

## Professional Officer Course:

The last two years of AFROTC (AERO 300, 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 the student with a working knowledge of advanced leadership and management theories and applications, as well as an understanding of the United States national security systems and processes. The POC includes academics, interaction with military and national security professionals, and the practice of leadership and management in a large group environment. Students not currently enrolled in AFROTC who desire to enroll as a cadet in the POC should contact the department early in their sophomore year. This does not preclude normal enrollment in the class by students who are not cadets.

## Special Notes:

All courses in Aerospace Studies 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 corps but optional for students taking the academic courses as electives.

Scholarship cadets incur a military obligation upon entry into their sophomore year on the start date of AERO 200.

Non-scholarship cadets do not incur a military obligation until as late as the end of the first semester of the Professional Officer Course. (AS 300)

## Air Force Reserve Officer Training Corps Program

The Air Force ROTC 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 one, two, three, and four year scholarships. Additionally, Loyola Marymount University supplements some Air Force ROTC scholarships which do not cover total tuition. The scholarship recipient must successfully complete one course in English composition and one in mathematical reasoning.

The 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 an Air Force Base 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 \$150 per month, tax free, during the final two years of AFROTC.

An accelerated two year program is also available. It consists of six weeks of field training at an Air Force base and the two year professional officer course. Interested students should contact the Department early in their sophomore year for application procedures.

Loyola Marymount University Aerospace Studies offers students expanded access to management theories and practice, exposure to industry and military leaders, and opportunities to comprehend the world political and security environment. All of this is in a smaller campus environment but includes extensive interaction with students from other local universities and colleges who participate in the program. Besides a commission upon graduation, completed cadets qualify for training as pilots, navigators, space and missile operators, business administrators, engineers, health professionals, and many other management positions.

**100 The Air Force Today 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 fields and opportunities, group leadership experiences, and an introduction to communicative skills.

---

**101 The Air Force Today 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 fields and opportunities, group leadership experiences, and an introduction to communicative skills.

---

**102 Laboratory I***0 Semester Hours*

Students are exposed to leadership experience 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, optional for other students).

---

**103 Laboratory II***0 Semester Hours*

Students are exposed to leadership experience 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, optional for other students).

---

**200 The Air Force Way I***1 Semester Hour*

A study of Air Force history and heritage, discussion of significant Air Force leaders and their contributions, and an introduction to service issues, ethics, and values. Includes an examination of the role of airpower in war. Students make oral and written presentations and participate in group leadership exercises.

---

**201 The Air Force Way II***1 Semester Hour*

A study of Air Force history and heritage, discussion of significant Air Force leaders and their contributions, and an introduction to service issues, ethics, and values. Includes an examination of the role of airpower in war. Students make oral and written presentations and participate in group leadership exercises.

---

**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, optional for other students).

---

**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, optional for other students).

---

**300 Air Force Leadership and Management I***3 Semester Hours*

A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communications skills. Case studies are used to examine Air Force leadership and management situations by demonstrating and exercising practical application of the concept being studied.

---

**301 Air Force Leadership and Management II***3 Semester Hours*

A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communications skills. Case studies are used to examine Air Force leadership and management situations by demonstrating and exercising practical application of the concept being studied.

---

---

**302 Laboratory V***0 Semester Hours*

Students are exposed to leadership experience 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, optional for other students).

---

**303 Laboratory VI***0 Semester Hours*

Students are exposed to leadership experience 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, optional for other students).

---

**400 National Security Forces in Contemporary Society I***3 Semester Hours*

Examines the national security process, regional studies, 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 communications skills continue to be emphasized.

---

**401 National Security Forces in Contemporary Society II***3 Semester Hours*

Examines the national security process, regional studies, 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 communications skills continue to be emphasized.

---

**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, optional for other students).

---

**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, optional for other students).

## Honors Program

All University Colleges

### Director:

James M. Landry

### Objectives:

The Honors core curriculum is predicated on an intensive undergraduate experience which combines three interdisciplinary Honors core courses with an intensive year-long course in writing, critical thinking, and American Cultures. A second year-long sequence in the history of Western Civilization is also a part of the curriculum. Most Honors students are required to take three semesters of a foreign language (or its equivalency)\* and they must take at least one interdisciplinary Honors seminar in their junior year. Seniors are required to write an Honors thesis on a topic within the student's major. In addition, the students will present the results of their research in the Honors seminar program.

Honors students must maintain an average GPA of 3.30. Successful completion of the Honors Program is announced at the annual commencement ceremonies and noted on the student's transcript. This recognition is of lasting personal and academic value.

Interested students should apply to the Honors Director for admission. Full information regarding the program may be obtained from the Director of Honors.

### Program Requirements:

Foreign Language Requirement\*

Proficiency to the level of nine semester hours.

Honors Core Courses

HNRS 102: On Human Dignity  
 HNRS 103: Society and its Discontents  
 HNRS 104: Natural Philosophy\*  
 HNRS 110: The Ancient World to the Renaissance  
 HNRS 200: The Renaissance to the Present Day

College Writing Tutorials I and II

HNRS 100 and 101

Additional core chosen from University offerings:

Arts, critical/creative  
 Philosophy 320 or 330  
 Theology, upper and lower division  
 Social Science

Interdisciplinary Seminar

HNRS 398

Honors Seminar

HNRS 495

Honors Thesis

HNRS 497

\*Students pursuing a B.S. degree in science are exempt from a language requirement and from taking Honors 104. Engineering majors take either Honors 110 or Honors 200 and are exempt from the social science requirement.

### 100 College Writing Tutorial I

3 Semester Hours

A course which teaches students to write clear, logical and grammatical essays, with an emphasis on close and accurate reading and cogent thinking.

Concurrent enrollment in HNRS 102.

### 101 College Writing Tutorial II

3 Semester Hours

A second semester writing course whose focus is critical thinking and advanced expository writing. The essays in this course are based on readings which reflect the political, social and literary diversity of the American cultures in which we live.

### 102 On Human Dignity

3 Semester Hours

An examination of what it means to be human as reflected in and fashioned by significant literary and philosophical works.

### 103 Society and its Discontents

3 Semester Hours

An examination of culture and ideology from the perspective of various philosophies of interpretation and contemporary political theory.

### 104 Natural Philosophy

3 Semester Hours

An examination of the nature of scientific discovery, theory and practice.

---

**110 Foundations of Western Civilization:  
Ancient World to Renaissance***3 Semester Hours*

Survey of Western civilization in the ancient and medieval periods.

---

**200 Foundations of Western Civilization:  
Renaissance to Present Day***3 Semester Hours*

A problem-oriented presentation of the major concepts, ideologies and movements which have dominated the course of modern civilization, and which provide the historical perspective necessary for an understanding of our contemporary global society.

---

**398 Special Studies: Interdisciplinary  
Seminar***1-3 Semester Hours*

An in-depth, interdisciplinary analysis of a particular theme, problem or period. To be taken in junior year.

---

**495 Honors Seminar***3 Semester Hours*

A senior level course taken to help with the writing of the Honors Thesis. In addition, students are required to make an oral presentation of their research project.

---

**497 Honors Thesis***3 Semester Hours*

This independent research course is taken in the senior year and results in the publication of a bound thesis.

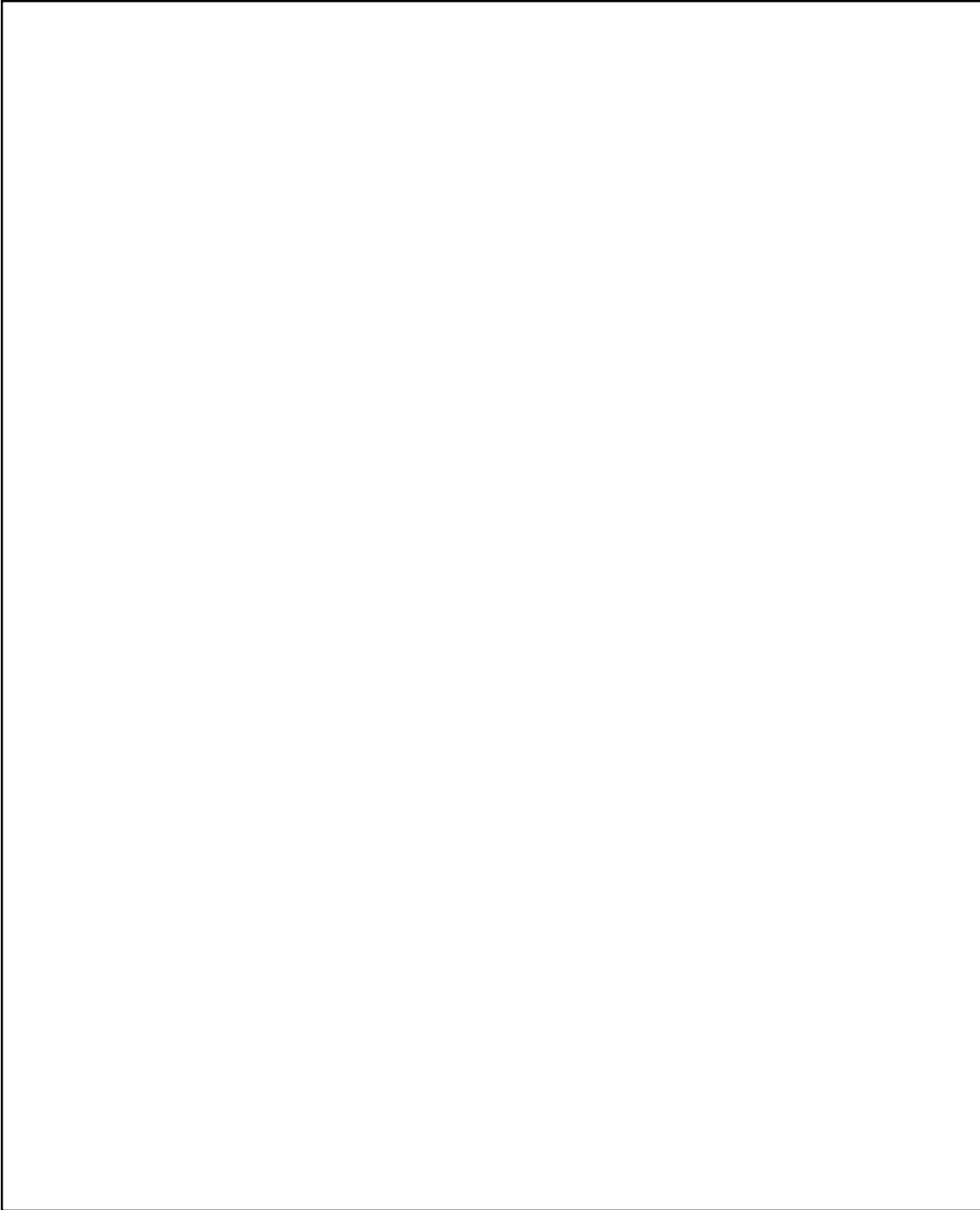
---

**499 Independent Studies***1-3 Semester Hours*

---

---

# Student Affairs





# Student Affairs

The Division of Student Affairs is committed to providing those services and experiences which complement and enhance the educational mission and foster the total development of the student. The office of the Vice President for Student Affairs is the central administrative office for the departments within the Division and is responsible for coordination and supervision within the Division. In addition, the Vice President assures that the student affairs program is supportive of the academic mission and goals of the university.

The Division of Student Affairs holds students as central to the Division's mission and values, which are consistent with the mission, goals, and objectives of the University. The goals of the Division of Student Affairs are:

- To support and enhance the pursuit of academic excellence.
- To provide environments, programs, services, and experiences which promote student growth and development in mind, body, and spirit.
- To facilitate the development of individual students while actively supporting a culturally pluralistic community.
- To support students in their endeavors while challenging them to fulfill their potential.
- To challenge students to think critically and make informed decisions on moral and ethical issues.
- To instill in students the value of service to others.

These goals are implemented through services and programs which are provided by the following areas:

Athletics

Career Development Services

Student Psychological Services

Student Health Services

Judicial Affairs

Student Life

Office of the Vice President

Student Development Services

Student Housing

Student Media

## Student Programs and Services

### Athletics

Loyola Marymount University participates in nine intercollegiate sports for men: basketball, baseball, crew, cross country, golf, soccer, tennis, volleyball, and water polo, and nine intercollegiate sports for women: basketball, crew, cross country, soccer, softball, swimming, tennis, water polo and volleyball. LMU is a member of the National Collegiate Athletic Association Division I and competes in the West Coast Conference.

### Student Housing

Living on the LMU campus provides a unique opportunity for participation in community living. As the physical and social settings of the housing facilities affect intellectual and social development of students, every effort is made to create an environment which reflects the University's educational mission.

Resident Directors are responsible for programs and living environments in the housing facilities under the direction of the Area Coordinators for Residence Life and the Student Housing Administration. A staff of Resident Advisors (RAs), living with the resident students, assists the Resident Directors. This staff is responsible for promoting an atmosphere conducive to cooperation and good scholarship. They provide opportunities for students to become acquainted with each other and involved in campus activities. They encourage students to take full advantage of cultural and intellectual opportunities within the University and in Los Angeles.

LMU is proud of its Resident Chaplains program. Resident Chaplains (RC's) are priests, and sisters, and lay ministers who live in the residence halls and apartments among students. They greatly assist in creating a living Christian community marked by mutual respect and social responsibility. Their primary role is to provide guidance on social, moral, and spiritual issues which students face daily.

### Medical Examination and Insurance

Physical examinations during the student's stay at the University may be required, and on the recommendation of the medical examiner the University may request a student already enrolled to withdraw.

The University requires that all full-time undergraduate

students who are not covered by personal medical insurance **MUST BE** covered by the University's Sickness Insurance Plan. If the student has adequate private sickness insurance, a waiver must be returned to the Controller's Office within the specified time. All students taking seven or more units are automatically covered for accident insurance. Forms for filing insurance claims for the University's Accident and Sickness Insurance Plan may be obtained from the Controller's Office. Claims must be filed within thirty days of disability. Students should be aware of the name of their insurance company and provider numbers. Coverage by the University's Insurance Plan is not a prerequisite for use of the Student Health Center.

## Student Health Services

The Student Health Service assists students in staying healthy by promoting healthy lifestyles and medical care for common health problems. The staff includes a full-time physician, nurse practitioner, registered nurse and x-ray technician.

The University may require immunizations and/or TB testing of incoming students. Students will be notified of the requirements by mail. Failure to fulfill the requirements may result in a hold applied to students registration and not be able to register.

Services offered by the Health Center include: treatment for minor illnesses and injuries, pap smears and pelvics, dermatological care, pregnancy tests, lab work, x-rays, immunizations and prescriptions. An orthopedic clinic is held weekly.

The service is free. There are charges for medication, lab work, x-rays and some medical supplies. You do not need health insurance to use Student Health Services. The Student Health Service does not bill private insurance companies. This is the responsibility of the student. Copies of all charges are available for the SHS.

Occasionally, a student may need to see a specialist. In this case, the student may be referred to a specialist by the SHS or may select her/his own specialist. The student is responsible for transportation and medical costs.

All medical records are covered by the laws of confidentiality of the State of California.

## Counseling Services

University life provides opportunities for students' growth and development, as well as challenges to their well-being. The University Counseling Services, staffed by professional psychologists and counselors, provides confidential personal counseling to facilitate students' personal, social, intellectual, spiritual, and emotional development. Counseling Services offers individual, couple, and group counseling plus workshops and educational programs on topics of interest to students. Services are available free of charge to regularly enrolled students.

## Campus Ministry

Sacred Heart Chapel, which can easily be seen from any vantage point on campus, provides a strong symbol of the University's commitment to Christianity and the Catholic tradition. The Campus Ministry Center, situated in the most active and readily accessible part of the campus, is the location for many encounters with students, chaplains, faculty, staff, and all who choose to participate in the faith life of the University community.

In addition to the large number and variety of daily and weekend Eucharistic Liturgies, Campus Ministry provides a number of weekend retreats off campus; personal and religious counseling or spiritual guidance; and a wide variety of community service programs. Faculty and students serve as Music Ministers, lectors, Eucharistic Ministers and liturgy planners; there are also groups which meet regularly for theological reflection. The community service and justice ministry programs provide learning and practical experiences as well as career opportunities. These experiences are coordinated with the appropriate academic and student affairs departments as well as parishes and organizations off campus.

The Campus Ministry programs are all voluntary and yet are an integral part of the University's life. The Chaplains have a visible and explicit responsibility for leadership, but the faith life and ministry on this campus is accomplished by many groups and individuals.

## Career Development Services

Career Development Services provides students and alumni with the opportunity to develop and enhance essential transferable skills necessary for major and career exploration. Our purpose is to provide guidance and resources that allow exploration of self; foster critical decision-making skills; encourage service to others; provide experience for the development of lifetime goals; and ease the transition from school to the working world. These skills are developed through the following services:

- Career & Graduate School Fairs
- Career Consultant Program
- Career Counseling
- Career Exploration Course
- Career Resource Library
- Educational Placement File
- Federal Work Study Jobs & Other Work Awards
- Internships
- Interest Inventories
- Job Search Assistance
- Mentoring Program
- Mock Interviews
- On-Campus Recruiting
- Part-Time, Seasonal Jobs & Tutoring Network
- Personality Preference Assessment
- Resume Guidance

## Student Development Services

---

Student Development Services (SDS) assists the University in its commitment to support a diverse student body and enhance greater intercultural understanding. Through its five units: Asian Pacific Student Services, Chicano Latino Student Services, Office of Black Student Services, Academic Persistence Program, and Intercultural Affairs; SDS provides a variety of culturally sensitive services and programs. SDS also serves as a resource for the LMU community on issues of racial and ethnic diversity.

### Asian Pacific Student Services

Asian Pacific Student Services (APSS) is a support office that serves the needs of Asian Pacific Islander (API) students and helps educate the campus about API issues and cultures. APSS programs and services include an annual Cultural Welcome, an Asian Pacific Islander Leadership Retreat, Asian Pacific Heritage Month activities, speakers, cultural enrichment programs, student advocacy, support for student groups, educational conferences, and community projects. APSS works closely with the Asian Pacific Islander community both on and off campus.

### Chicano Latino Student Services

Chicano Latino Student Services (CLSS) provides culturally sensitive programs that foster and promote academic and personal success of Latino/Latina students. CLSS programs include "Bienvenida Latina" the Latino Fall Welcome, a Latino Leadership Retreat, Mes de la Raza Cosmica, Dia de Los Muertos, the Virgen de Guadalupe Celebration, Posadas, Dia de Reconocimiento, speakers, and educational programs. CLSS also offers student advocacy, personal support, assistance for Latino student groups, and involvement with Latino community projects.

### Office of Black Student Services

The Office of Black Student Services (OBSS) works to promote a positive campus environment that supports the academic and personal success of African American students. OBSS programs and services include an annual Fall Welcome, Black Student Leadership Retreat, the Kente Program, Black History Month activities, speakers, cultural enrichment programs, community activities, support for student groups, student advocacy, and personal support. OBSS also strives to build close ties with the local African American community.

### Academic Persistence Program

The Academic Persistence Program (APP) is a student-based program that provides peer counseling and personal support for incoming students of color. As a voluntary program, APP counselors work with new students to help them during

their first year at LMU. Counselors answer questions, orient students to campus resources, and introduce them to student activities. Working as peers, APP counselors provide personal attention that helps new students maximize their college experience, intellectually, culturally, and socially. APP also has a confidentiality policy that assures that all information is kept private.

In addition, APP provides a variety of services and programs that include a Fall Orientation, Study Skills workshops, Leadership Training, study groups, academic assistance, personal support, referrals, and social activities.

### Intercultural Affairs

Intercultural Affairs works with students, staff, and faculty to create a learning environment that encourages greater awareness, understanding, and interaction among diverse groups. Its mission is to empower all members of the campus community as agents of social change committed to a vision of justice.

Intercultural Affairs sponsors an Intercultural House and offers programs that include Spring Festival, an Intercultural Retreat, Intercultural Leadership Training, speakers, educational forums, and intercultural conversations.

## Student Life

---

The Department of Student Life strives to enrich the learning process for students seeking growth outside the classroom. The staff works with ASLMU, all co-curricular clubs and organizations, Commuter Students, the Greek Community, Intramural Recreation, Service Organizations, the International Community and Special Programs such as the Student Managers and Student Workers. The Department of Student Life offers assistance with programming and planning of events and special projects, as well as assistance and support in the formation of new organizations. The Department also provides advocacy and support to students throughout their academic career.

### Campus Recreation

The state of the art Burns Recreation Center houses the Department of Campus Recreation. The department continually strives to meet the recreational needs of the LMU community.

The Burns Recreation Center is comprised of a 7,000 square foot weight room containing free weights, individual weight machines, treadmills, lifecycles, stairmasters, and elliptical machines. The Main Gym accommodates two courts of basketball or volleyball, while the upstairs gym is a single court used for recreation or special events. Two multipurpose rooms are located upstairs and will provide space for aerobics, kickboxing, yoga, table tennis and more. A new outdoor 50-meter pool is located steps from the men's and women's locker rooms. The conveniently located juice bar provides for a refreshing stop following a workout.

Intramural Sports provides a wide range of structured sports and activities such as Flag football, Volleyball, Soccer Basketball, Floor Hockey and more. The Intramural Sports philosophy is "play for fun" and everyone is welcome to participate regardless of ability.

Fitness and Wellness Classes are available throughout the year. These programs allow individuals to drop in for an aerobics class, learn self defense in a kick boxing class, or stretch and relax with a yoga session. Nutritional seminars, weight training clinics, and advice from Personal Trainers are also available.

The Aquatics program provides a variety of opportunities including swimming laps, water aerobics and exercise, and a learn-to-swim program. Whether looking to improve your technique or just to swim some laps the new 50-meter pool is the place to be.

The Club Sports program offers LMU students the chance to compete against club teams from other universities. Competitive Club Sport opportunities currently exist for Rugby, Men's Lacrosse, and Women's Lacrosse. Recreational clubs exist for Surfing and Karate.

Campus Recreation is the place to come for all of your recreational needs.

## **The Center for Community Service and Action**

Being men and women for and with others is part of the LMU tradition. Some of students' most memorable experiences happen while engaged in community service. The Center connects students, clubs and student organizations with non-profit agencies in the Greater Los Angeles area. The six service organizations work closely with the Center. Each year the CCS program recognizes the six most outstanding LMU undergraduate students who have excelled in their community service as documented through the CCS program. The CCS Advisory Board, with representatives from the faculty, staff, student body, and non-profit organizations, selects the six recipients of the Riordan Community Service Awards. Each recipient receives a \$1000 cash award.

## **Office for International Students and Scholars**

The Office for International Students and Scholars (OISS) promotes the general interest of international education, mutual understanding and cultural exchange through the administration of international services, programs and opportunities for greater collaboration among the international and domestic populations.

The OISS provides vital immigration assistance to international students and faculty, both at the Westchester Campus and Loyola Law School in matters related to the maintenance of their non-immigrant status under LMU's

international programs, in compliance with the regulations of the U.S. Department of Justice/Immigration and Naturalization Service (INS) and the U.S. Department of State.

Moreover, the OISS acts as a resource for international concerns to the University Community through its contacts with embassies or consulates and other international and U.S. government agencies.

## **Student Activities**

### **Associated Students of Loyola Marymount University (ASLMU)**

All regularly enrolled full-time undergraduate students are automatically members of the Associated Students of Loyola Marymount University. ASLMU, through the Student Senate and Executive Cabinet, is the voice of the student body, speaking for students on issues such as allocation of funds for campus organizations, academic concerns, personnel matters, and other areas affecting student life. In addition to planning on-campus activities, such as speakers, concerts, movies, and dances, ASLMU also initiates service programs in the community. Services offered by ASLMU are supported by the student fee.

### **Campus Activities Portfolio (CAP)**

The Campus Activities Portfolio involves taking a preliminary leadership style inventory to help the student identify a personal course of action with regard to selecting activities and leadership positions. An intern-based program allows students to record their activities and involvement in a portfolio database. Using a personal access number, students may update their activity portfolio at any time. Portfolios are printed by students at their convenience and may be used to prepare for internship and job interviews and as a means of documenting and clarifying the skills developed through involvement in out-of-class activities.

### **Magis Leadership Preparation Program**

The leadership program encourages students to work toward mutual goals involving awareness and empowerment of the needs of individuals, groups and society. Each year, the program centers on a theme to guide the participants and encourage the student of influence in the context of a pressing social issue.

## **Student Organizations**

As a student centered, Catholic university, Loyola Marymount University recognizes the importance of clubs, programs and services in fostering the educational mission of the University and offers a wide variety of each appealing to the needs of the student body. There are department and professional clubs. Their primary objective is to further

---

interest in academic and professional fields. In addition, LMU registers a number of honorary and social clubs. Membership in the honorary societies is by invitation and is based upon scholastic achievement according to the requirements of individual societies. Social clubs are designed to provide the student body with a variety of activities designed to complement the academic mission of the University. Some of these activities include philanthropic, cultural, social and educational programs.

The following is a list of registered student clubs on campus. Note: The views or positions of any registered club does not necessarily reflect the position of Loyola Marymount University.

## Academic

- Accounting Society
- American Advertising Federation
- American Society of Civil Engineers (ASCE)
- Animation Workshop
- Black Student Business Association
- Communication Studies Society
- Delta Sigma Pi
- Economics Society
- Epsilon Delta (Biology Honors Society)
- Finance Society
- French Club
- Future Corporate Leaders
- History Society
- Information Systems Association
- Institute of Electric and Electronic Engineers
- Latino Business Student Association
- Latino Pre-Legal Society
- Marketing Association
- Mathematics Society
- National Society of Black Engineers
- Phi Alpha Theta
- Philosophy Society
- Political Science Association
- Pre-Law Society of LMU
- Psi Chi
- Psychology Society
- Sigma Tau Delta
- Society of Automotive Engineers
- Society of Hispanic Professional Engineers
- Society of Pre-Physical & Occupational Therapists
- Sociology Society
- Spanish Club

## Cultural

- Asian American & Pacific Islander Sisterhood
- Black Student Union
- Brothers of Consciousness
- Classics Society
- Del Rey Players
- El Espejo
- Han Tao

- International Student Organization
- Isang Bansa
- Kyodai
- Movimiento Estudiantil Chicana/Chicano de Aztlan (MEChA)
- Mumeres Unidas
- Na Kolea-Hawaiian Club
- Sistah Friends
- Vietnamese Student Association

## Greek

- Alpha Delta Gamma
- Alpha Phi
- Delta Gamma
- Delta Sigma Theta
- Delta Zeta
- Kappa Alpha Theta
- Lambda Chi Alpha
- Sigma Chi
- Sigma Lambda Beta
- Sigma Lambda Gamma
- Sigma Phi Epsilon
- Greek Council
- Order of Omega

## Service

- Belles
- Crimson Circle
- Damus Nostrum
- Emergency Medical Services
- Gryphon Circle
- Ignations
- Service Program Coordinating Council
- Special Games
- Spirit of Love
- Sursum Corda

## Social

- Association of Gay and Lesbian Awareness
- Buddha's Bathtub
- Buffy the Vampire Slayer Club
- Lion Pride
- Pulse, Heartbeat and Rhythm of LMU
- Resident Housing Association
- Sankofa Society
- Student Music Society
- University Chorus Association

## Political/Social Justice

- College Democrats of LMU
- Lawful Leaders
- LMU Republicans
- Sierra Club
- Student Advocates for Bilingual Education
- Student for AIDS Awareness
- Students for Life

## Spiritual

Campus Christian Fellowship  
Righteousness for Christian Fellowship

## Sports

Men's Lacrosse  
Men's Swimming  
Rowing Association  
Rugby Club  
Surf Club  
Women's Lacrosse

The University programs and services have varying membership requirements and offer an opportunity to become involved in a variety of activities geared to foster a sense of deeper understanding of people of all colors, creeds and national origins.

The following is a list of University Programs and Services on campus.

Resident Housing Association

Student Manager Program

The Bird Nest  
Hannon Loft  
Lion's Den  
Intramural Sports  
McKay Recreation Center  
St. Robert's Auditorium  
Recreational Sports

Student Media and Performing Arts Program

Del Rey Players  
KXLU-FM  
KLMU-AM  
Los Angeles Loyolan  
Tower Yearbook

Student Worker Program

University Service Program

Special Games

## Campus Media

---

### The Los Angeles Loyolan

The Los Angeles Loyolan, written and edited by students, is the official weekly newspaper of LMU. The Loyolan provides a forum for discussion of higher education and serves as an information source for the campus community. It affords students an opportunity for gaining practical journalism experience and provides them with a method for improving campus awareness.

## KXLU

KXLU Radio serves the Loyola Marymount campus and a large portion of the Los Angeles area with alternative, contemporary and classical/fine arts programming.

KXLU-FM operates at a frequency of 88.9 MHz. The station, broadcasting in stereo, operates 24 hours a day, 365 days a year. KXLU-FM serves the varied needs of the community through a combination of musical programming. At the same time the station strives to present informative and meaningful discussions and interviews.

KLMU-AM operates at a frequency of 840 KHz. The station, exclusively serving the LMU community, operates from 7 a.m. until 1 a.m.

## The Tower Yearbook

The Tower Yearbook, a student-run organization, is the official yearbook for the University. Students are responsible for all aspects of production. The Tower Yearbook strives to include all dimensions of the University community including faculty, staff, students, graduating seniors, sports, clubs and organizations, and activities.

## El Playano

The University literary magazine is known as *El Playano*. It affords a medium of literary expression for all departments and divisions of the University. It primarily features fiction and verse and is illustrated by student artists.

## Vistas

Vistas is produced by the University Public Relations Office for alumni and friends of the University. The magazine is published quarterly and features news, activities, events, and issues of significance to the Loyola Marymount community.

## President's Report

This annual report highlights activities and accomplishments of the past year.

## University Organizations

---

### Alumni Association

The Alumni Association is composed of graduates and former students of St. Vincent's College, Loyola University of Los Angeles, Marymount College, and Loyola Marymount University. The goals of this association are to promote and foster a spirit of fellowship and service among the alumni, assist in the continued growth of Loyola Marymount University through service and the raising of funds, encourage and assist students in career development, and to direct public attention to the advantages of Loyola

Marymount University, its accomplishments and its contributions to the betterment of the community.

## **Loyola Marymount University Parents Association**

The LMU Parents Association is an informal organization of all LMU parents. Under the leadership of the Parents Advisory Board, the Association seeks to broaden an understanding of the educational philosophy and goals of the University, act as a liaison between the administration and parents to ensure the exchange of ideas and mutual concerns and to respond to the needs of the University.

## **Pride of Lions**

The PRIDE OF LIONS is the athletic support group created to assist the seventeen men's and women's intercollegiate teams sponsored by Loyola Marymount University.

The goals of the PRIDE OF LIONS are to continue the University's rich athletic tradition and provide the much-needed financial support necessary to compete at the NCAA Division I level. Membership is available to students, faculty, staff, alumni, parents and friends. Privileges include invitations to special events, subscription to the PRIDE OF LIONS newsletter and the opportunity to purchase priority seating for home Lions games. For additional information, please call the Athletic Development Office at (310) 338-4513.

## **Policies and Procedures**

---

### **Standards of Conduct**

Loyola Marymount University endeavors to facilitate each student's personal development and to foster self awareness. LMU endeavors to provide experiences which will increase students' knowledge of both their potential and responsibilities; allow students the qualitative satisfaction which results from working with others in a cooperative manner; and facilitate an understanding that the implications of their actions are the essence of intelligent moral decision making. This approach is in harmony with our goals as a Christian and Catholic institution.

These concepts are basic in the development of a student conduct code that aims to assist students in becoming aware of their responsibilities, rights, and obligations. It is understood that members of the University community will conduct themselves in a manner compatible with the educational and Catholic nature of the University. This demands demonstrating respect not only for the teaching, research and administrative functions of the University but also exhibiting a respect and genuine concern for the health, safety and rights of members of the University community and our visitors.

In the event that respect is lacking or obligations toward the University community are not met, the Code outlines procedures for hearings as well as appeals. These procedures ensure student rights are acknowledged and equity is maintained.

All LMU students are members of both the academic community of scholars and the social community of their fellow students. The Dean and faculty of a particular college have authority regarding all academic disciplinary matters. The Vice President of Student Affairs and designated administrators and judicial boards have full authority in all non-academic disciplinary matters.

The Student Code of Conduct is published in the LMU Student Handbook. All students are responsible for the contents of the Student Handbook which is available in the Office of the Vice President for Student Affairs.

### **Use of University Property**

No person may use University property in a manner, or for a purpose, or under circumstances forbidden by any applicable public law, ordinance, regulation or order, or tending to interfere materially with the efficient and orderly conduct of any University business or function.

In line with this directive, any person or persons, whether students or non-students, registered student organization or other student groups, shall be required to obtain a permit from the Office of the Vice President of Student Affairs prior to any proposed march, demonstration, public meeting, etc.

### **Motor Vehicles**

All motor vehicles used on campus must be registered. Registration is established during University registration at the opening of each term. The registered owner is responsible for displaying the University parking decal, affixed at the time of vehicle registration.

### **Legal Responsibility of the University**

The University endeavors to safeguard students in the use of physical facilities, laboratories, athletic fields and gymnasium, and to this end regulations concerning the use of such facilities have been established, but it is clearly understood that students who use the same do so entirely at their own risk. The University has no legal responsibility for injuries or other damages suffered by students on or off the campus, or in travel to and from school-related activities or for any expense in connection therewith.

# University Facilities

## Academic

A complex of four buildings, the Burns Fine Arts Center was opened in 1984. In Hogan Hall and Lemon Hall are housed the primary studios of the Dance Program, studios and classrooms utilized by the Department of Art and Art History, the Department of Music rehearsal rooms and classrooms, as well as the offices of faculty dedicated to the various Fine Arts disciplines. The two additional buildings located here are the Laband Art Gallery and Murphy Recital Hall.

The Jerome and Elvira Doolan Building, built in 1986, houses the Computer Science faculty and classrooms.

Foley Building, constructed in 1962, houses the Charles H. Strub Memorial Theatre, faculty offices, seminar rooms, and computer labs.

The Hilton Center for Business opened in the fall of 1995. It houses classrooms, meeting rooms, lecture halls, faculty offices, information services and a 350-seat auditorium in a spacious, technologically advanced facility.

The Frank R. Seaver Hall of Science, erected in 1962, houses the departments of Biology, Chemistry and Biochemistry and Physics and Engineering Physics. In addition to 22 undergraduate and research laboratories, the building contains faculty offices, seminar rooms, classrooms and a computer lab.

St. Robert's Hall, erected in 1929, houses classrooms, the offices of the Dean of Communication and Fine Arts and the Office of the Registrar. Adjacent to St. Robert's Hall is the University Auditorium.

The Charles Von der Ahe Library, named for its principal donor, was constructed in 1959 and doubled in size in 1977.

Wil and Mary Jane Von der Ahe Communication Arts Building, completed in 1971, houses the Louis B. Mayer Motion Picture Theatre, Communications faculty offices, film classrooms, conference room, color television studios, and motion picture sound stage.

North Hall and South Hall, located on the east side of the campus, house the Little Theatre, classrooms, and faculty offices.

West Hall was erected in 1968 at the time of the Loyola Marymount affiliation. This structure houses classrooms.

## Administrative

The Harry & Kathleen Daum Hall, on the east side of campus, was erected in 1998 and houses University Relations, Human

Resources and Continuing Education/Summer Session. University Relations is comprised of Public Relations, Alumni, Fund Raising, Estate Planning, and Publications.

The Distribution Center, home to the mailroom and shipping and receiving was constructed circa 1995 and is located at the east end of the Westchester campus.

Malone Memorial Student Center, named in honor of the late Father Lorenzo M. Malone, S.J., former Vice President of the University, was completed in August, 1958. Renovation and expansion of the Center was completed in August 1996. Located in the Center are the Vice President for Student Affairs, Student Housing, Department of Student Life, Associated Student offices, Campus Ministry Center, faculty and student dining rooms, Student Health Center, Career and Development Planning, Campus Bookstore, EPIC Office, Student Development Services, Molly Malone's and conference rooms.

University Hall, opened in 2000, houses University Administration, classrooms, faculty administration, an auditorium, dining facilities and graphics center.

Xavier Hall, one of the first buildings constructed on this campus in the 1920's, is home to the Office of Financial Aid, Undergraduate Admissions, Graduate Admissions, and the Associate Vice President for Academic Affairs.

## Residence Halls

Desmond Hall, erected in 1958, was named in honor of the Desmond family of Los Angeles, generous benefactors of the University. This residence hall accommodates women.

Doheny Hall was completed in 1986 and houses 120 women.

Hannon Apartments, erected in 1978, were named in honor of Eugenie B. Hannon. They house 282 upperclass students, and include the Hannon Recreation Center.

Huesman, erected in 1947, houses men and has a chapel.

The Jesuit Community Residence, built in 1999, accommodates the members of the Society of Jesus.

The Dorothy and Thomas E. Leavey Center, erected in 1968, is a women's residence hall.

Loyola Apartments, completed in October 1971, accommodate 227 men and women in 60 units on campus. Adjacent to the apartments is a central recreational facility with a swimming pool.

McCarthy Hall, erected 1996, was the first residence hall built on the Leavey Campus. It accommodates 247 men and



women. Named in honor of J. Thomas McCarthy, philanthropist and generous benefactor of the University.

McKay Hall, erected in 1968, accommodates men and women and contains a snack bar and recreational area. It has been named for Sister M. Raymunde McKay, R.S.H.M., former President of Marymount College.

O'Malley Student Apartments, completed in summer 2000, accommodates 164 men and women. It has been named in honor of former LMU president Fr. Thomas P. O'Malley, S.J.

Rains Hall, on the Leavey Campus, was built in 1997. Named in honor of Lilore Green Rains, a philanthropist and generous benefactor of the University, this building houses 300 men and women.

Rosecrans Hall, erected in 1962, was named in honor of William S. Rosecrans, for many years Chairman of the Board of Regents and a generous benefactor of the University. This residence hall accommodates men.

Sullivan, erected in 1947, houses women.

Tenderich Apartments, completed January 1971, accommodates 143 men and women in 39 units on campus.

Whelan Hall was completed in the summer of 1965. It has been named for the Reverend Edward J. Whelan, S.J., President of Loyola University from 1942 to 1949. Whelan Hall accommodates men and women.

## The Chapel

The Chapel of the Sacred Heart was completed in 1953. It has a seating capacity of 1,000. The tower of the Chapel, donated by the Board of Regents, has become a landmark of the campus.

## Athletic Facilities

The Burns Recreation Center, completed in August 2000, holds a fitness center, multipurpose center, concession stand, two gyms and the recreation offices.

The Albert Gersten Athletic Pavilion, dedicated in early 1982, expands the University's existing facilities to accommodate the intercollegiate athletic program, support facilities, Founder's Room, and Weight Room.

On Sullivan Field, adjacent to the Pavilion, are located other athletic facilities of the University. These include the swimming pool, tennis courts, Page Baseball Stadium and soccer facilities.

## Student Managed Social and Recreation Facilities

The Bird Nest, adjacent to Loyola apartments, offers a beautiful view of Marina del Rey, Santa Monica and the Pacific Ocean. The Bird Nest sponsors and hosts a wide variety of events for the entertainment pleasure of the student body.

Hannon Loft, located in the heart of the Hannon Apartments, Tenderich and McKay residence halls, provides the southern campus with an informal, comfortable, location to host a variety of events. The Hannon Loft was built in 1978 and renovated in 1994.

Within the Father Lorenzo Malone, S.J., building is Molley Malone's. This recreation area provides all members of the LMU Community with a place to break the monotony of every day life with refreshing drinks, snacks, pool and gatherings. The Corner Pocket is open 6 days a week and late nights.

The McKay Recreation Center has much to offer the students of LMU. The snack bar has a great menu of snacks and drinks, a 15 video game arcade and a comfortable lounge to study, relax and socialize.

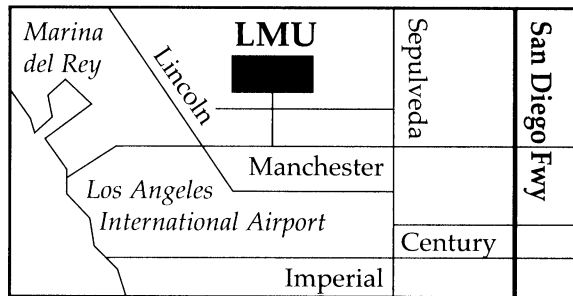
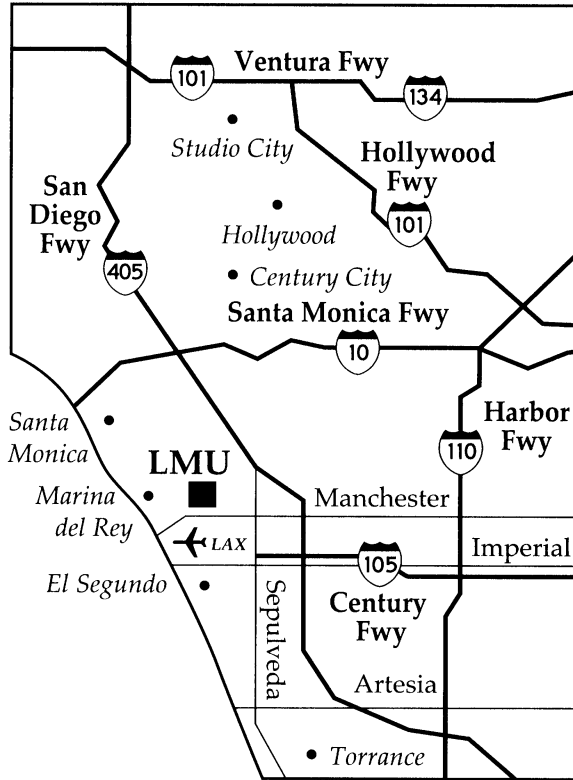
Adjacent to St. Robert's Hall is St. Robert's Auditorium which plays host to hundreds of events and programs from educational conferences, and panel discussions to dances, speakers, and concerts. The auditorium can accommodate up to 350 people.

## The School of Law

Established in 1920, the School of Law is one of the oldest law schools in Southern California. The Law School campus is located in downtown Los Angeles. Expansion of the Law School facilities began in 1980 under the direction of internationally acclaimed architect, Frank O. Gehry. The completed campus includes the library, academic center, three lecture buildings, and the chapel.



**General Location**



**Location Detail**

**The Campus**

(see fold out - inside back cover)

---

---

---

# University Administration

--

---

# Trustees of the University

R. Chad Dreier, *Chairperson*

Robert J. Emmons, Ph.D., *Vice Chairperson*

Avedick B. Poladian, *Vice Chairperson*

Robert V. Caro, S.J., *Secretary*

## Trustees Emeriti

Richard A. Archer, L.H.D.

Margaret F. Jagels

Raymunde McKay, R.S.H.M., Litt. D.

Roland Seidler, Jr.

Paul Bernadicou, S.J.

Peter B. Caloyeras

Larry R. Carter

Alex Chaves, Sr.

John F. Cosgrove

Robert Forgnone, Esq.

John F. Grundhofer

William E. Hickman

Ellen Jordan, C.S.J.

Thomas E. Larkin, Jr.

Robert B. Lawton, S.J., *ex officio*

Fiorenza Courtright Lucas

Kathleen L. McCarthy, L.H.D.

John A. McMahon

Paul W. Mikos

Mary E. Milligan, R.S.H.M.

John F. O'Reilly, Esq.

John J. Piderit, S.J.

Edward P. Roski, Jr.

Dorothy Babbitt Shea

Clarence L. Shields, Jr., M.D.

Stephen V. Sundborg, S.J.

Joan Treacy, R.S.H.M.

Jeffrey P. von Arx, S.J.

Thomas R. Von der Ahe, Sr.

Christopher C. Wrather, Ph.D.

---

# Regents of the University

Hon. Richard D. Aldrich, *Chairperson*

Robert M. Abell

Kathleen Aikenhead

Michael Bidart, Esq.

Hon. Irma Brown Dillon

Ernest M. Camacho

Barbara S. Casey

Louis J. Cassani

Stanley H. Chambers

Peter Cheung

Anthony S. Delfino

Myles P. Dempsey

Joseph C. Dunn

George A.V. Dunning

William D. Gould, Esq.

Adrienne A. Hall

David E. Hammers, Ph.D.

Carmel R. Hill

John G. Hitchcock, Jr., Esq.

Noel Irwin-Hentschel

George Kadonada

Robert D. Kerslake

John A. Kilduff

Hae-Soo Choi Kim

Walter J. Lack, Esq.

Robert B. Lawton, S.J., *ex officio*

Jose de Jesus Legaspi

Alfred A. Marasca

Paul L. Martin, Jr.

Suzanne Mayer

Grover L. McKean

Adrienne Medawar

Edison K. Miyawaki, M.D.

Francis S. Montgomery II

Jerry J. Mook

Katherine Wilson Moret

Kevin K. Moriarty

Dominic Ng

Ronald A. Okum

Stephen F. Page

George L. Pla

Timothy G. Psomas

Hon. J. Steven Rhodes

Michael A. Ricci

Mario A. Roberti, Ph.D.

Joseph P. Sanford

Patricia Schnegg, Esq.

Shawn Sedaghat

Edward F. Slattery

Michael J. Smith

Michael R. Steed

Msgr. Royale M. Vadakin

Thomas J. Viola, Esq.

## Regents Emeriti

Lucien L. Escallier

George R. Hearst, Jr.

Melvin R. Hebert

John E. Meehan

John J. Real, Esq.

Robert A. Smith, Sr.

Leonard Weil

---

# Administration

## President and Staff

Robert B. Lawton, S.J.	University President
Donald P. Merrifield, S.J.	Chancellor
Patrick J. Cahalan, S.J.	Associate Chancellor
Elena M. Bove	Vice President for Student Affairs
Joseph G. Jabbra	Academic Vice President
John R. Oester	Vice President for Business and Finance and Treasurer
Charles J. Rasberry	Vice President for University Relations
David G. Trump	Vice President for Facilities Management
David Burcham	Dean, Loyola Law School
Maureen Cassidy	Director of Internal Audit
Fernando Moreno	Director of Campus Ministry
Richard A. Robin, S.J.	Assistant to the President
Gregory Tanaka	Assistant to the President for Faculty Resources

## Academic Affairs

Joseph G. Jabbra	Academic Vice President
Joseph A. Merante	Associate Vice President for Academic Affairs
Birute A. Vileisis	Associate Academic Vice President and Director of Academic Grants
Robert Kopecky	Assistant Academic Vice President, Continuing Education, Summer Session and Special Programs

### *Bellarmino College of Liberal Arts*

Kenyon S. Chan	Dean
Ricardo A. Machón	Associate Dean

### *College of Communication and Fine Arts*

Thomas Kelly	Dean
Suzanne Frentz	Associate Dean

### *College of Business Administration*

John T. Wholihan	Dean
George L. Hess	Associate Dean, Undergraduate
Rachelle Katz	Associate Dean, Graduate

### *College of Science and Engineering*

Gerald S. Jakubowski	Dean
William T. Calder	Associate Dean
Stephen H. Scheck	Associate Dean

### *School of Education*

Albert P. Koppes, O. Carm.	Dean
----------------------------	------

---

*Undergraduate Admissions*

Matthew X. Fissinger Director, Undergraduate Admissions  
Dale T. Marini Associate Director, Undergraduate Admissions  
Lisa P. Farland Associate Director, Undergraduate Admissions

*Graduate Admissions*

Chaké Kouyoumjian Director, Graduate Admissions

*Financial Aid*

Donna Palmer Director  
Darlene Wilson Associate Director

*Institutional Research*

Brian N. Hu Director

*Learning Resource Center*

Marcia Albert Director

*Registration and Records*

Rosenia M. St. Onge University Registrar  
Kathy Reed Associate University Registrar

*Von der Ahe Library*

Edward G. Evans University Librarian

**Student Affairs**

Elena M. Bove Vice President for Student Affairs  
Barbara J. Avery Dean of Students  
Elizabeth A. Stoddard Dean of Student Services  
Patrick J. Naessens Assistant to the Vice President  
and University Judicial Officer  
William Husak Athletics Director  
Marshall Saucedo Assistant Dean, Student Development Services  
Richard T. Rocheleau Director, Student Housing  
Debra Wilson Director, Health Services  
J. Michael Doyle Director, Student Counseling  
Maureen Beck Director, Career Development & Placement Services  
Sandrell Doerr Director, Office for International Students and Scholars  
Jade Smith Director, Office of Black Student Services

**Business and Finance**

John R. Oester Vice President for Business and Finance and Treasurer  
Mary Ann Dase Assistant Vice President for Information Services  
Daniel Forgeron Assistant Vice President for Business Affairs  
Thomas O. Fleming, Jr. University Controller  
Raymond Dennis Bursar  
Frank Montalvo Assistant Vice President for Human Resources  
Kimberly Marziani Associate Director of Human Resources  
Roland P. DeAngelo Director of Conferences and Scheduling  
Doreen Maddix Assistant Director of Conference and Scheduling  
Blanche Bettinger Director of Purchasing

---



---

## Facilities Management

David G. Trump	Vice President for Facilities Management
Ray Hilyar	Director of Public Safety
Linda Lang	Director of Facilities Planning and Administration
David B. Littell	Director of Operations and Maintenance

## University Relations

Charles J. Rasberry	Vice President for University Relations
Michael Yoest	Acting Director of Alumni Relations
Margaret Mary Dolan, R.S.H.M.	Alumni Chaplain
Norm Schneider	Acting Director of Public Relations
Melany Duval	Acting Director of Development

## Campus Ministry

Fernando Moreno	Director of Campus Ministry
John Flaherty	Director of Liturgy
Fernando Arizti, S.J.	Campus Minister
Diane Bischetti	Campus Minister
John Boyle, S.J.	Campus Minister
Tri Dinh, S.J.	Campus Minister
Rabbi Arthur Gross-Schaefer	Campus Minister
Thomas P. Higgins, S.J.	Campus Minister
Cecilia Magladry, C.S.J.	Campus Minister
Carol Quinlivan, C.S.J.	Campus Minister

## School of Law

David Burcham	Dean
Victor J. Gold	Associate Dean of Academic Affairs
Michiko M. Yamamoto	Associate Dean of Student Affairs
Robert Bride	Associate Dean of Business Affairs
Carol Ross-Burnett	Assistant Dean of Career Services
Christian W. Butzen	Registrar
Maureen Hessler	Director of Financial Aid
John B. Hoyt	Executive Director of Student Financial and Information Services
James Kieley	Chief Technology Officer
Anton Mack	Assistant Dean of Admissions
Robert Nissenbaum	Director, Law School Library
Ken Ott	Assistant Dean for Development
Karen Parks	Director of Alumni Relations and Annual Giving
Robert W. Scholla, S.J.	Director of Campus Ministry

---

---

# University Faculty

--

# University Faculty

## **JENNIFER S. ABE-KIM (1994)**

*Assistant Professor of Psychology*

B.A., Wheaton College, 1985;  
M.A., U.C. Los Angeles, 1987;  
Ph.D., U.C. Los Angeles, 1992.

## **LEV ABOLNIKOV (1981)**

*Professor of Mathematics*

M.S., Leningrad University, 1961;  
Ph.D., Leningrad University, 1970.

## **DOLPHY ABRAHAM (1993)**

*Assistant Professor of Computer Information Systems*

B.Com., Bangalore University, 1986;  
M.B.A., Syracuse University, 1988;  
Ph.D., University of Pittsburgh, 1993.

## **REBECA ACEVEDO (1996)**

*Assistant Professor of Modern Languages*

B.A., University of Guadalajara, 1984;  
M.A., U.C. Los Angeles, 1991;  
Ph.D., University of Michigan, 1996.

## **BOB G. ACKLEY (1968)**

*Professor of Theatre Arts*

B.A., Texas Western, 1958;  
M.S., Purdue University, 1960;  
Ph.D., University of Southern California, 1973.

## **NAJWA AL-QATTAN (1998)**

*Assistant Professor of History*

B.A., American University in Beirut, Lebanon, 1977;  
M.A., Georgetown University, 1979;  
M.A., Harvard University, 1984;  
Ph.D., Harvard University, 1996.

## **ERIKA ANDERSEN (1995)**

*Assistant Professor of Communication Arts*

B.A., U.C. Berkeley, 1983;  
M.F.A., University of Southern California, 1994.

## **CARA ANZILOTTI (1996)**

*Assistant Professor of History*

B.A., U.C. Davis, 1978;  
M.A., California State University, Long Beach, 1987;  
Ph.D., U.C. Santa Barbara, 1994.

## **STEPHANIE AUGUST (1999)**

*Assistant Professor of Computer Science  
and Director of the Graduate Program in  
Electrical Engineering and Computer Science*

B.A., U.C. Los Angeles, 1972;  
M.S., U.C. Los Angeles, 1985;  
Ph.D., U.C. Los Angeles, 1991.

## **JOSE IGNACIO BADENES, S.J. (1997)**

*Assistant Professor of Modern Languages*

B.S., Georgetown University, 1980;  
M.A., University of North Carolina, Chapel Hill, 1986;  
M.Div., Jesuit School of Theology, Berkeley, 1992;  
Th.M., Jesuit School of Theology, Berkeley, 1993;  
Ph.D., U.C. Santa Barbara, 1996.

## **MARTA BALTODANO (2000)**

*Assistant Professor of Education*

J.D., Universidad Centro Americana, 1980;  
B.S., Universidad Centro Americana, 1985;  
M.A., U.C. Los Angeles, 1993;  
Ph.D., Claremont Graduate University, 1998.

## **LINDA BANNISTER (1983)**

*Professor of English and Chairperson of the Department*

B.A., University of Michigan, 1974;  
M.A., University of Southern California, 1976;  
Ph.D., University of Southern California, 1982.

## **SUSAN TORREY BARBER (1991)**

*Associate Professor of Communication Arts*

B.A., University of Michigan, 1969;  
M.E., University of Montana, 1973;  
M.A., University of Southern California, 1983;  
Ph.D., University of Southern California, 1988.

## **RONALD K. BARRETT (1978)**

*Professor of Psychology*

B.S., Morgan State University, 1970;  
M.S., University of Pittsburgh, 1974;  
Ph.D., Pittsburgh, 1977.

## **THOMAS M. BATSIS (1982)**

*Associate Professor of Education*

B.A., Bellarmine College, 1963;  
M.Ed., University of Louisville, 1972;  
Ph.D., California Graduate Institute, 1983.

## **MARILYN BEKER (1984)**

*Associate Professor of Communication Arts*

B.A., University of Toronto, 1967;  
M.A., Sir George William University, 1974.

## **DIANE BENEDICT (1997)**

*Assistant Professor of Theatre Arts*

B.A., University of Southern California, 1977;  
M.F.A., U.C. Los Angeles, 1989.

**J. ROSS BENDEL (1984)***Professor of Accounting*

B.A., Dickinson College, 1969;  
J.D., University of South Carolina, 1975;  
M.S., University of South Carolina, 1976;  
C.P.A., University of South Carolina, 1978.

**MICHAEL C. BERG (1988)***Professor of Mathematics*

B.A., U.C. Los Angeles, 1978;  
Ph.D., U.C. San Diego, 1985.

**LARRY C. BERNARD (1987)***Professor of Psychology*

B.A., University of Southern California, 1970;  
M.A., California State University, Los Angeles, 1975;  
Ph.D., University of Southern California, 1980.

**MELVIN R. BERTOLOZZI (1971)***Professor of English*

B.A., Mount St. Mary's College, 1963;  
M.A., U.C. Davis, 1968;  
Ph.D., U.C. Davis, 1972.

**JOHN H. BINKLEY (1999)***Assistant Professor of Theatre Arts & Dance*

B.F.A., Western Kentucky University, 1989;  
M.F.A., Southern Methodist University, 1996.

**LANCE H. BLAKESLEY (1973)***Associate Professor of Political Science*

B.A., University of Illinois, 1965;  
M.A., Northwestern University, 1967;  
Ph.D., Northwestern University, 1970.

**JASPER J. BLYSTONE (1965)***Professor of Philosophy*

B.A., University of Southern California, 1949;  
M.A., University Southern California, 1958;  
Ph.D., Mainz, 1964.

**BENJAMIN F. BOBO (1992)***Professor of Finance*

B.S., California State University, Long Beach, 1969;  
M.B.A., U.C. Los Angeles, 1971;  
Ph.D., U.C. Los Angeles, 1974.

**MARY C. BREDEN (1992)***Professor of Music, Director of Choral Activities and  
Chairperson of the Department.*

B.A., Mount St. Mary's College, 1972;  
B.M., Mount St. Mary's College, 1973;  
M.M., Arizona State University, 1981;  
D.M.A., Arizona State University, 1983.

**MICHAEL BRODSKY (1988)***Professor of Art*

B.A., U.C. Santa Cruz, 1975;  
M.F.A., California Institute of the Arts, 1978.

**ANTONIO BROWN (2000)***Assistant Professor of African American Studies*

B.A., Loyola Marymount University, 1995;  
M.A., University of Michigan;

**JANE BRUCKER (1993)***Assistant Professor of Art*

B.A., San Diego State University, 1982;  
M.F.A., Claremont Graduate School, 1985;  
M.A., School of Theology at Claremont, 1992.

**JOHN BULMAN (1982)***Professor of Physics*

B.S., Brown University, 1973;  
M.S., University of Pennsylvania, 1975;  
Ph.D., Tufts University, 1981.

**ROBERT P. BURCHFIELD (1998)***Assistant Professor of Communication Arts*

B.A., U.C. Los Angeles, 1982;  
M.F.A., U.C. Los Angeles, 1998.

**DOUGLAS BURTON-CHRISTIE (1994)***Associate Professor of Theological Studies*

B.A., U.C. Santa Cruz, 1977;  
M.A., Oxford, 1980;  
Ph.D., Graduate Theological Union, 1988.

**STACY LEE BURNS (2000)***Assistant Professor of Sociology*

B.A., U.C. Los Angeles, 1976;  
M.A., U.C. Los Angeles, 1978;  
J.D., Yale University, 1982;  
Ph.D., U.C. Los Angeles, 1999.

**BARBARA J. BUSSE (1969-72; 1979)***Associate Professor of Communication Arts*

B.A., California State University, Fullerton, 1968;  
M.A., California State University, Northridge, 1969.

**JAY B. BUSSE (1970)***Associate Professor of Communication Arts*

B.A., California State University, Fullerton, 1968;  
M.A., San Fernando Valley State, 1969.

**ANTHEA D. BUTLER (1999)***Assistant Professor in Theological Studies*

B.A., University of Houston, 1983;  
M.A., Fuller Theological Seminary, 1995;  
Ph.D., Vanderbilt University, 2000.

**WILLIAM F. CAIN, S.J. (1973)***Professor of Chemistry*

B.S., Loyola University, 1958;  
M.S., University of Detroit, 1965;  
S.T.M., Santa Clara, 1971;  
Ph.D., U.C. San Diego, 1975.

---

**JOSEPH P. CALLINAN (1958)***Professor of Mechanical Engineering*

B.S. in M.E., Loyola University, Los Angeles, 1957;  
 M.S. in E., U.C. Los Angeles, 1961;  
 Ph.D., U.C. Los Angeles, 1968.  
 Registered Professional Engineer.

**WILLIAM SCOTT K. CAMERON (1994)***Assistant Professor of Philosophy*

B.A., Queen's University, 1984;  
 M.A., Queen's University, 1988;  
 Ph.D., Fordham University, 1995.

**ROBERT V. CARO, S.J. (1976)***Professor of English*

B.S., Santa Clara University, 1958;  
 M.A., Gonzaga University, 1964;  
 S.T.M., Santa Clara University (JSTB), 1971;  
 Ph.D., University of Washington, 1977.

**KENYON S. CHAN (1998)***Dean, Bellarmine College of Liberal Arts and  
Professor of Psychology*

B.A., U.C. Los Angeles, 1970;  
 M.A., U.C. Los Angeles, 1972;  
 Ph.D., U.C. Los Angeles, 1974.

**CHRISTOPHER KEY CHAPPLE (1985)***Professor of Theological Studies and  
Director of Asian and Pacific Studies*

B.A., State University New York, Stony Brook, 1976;  
 M.A., Fordham University, 1978;  
 Ph.D., Fordham University, 1980.

**ALAN A. CHERRY (1983)***Professor of Accounting  
and Chairperson of the Department*

B.B.A., Baruch (CUNY), 1970;  
 M.S., U.C. Los Angeles, 1972;  
 Ph.D., U.C. Los Angeles, 1978.

**S.W. TINA CHOE (1995)***Assistant Professor of Chemistry*

B.S., U.C. Los Angeles, 1988;  
 Ph.D., U.C. Los Angeles, 1994.

**JOHN COLEMAN, S.J. (1997)***Casassa Professor of Social Values  
Professor of Theological Studies*

B.A., St. Louis University, 1960;  
 M.A., U.C. Santa Clara, 1961;  
 St.M., U.C. Santa Clara, 1968;  
 Ph.D., U.C. Berkley, 1973;  
 Doctor of Laws, Loyola University Chicago, 1992.

**VINCENT P. COLETTA (1969)***Professor of Physics and Chairperson of the Department*

B.S., Christian Brothers College, 1964;  
 Ph.D., University of Notre Dame, 1969.

**STEVEN COMBS (1993)***Assistant Professor of Communication Studies  
and Chairperson of the Department*

B.A., University of Southern California, 1981;  
 M.A., University of Kansas, 1985;  
 Ph.D., University of Southern California, 1993.

**JOHN R. CONNOLLY, JR. (1971)***Professor of Theological Studies*

B.A., St. Mary's, 1960;  
 S.T.B., St. Mary's, 1963;  
 B.S., Loyola University, New Orleans, 1964;  
 M.A., Marquette University, 1966;  
 Ph.D., Marquette University, 1971.

**PATRICK CONNOLLY, S.J. (1975)***Associate Professor of Communication Arts*

B.A., St. Louis University, 1959;  
 M.A., St. Louis University, 1960;  
 S.T.L., Gregorian, 1967;  
 Ph.D., University Southern California, 1973.

**JANE W. CRAWFORD (1980)***Professor of Classics and Archaeology and  
Chairperson of the Department*

B.A., Boston University, 1968;  
 M.A., U.C. Los Angeles, 1974;  
 M.A., U.C. Los Angeles, 1976;  
 Ph.D., U.C. Los Angeles, 1981;  
 FAAR, U.C. Los Angeles, 1982.

**REBECCA D. CRAWFORD (1987)***Professor of Chemistry and  
Chairperson of the Department*

B.A., U.C. Los Angeles, 1973;  
 Ph.D., University Southern California, 1982.

**MICHAEL DANCIGER (1978)***Professor of Biology and  
Chairperson of the Department*

B.S., Drexel University, 1966;  
 Ph.D., University of Oregon, 1971.

**FRANK P. DAROCA (1986)***Professor of Accounting*

B.S., Louisiana State University, 1964;  
 M.S., Louisiana State University, 1974;  
 Ph.D., University of Illinois, 1981.  
 C.P.A.

**GEORGE DASARO (1977)***Professor of Accounting*

B.B.A., Loyola University, Los Angeles, 1963;  
 M.S., California State, Los Angeles, 1966;  
 C.P.A., 1968.

**KARENMARY DAVALOS (1997)***Assistant Professor of Chicano Studies and American  
Cultures*

B.A., Stanford University, 1987;  
 M.A., Stanford University, 1987;  
 Ph.D., Yale University, 1993.

**JOHN A. DAVIS (1978)**

*Associate Professor of Sociology and  
Chairperson of African American Studies*

B.A., U.C. Los Angeles, 1963;  
M.A., U.C. Los Angeles, 1965;  
Ph.D., U.C. Los Angeles, 1971.

**DONALD DePAMPHILIS (2000)**

*Clinical Professor of Finance and Computer Information  
Systems*

B.A., University of Pittsburgh, 1969;  
M.A., Harvard University, 1971;  
Ph.D., Harvard University, 1972.

**PAUL A. DeSENA (1966)**

*Professor of Education*

M.S., Central Connecticut State University, 1958;  
M.Ed., Hartford University, 1960;  
Ed.D., Pennsylvania State University, 1963.

**JAMES DEVINE (1985)**

*Professor of Economics*

B.A., Yale University, 1974;  
Ph.D., U.C. Berkeley, 1981.

**THERESIA DE VROOM (1989)**

*Associate Professor of English*

B.M., University of Southern California, 1980;  
B.A., University of Southern California, 1980;  
M.A., Emory University, 1982;  
Ph.D., University of Southern California, 1988.

**JACQUELINE M. DEWAR (1973)**

*Professor of Mathematics*

B.S., St. Louis University, 1968;  
M.S., University of Southern California, 1971;  
Ph.D., University of Southern California, 1973.

**MATTHEW DILLON (1987)**

*Associate Professor of Classics*

B.A., Wesleyan University, 1974;  
M.A., Yale University, 1979;  
M.Phil., Yale University, 1981;  
Ph.D., Yale University, 1984.

**PHILIP M. DORIN (1971)**

*Professor of Electrical Engineering and  
Computer Science*

B.S., Massachusetts Institute of Technology, 1970;  
M.S., Northeastern University, 1971;  
Ph.D., U.C. Los Angeles, 1982.

**PATRICIA C. DOUGLAS (1995)**

*Assistant Professor of Accounting*

B.S., University of Colorado, 1982;  
M.S., University of Virginia, 1990;  
Ph.D., Virginia Commonwealth University, 1995;  
C.M.A.

**PHILIPPA M. DRENNAN (1995)**

*Assistant Professor of Biology*

B.S., University of Natal, Durban, 1979;  
B.Sc., University of Natal, Durban, 1980;  
Ph.D., University of Natal, Durban, 1987.

**STEPHEN V. DUNCAN (1998)**

*Assistant Professor in Communication Arts*

B.S., North Carolina A&T State University, 1971;  
M.B.A., Baruch College, NY, 1977;  
M.A., Loyola Marymount University, 1979.

**JOSEPH E. EARLEY (1974)**

*Associate Professor of Economics*

B.A., Gannon College, 1967;  
M.S., Rensselaer Polytechnical Institute, 1968;  
Ph.D., Fordham University, 1973.

**JENNIFER L. EICH (1994)**

*Associate Professor of Modern Languages*

B.A., Knox College, 1981;  
M.A., U.C. Los Angeles, 1987;  
Ph.D., U.C. Los Angeles, 1992.

**MICHAEL E. ENGH, S.J. (1987)**

*Associate Professor of History*

B.A., Loyola University, Los Angeles, 1972;  
M.A., Gonzaga University, 1978;  
M.Div., Jesuit School of Theology, Berkeley, 1982;  
Ph.D., University of Wisconsin, Madison, 1987.

**ELLEN A. ENSHER (1997)**

*Assistant Professor of Management*

B.A., Loyola Marymount University, 1987;  
M.P.A., U.C. Los Angeles, 1990;  
M.A., Claremont Graduate School, 1994;  
Ph.D., Claremont Graduate School, 1997.

**CAROLYN ERVIN (1999)**

*Assistant Professor in Mathematics*

B.S., Western Michigan University, 1980;  
M.S., Western Michigan University, 1983;  
M.P.H., U.C. Los Angeles, 1996.

**OMAR S. ES-SAID (1985)**

*Professor of Mechanical Engineering*

B.S., American University, Cairo, 1976;  
M.S., American University, Cairo, 1978;  
Ph.D., University of Kentucky, 1985.

**ZAKI EUSUFZAI (1988)**

*Associate Professor of Economics*

B.S.S., University of Dhaka, 1980;  
M.A., Illinois State University, 1982;  
Ph.D., U.C. Los Angeles, 1993.

**KWEKU EWUSI-MENSAH (1985)**

*Professor of Computer Information Systems*

B.S., University of Ghana, 1970;  
M.S., University of Alberta, 1972;  
Ph.D., U.C. Los Angeles, 1978.

**ALAN H. FALCON (1979)***Professor of Accounting*

B.A., Temple University, 1970;  
 M.A., University of Arizona, 1973;  
 C.M.A., 1980;  
 C.P.A., 1982;  
 C.I.A., 1984.

**CAROLE E. FAN (1999)***Assistant Professor of Mathematics*

B.A., Pomona College, 1991;  
 M.S., University of Michigan, 1991;  
 Ph.D., University of Michigan, 1997.

**JAMES D. FAUGHT (1974)***Professor of Sociology*

B.A., San Jose State University, 1967;  
 M.A., San Jose State University, 1969;  
 Ph.D., University of Notre Dame, 1973.

**FRANKLIN E. FISHER (1969)***Professor of Mechanical Engineering and Director of the Graduate Program in Mechanical Engineering*

B.S., Rose Polytechnic Institute, 1960;  
 M.S., University of Maryland, 1965;  
 Ph.D., University of Maryland, 1969;  
 Registered Professional Engineer.

**MARY CATHERINE FITZGERALD (1982)***Assistant Professor of Psychology and Director of the Alcohol and Drug Studies Program*

B.A., Marymount College, 1964;  
 M.Ed., Virginia State University, 1974;  
 M.S.Ed., University of Southern California, 1978;  
 Ph.D., United States International University, 1982.

**VERONIQUE FLAMBARD-WEISBART (1992)***Associate Professor of Modern Languages and Director of European Studies*

D.E.U.G., Universite de Paris X, 1982;  
 M.A., U.C. Los Angeles, 1985;  
 Ph.D., U.C. Los Angeles, 1990.

**RUDOLF FLECK (1977)***Professor of Art*

B.A., Loyola University, Los Angeles, 1973;  
 M.F.A., University of Oregon, 1977.

**RENEE FLORSHEIM (1989)***Associate Professor of Marketing and Co-Chairperson of the Department*

B.S., California State Polytechnic University, 1976;  
 M.B.A., U.C. Los Angeles, 1979;  
 Ph.D., Northwestern University, 1988.

**JAMES E. FOXWORTHY (1958)***Professor of Civil Engineering and Director of the Graduate Programs in Civil Engineering and Environmental Science.*

B.S. in C.E., University of Southern California, 1955;  
 M.S., University of Southern California, 1958;  
 Ph.D., University of Southern California, 1964;  
 Registered Professional Engineer.

**JUDITH G. FOY (1991)***Associate Professor of Psychology*

B.A., Eastern Washington University, 1980;  
 M.S., Eastern Washington University, 1981;  
 M.A., Kent State University, 1986;  
 Ph.D., Kent State University, 1987.

**MICHAEL R. FOY (1987)***Professor of Psychology*

B.S., U.C. California, Irvine, 1977;  
 M.S., Kent State University, 1981;  
 Ph.D., Kent State University, 1983.

**JAMES L. FREDERICKS (1992)***Associate Professor of Theological Studies*

B.A., St. Joseph's College, 1973;  
 M.A., St. Patrick's Seminary, 1976;  
 S.T.L., Jesuit School of Theology, 1983;  
 Ph.D., University of Chicago, 1988.

**KATHARINE B. FREE (1970)***Professor of Theatre Arts*

B.A., Marymount College, 1966;  
 M.A., U.C. Los Angeles, 1968;  
 Ph.D., U.C. Los Angeles, 1974.

**GABRIEL A. FUENTES (1994)***Assistant Professor of Economics*

B.A., San Diego State University, 1986;  
 Ph.D., San Diego State University, 1994.

**WILLIAM J. FULCO, S. J. (1998)***Professor of Classics and NEH Chair, Ancient Mediterranean Studies*

B.A., Gonzaga University, 1959;  
 M.A., Gonzaga University, 1960;  
 S.T.M., Santa Clara University, 1967;  
 Ph.D., Yale University, 1971.

**JEFFREY GALE (1985)***Professor of Management*

S.B., Massachusetts Institute of Technology, 1970;  
 S.M., Massachusetts Institute of Technology, 1971;  
 J.D., U.C. Los Angeles, 1975;  
 Ph.D., U.C. Los Angeles, 1976.

**GLENN GEBHARD (1995)***Assistant Professor of Communication Arts*

B.A., University of Dayton, 1973;  
 M.F.A., University of Southern California, 1980.

**MICHAEL P. GEIS (1970)***Professor of Chemistry*

B.S., Loyola University, Los Angeles, 1966;  
Ph.D., U.C. Santa Barbara, 1971.

**MICHAEL GENOVESE (1980)***Professor of Political Science*

B.A., St. Mary's College, 1972;  
M.A., University of Southern California, 1975;  
Ph.D., University of Southern California, 1978.

**EVAN GERSTMANN (1996)***Assistant Professor of Political Science*

B.A., Oberlin College, 1983;  
J.D., University of Michigan Law School, 1986;  
M.A. University of Wisconsin, 1992;  
Ph.D., University of Wisconsin, 1996.

**RICHARD GILBERT (1985)***Professor of Psychology*

B.A., Princeton University, 1977;  
M.A., U.C. Los Angeles, 1979;  
Ph.D., U.C. Los Angeles, 1982.

**DIANNE D. GLAVE (1997)***Assistant Professor of African-American Studies and American Cultures*

B.A., University Center, Binghamton, 1985;  
M.A., University Center, Stony Brook, 1991;  
Ph.D., State University New York, Stony Brook, 1998.

**CARM KEITH GOODE (1987)***Associate Professor of Art*

B.A., California State University, Long Beach, 1963;  
M.A., California State University, Los Angeles, 1984.

**MICHAEL D. GRADY (1975)***Professor of Mathematics and  
Chairperson of the Department*

B.A., University of Missouri, 1968;  
M.S., Southern Illinois University, 1970;  
Ph.D., Utah, 1975.

**VICTORIA L. GRAF (1979)***Professor of Education*

B.A., De Paul University, 1972;  
M.A., U.C. Riverside, 1975;  
Ph.D., U.C. Riverside, 1980.

**ALLEN P. GRAY (1980)***Associate Professor of Computer Information Systems*

B.A., Loyola University, Los Angeles, 1970;  
vM.A., California State University, Los Angeles, 1971;  
Ph.D., U.C. Riverside, 1979.

**EDMUND R. GRAY (1986)***Professor of Management and**Chairperson of the Department*

B.A., Hofstra University, 1956;  
M.B.A., U.C. Los Angeles, 1961;  
Ph.D., U.C. Los Angeles, 1966.

**JOHN H. GREVER, C.F.M.M. (1973)***Professor of History and**Chairperson of the Department*

B.A., Loyola University, Los Angeles, 1965;  
M.A., Loyola University, Los Angeles, 1967;  
Ph.D., U.C. Los Angeles, 1973.

**CHERYL GRILLS (1987)***Professor of Psychology and Coordinator of American Culture Studies*

B.A., Yale University, 1980;  
M.A., U.C. Los Angeles, 1982;  
Ph.D., U.C. Los Angeles, 1985.

**ARTHUR GROSS-SCHAEFER, (1980)***Professor of Business Law**and Co-Chairperson of the Department*

B.S., University of Southern California, 1973;  
J.D., Boston College, 1976;  
M.H.L., Hebrew Union, 1982.  
C.P.A.

**FERNANDO J. GUERRA (1984)***Associate Professor of Chicano Studies and Political Science  
and Director, Center for the Study of Los Angeles*

B.A., University of Southern California, 1980;  
M.A., University of Michigan, 1982;  
Ph.D., University of Michigan, 1990.

**FRANCES GUSSENHOVEN, R.S.H.M. (1967)***Professor of English*

B.A., Marymount College, 1952;  
M.A., Loyola University, Los Angeles, 1961;  
M.A., Stanford University, 1967;  
Ph.D., Stanford University, 1977.

**GABRIEL GUTIERREZ (1995)***Assistant Professor of Chicano Studies*

B.A., U.C. Santa Barbara, 1990;  
M.A., U.C. Santa Barbara, 1993;  
Ph.D., U.C. Santa Barbara, 1997.

**RICHARD P. HADLEY, JR. (1991)***Associate Professor of Communication Arts and Director of  
the Graduate Program in Communication Arts*

B.A., U.C. Berkeley, 1970;  
M.A., University of Wisconsin, Madison, 1972;  
M.F.A., University of Southern California, 1980;  
Ph.D., University of Southern California, 1989.



**JAMES G. HANINK (1976)***Professor of Philosophy*

B.A., St. Mary's College, 1968;  
 M.A., Michigan, 1971;  
 Ph.D., Michigan, 1975.

**KATHERINE HARPER (1977)***Associate Professor of Art History*

B.A., California State University, Los Angeles, 1967;  
 M.A., California State University, Los Angeles, 1969;  
 Ph.D., California State University, Los Angeles,  
 1977.

**RENÉE L. HARRANGUE (1958)***Professor of Psychology**Director of the Marymount Institute for Faith,  
Culture, and the Arts*

B.A., Marymount College, 1957;  
 M.A., Catholic University of America, 1960;  
 Ph.D., Catholic University of America, 1965.

**PAUL A. HARRIS (1995)***Assistant Professor of English and  
Program Director*

B.A., McGill University, 1984;  
 M.A., U.C. Irvine, 1986;  
 Ph.D., U.C. Irvine, 1991.

**SCOTT HEINZERLING (1991)***Associate Professor of Theater Arts/Dance*

B.A., University of Akron, 1975;  
 M.F.A., Ohio State University, 1991.

**GEORGE L. HESS (1975)***Professor of Management and**Associate Dean of the College of Business Administration,  
Director of Small Business Institute*

B.S., Xavier University, 1956;  
 M.B.A., Xavier University, 1957;  
 Ph.D., Arizona State, 1974.

**CHARLES J. HIGGINS (1982)***Associate Professor of Finance*

B.A., University Southern California, 1968;  
 M.B.A., University Southern California, 1972;  
 Ph.D., Claremont Graduate School, 1983.

**PETER R. HOFFMAN (1976)***Associate Professor and Director of Geography and Urban  
Studies*

B.A., U.C. Los Angeles, 1969;  
 M.A., Arizona, 1974;  
 Ph.D., U.C. Los Angeles, 1983.

**MICHAEL P. HORAN (1994)***Associate Professor of Theological Studies*

B.A., Iona College, 1977;  
 M.R.E., Catholic University of America, 1982;  
 Ph.D., Catholic University of America, 1989.

**ROY S. HOUSTON (1974)***Professor of Biology*

B.S., University of Arizona, 1968;  
 M.S., University of the Pacific, 1970;  
 Ph.D., University Arizona, 1974.

**PAUL W. HUMPHRYES (1997)***Assistant Professor of Music*

B.M., University of Cincinnati, 1976;  
 M.A., U.C. Los Angeles, 1983;  
 Ph.D., U.C. Los Angeles, 1988.

**TAMARA L. HUNT (1993)***Associate Professor of History*

B.A., Mundelein College, 1981;  
 M.A., University of Illinois, 1983;  
 Ph.D., University of Illinois, 1989.

**MARY ELIZABETH INGHAM, C.S.J. (1987)***Professor of Philosophy*

B.A., Marymount College, 1973;  
 B.A., Loyola Marymount University, 1981;  
 Lic-es-arts, University of Fribourg, Switzerland,  
 1985;  
 Ph.D., University of Fribourg, Switzerland, 1989.

**JOSEPH G. JABBRA (1990)***Professor of Political Science and  
Academic Vice President*

M.A., LL.D., Université Saint-Joseph, Beirut, 1965;  
 Ph.D., Catholic University of America, 1970.

**NANCY W. JABBRA (1990)***Professor of Women's Studies and  
Director of Women's Studies Program*

B.A., U.C. Santa Barbara, 1964;  
 M.A., Indiana University, 1970;  
 Ph.D., Catholic University of America, 1975.

**GERALD S. JAKUBOWSKI (1990)***Professor of Mechanical Engineering and  
Dean of the College of Science and Engineering*

B.S.M.E., University of Toledo, 1974;  
 M.S.M.E., University of Toledo, 1976;  
 Ph.D. in E.S., University of Toledo, 1978.  
 Registered Professional Engineer

**LAWRENCE J. JELINEK (1977)***Professor of History*

B.A., University of Illinois, Urbana, 1964;  
 Ph.D., U.C. Los Angeles, 1976.

**JOK MADUT JOK (1997)***Assistant Professor of History*

B.A., University of Alexandria, Egypt, 1988;  
 M.A., American University in Cairo, 1991;  
 Ph.D., U.C. Los Angeles, 1996.

**FELIX JUST, S.J. (1996)***Assistant Professor of Theological Studies*

B.S., University of Arizona, 1978;  
 M.S., University of Arizona, 1980;  
 B.A. Philosophie, Munich, Germany, 1984;  
 M.Div., Jesuit School of Theology at Berkeley, 1990;  
 S.T.L., Jesuit School of Theology at Berkeley, 1994;  
 Ph.D., Yale University, 1997.

**CHRISTOPHER KACZOR (1998)***Assistant Professor of Philosophy*

B.A., Boston College, 1992;  
 M.A., University of Notre Dame, 1994;  
 Ph.D., University of Notre Dame, 1996.

**TAI-WU KAO (1965)***Professor of Electrical Engineering*

B.S., National University, Taiwan, 1958;  
 M.S., National University Taiwan, 1961;  
 Ph.D., University of Utah, 1965.

**ANTHONY S. KARRER (1993)***Associate Professor of Computer Science*

B.S., Loyola Marymount University, 1987;  
 M.S., University of Southern California, 1989;  
 Ph.D., University of Southern California, 1993.

**RACHELLE KATZ (1976)***Professor of Finance, Associate Dean and Director of the MBA Program*

B.S., Purdue University, 1969;  
 M.B.A., University of Michigan, 1972;  
 Ph.D., Stanford University, 1980.

**THOMAS P. KELLY (1975)***Professor of Communication Arts and Dean of the College of Communication and Fine Arts*

B.A., Providence College, 1952;  
 M.A., Catholic University of America, 1960.

**SCOTT W. KESTER (1977)***Professor of Education*

B.A., Oklahoma Baptist University, 1959;  
 M.Ed., University of Oklahoma, 1966;  
 Ph.D., University of Oklahoma, 1969.

**LILY KHADJAVI (1999)***Assistant Professor of Mathematics*

B.A., Harvard University, 1990;  
 M.A., Harvard University, 1990;  
 Ph.D., U.C. Berkeley, 1999.

**W. FREDERICK KIESNER, JR. (1977)***Professor of Management and Hilton Chair in Entrepreneurship*

B.S.B., University of Minnesota, 1961;  
 M.B.A., Northwestern University, 1962;  
 Ph.D., Claremont Graduate School, 1985.

**DAVID D. KILLORAN (1969)***Professor of English*

B.A., Michigan State University, 1965;  
 Ph.D., Tulane University of Louisiana, 1975;  
 Ph.D., Tulane University of Louisiana, 1992.

**SOO JIN KIM (1999)***Assistant Professor of Art and Art History*

B.A., U.C. Riverside, 1991;  
 M.F.A., California Institute of Arts, 1995.

**RICHARD L. KOCHER (1966)***Professor of English*

B.A., Loyola University, Los Angeles, 1956;  
 M.A., University Southern California, 1963;  
 Ph.D., University Southern California, 1978.

**JAMES D. KONOW (1987)***Associate Professor of Economics*

B.A., Arizona State University, 1977;  
 M.A., U.C. San Diego, 1983;  
 Ph.D., U.C. Los Angeles, 1989.

**ALBERT P. KOPPEL, O. Carm. (1975)***Professor of Education and Dean of the School of Education*

B.A., St. Bonaventure University, 1956;  
 B.S., St. Bonaventure University, 1958;  
 M.A., University of Notre Dame, 1963;  
 Ph.D., University of Southern California, 1973.

**SUDHA KRISHNAN (1999)***Assistant Professor of Accounting*

B.C., University of Bombay, 1985;  
 M.C., University of Bombay, 1989;  
 M.A., University of Southern California; 1993;  
 Ph.D., University of Southern California, 1999.

**GARY KULECK (1994)***Assistant Professor of Biology*

B.A., University of Maryland, 1975;  
 Ph.D., University of Pennsylvania, 1991.

**JAMES M. LANDRY (1984)***Professor of Chemistry, Director of the Natural Science Program and Director of the Honors Program*

B.S., Xavier University, 1978;  
 M.S., Xavier University, 1983;  
 Ph.D., Miami University, 1984.

**SUZANNE LARSON (1986)***Professor of Mathematics*

B.A., St. Olaf College, 1979;  
 Ph.D., Claremont Graduate School, 1984.

**MAGALY LAVADENZ (1994)***Assistant Professor of Education*

B.S., Oakland University, 1979;  
 M.A., California State University, Northridge, 1991;  
 Ph.D., University of Southern California, 1993.

**HOWARD S. LAVICK (1984)**

*Associate Professor of Communication Arts and  
Chairperson of the Department*

M.A., University of Minnesota, 1969;  
M.F.A., U.C. Los Angeles, 1976.

**ROBERT B. LAWTON, S.J. (1999)**

*Professor of Classics and Theological Studies and  
President of the University*

A.B., Fordham University, 1971;  
Ph.D., Harvard University, 1977.

**LINDA LEON (1988)**

*Associate Professor Finance*

B.A., U.C. Los Angeles, 1982;  
Ph.D., U.C. Los Angeles, 1988.

**BRIAN P. LEUNG (1990)**

*Associate Professor of Education and  
Asian Pacific American Studies*

A.A., Pasadena City, 1974;  
B.A., University of Southern California, 1976;  
M.A., California State University, Long Beach, 1979;  
Ph.D., University of Southern California, 1990.

**HOLLI G. LEVITSKY (1991)**

*Associate Professor of English*

B.A., University of Michigan, 1979;  
M.A., University of Michigan, 1982;  
Ph.D., U.C. Irvine, 1991.

**PETRA LIEDKE-KONOW (1993)**

*Assistant Professor of Modern Languages*

B.A., Universität zu Köln, Germany, 1977;  
M.A., Universität zu Köln, Germany, 1983;  
Ph.D., U.C. Los Angeles, 1992.

**GRACIELA LIMÓN (1965)**

*Professor of Chicano Studies and  
Chairperson of the Department*

B.A., Marymount College, 1965;  
M.A., University of the Americas, Mexico City, 1969;  
Ph.D., U.C. Los Angeles, 1975.

**DEBRA LINESCH (1991)**

*Associate Professor of Marital and Family Therapy and  
Chairperson of the Department*

B.A., University of Toronto, 1975;  
B.Ed., Queens University, 1976;  
M.A., Loyola Marymount University, 1981;  
Ph.D., Union Institute, 1992.

**EDMUNDO LITTON (1999)**

*Assistant Professor Education*

B.A., De La Salle University, Philippines, 1985;  
M.A., Georgetown University, 1989;  
Ed.D., University of San Francisco, 1994.

**SHARON LOCY (1971)**

*Professor of English and Director of Liberal Studies*

B.A., College of St. Teresa, 1963;  
M.A., U.C. Davis, 1966;  
Ph.D., U.C. Davis, 1975.

**MARC G. LONY (1998)**

*Assistant Professor of Modern Languages*

DEUG, Université de Paris III, 1978;  
M.A., Université de Paris VIII, 1980;  
M.A., Université de Paris VIII, 1988;  
Ph.D., U.C., Santa Barbara, 1994.

**RICARDO A. MACHÓN (1986)**

*Professor of Psychology and  
Associate Dean of Liberal Arts*

B.A., University of Southern California, 1979;  
M.A., University of Southern California, 1982;  
Ph.D., University of Southern California, 1986.

**CHRISTOPHER A. MANNING (1986)**

*Professor of Finance*

B.S., San Diego State University, 1967;  
M.B.A., Northwestern University, 1971;  
Ph.D., U.C. Los Angeles, 1983.

**MICHAEL E. MANOOGIAN (1993)**

*Associate Professor of Civil Engineering*

B.S., Loyola Marymount University, 1975;  
M.S., California State University, Northridge, 1983;  
E.C.E., University of Southern California, 1987;  
Ph.D., University of Southern California, 1992.

**RONALD MARASCO (1993)**

*Assistant Professor of Theatre Arts*

B.A., Fordham University, 1983;  
M.A., U.C. Los Angeles, 1988;  
Ph.D., U.C. Los Angeles, 1994.

**BARBARA E. MARINO (1997)**

*Assistant Professor of Electrical Engineering*

B.S.E.E., Marquette University, 1989;  
M.S.E.E., University of Notre Dame, 1993;  
Ph.D., University of Notre Dame, 1996.

**DAVID MARPLE (1978)**

*Assistant Professor of Sociology*

B.A., Western Kentucky University, 1968;  
M.A., State University New York, Albany, 1970;  
Ph.D., Cincinnati University, 1981.

**SHANE P. MARTIN (1995)**

*Assistant Professor of Education*

B.A., Loyola Marymount University, 1980;  
M.Div., Jesuit School of Theology, Berkeley, 1991;  
Th.M., Jesuit School of Theology, Berkeley, 1992;  
Ph.D., University of Southern California, 1995.

**JAMES T. MATHIEU (1972)***Professor of Sociology*

B.A., Grove City College, 1956;  
 M. Div., Princeton Theological Seminary, 1959;  
 Ph.D., University of Southern California, 1972.

**DAVID L. MATHISON (1983)***Professor of Management*

B.A., Whittier College, 1969;  
 M.Div., Bethel Theological Seminary, 1975;  
 Ph.D., Bowling Green State University, 1978.

**MARIE ANNE MAYESKI (1974)***Professor of Theological Studies*

B.A., Dominican College of San Rafael, 1960;  
 M.A., Holy Names College, 1963;  
 Ph.D., Fordham University, 1974.

**MARY McCULLOUGH (1995)***Professor of Education*

B.A., Mount St. Mary's College, 1968;  
 M.A., University of San Francisco, 1985;  
 Ph.D., University of Southern California, 1992.

**MARY CATHERINE McELWAIN (1987)***Associate Professor of Biology and  
William McLaughlin Professor of Biology*

A.B., Bryn Mawr College, 1973;  
 Ph.D., University of Utah, 1985.

**CATHLEEN MCGRATH (1998)***Assistant Professor of Management*

B.A., University of Notre Dame, 1989;  
 Ph.D., Carnegie Mellon University, 1998.

**CAMERON MCNALL (2000)***Assistant Professor of Art History*

B.A., U.C. Los Angeles, 1978;  
 M.A., Harvard University, 1985.

**HERBERT A. MEDINA (1992)***Associate Professor of Mathematics*

B.S., University of Southern California, 1985;  
 M.S., U.C. Berkeley, 1987;  
 Ph.D., U.C. Berkeley, 1992.

**JOHN M. MENAGHAN (1989)***Associate Professor of English and Director of Irish Studies*

A.B., Boston College 1976;  
 M.A., Syracuse University, 1979;  
 Ph.D., U.C. Berkeley, 1988.

**MEL I. MENDELSON (1994)***Associate Professor of Mechanical Engineering and Director  
of the Graduate Program in Engineering  
and Production Management*

B.S., U.C. Berkeley, 1964;  
 M.S., Northwestern University, 1966;  
 Ph.D., Northwestern University, 1973.

**ESTHER V. MERRIAM (1971)***Professor of Biology*

B.S., Elizabethtown College, 1962;  
 Ph.D., Washington University, 1966.

**DONALD P. MERRIFIELD, S.J. (1969)***Professor of Physics and Theological Studies and  
Chancellor of the University*

B.S., California Institute of Technology, 1950;  
 M.S., Notre Dame, 1951;  
 M.A., St. Louis, 1957;  
 Ph.D., Massachusetts Institute of Technology, 1962;  
 S.T.M., Santa Clara University, 1966;  
 S.T.D., Southern California, 1969.

**MLADEN MILICEVIC (1998)***Associate Professor of Communication Arts*

B.A., Academy of Music, Sarajevo, 1982;  
 M.A., Academy of Music, Sarajevo, 1986;  
 M.A., Westleyan University, 1988;  
 D.M.A., University of Miami, 1991.

**MICHAEL E. MILLS (1984)***Associate Professor of Psychology*

B.A., U.C. Los Angeles, 1975;  
 M.S., California State University, Long Beach, 1977;  
 Ph.D., U.C. Santa Barbara, 1983.

**ELIZABETH MORELLI (1986)***Professor of Philosophy*

B.A., Santa Clara University, 1971;  
 M.A., University of Toronto, 1973;  
 Ph.D., University of Toronto, 1981.

**MARK D. MORELLI (1980)***Professor of Philosophy  
and Acting Chair of the Department*

B.A., Santa Clara University, 1970;  
 M.A., University of Toronto, 1973;  
 Ph.D., University of Toronto, 1979.

**LORETTA M. MORRIS (1970)***Professor of Sociology and  
Chairperson of the Department*

B.A., Alverno College, 1951;  
 M.A., Loyola University, Chicago, 1956;  
 Ph.D., Catholic University of America, 1961.

**MICHAEL E. MULVIHILL (1966)***Professor of Civil Engineering*

B.S. in C.E., Loyola University, Los Angeles, 1960;  
 M.S., University of Southern California, 1963;  
 Ph.D., U.C. Los Angeles, 1973;  
 Registered Professional Engineer.

**TERESA MUÑOZ (1973)***Professor of Art*

B.A., Marymount College, 1971;  
 M.A., California State University, Northridge, 1974;  
 M.F.A., California State University, Long Beach,  
 1982.

**ROBBIE NAKATSU (2000)**

*Assistant Professor of Finance and Computer Information Systems*

B.A., Yale University, 1986;

**ALDON LYNN NIELSEN (1997)**

*Professor of English and*

*Fletcher Jones Professor of Literature and Writing*

B.A., University of the District of Columbia, 1977;

M.Phil., George Washington University, 1982;

Ph.D., George Washington University, 1985.

**ART NOMURA (1990)**

*Associate Professor of Communication Arts*

B.A., California State University, Los Angeles, 1970;

M.F.A., U.C. Los Angeles, 1989.

**RAFIQUL I. NOORANI (1989)**

*Professor of Mechanical Engineering and  
Chairperson of the Department*

B.S., Bangladesh Univ. of Engr. & Technology, 1969;

M.E., Texas A&M University, 1977;

Ph.D., Texas A&M University, 1982.

**MAHMOUD MEHRDAD NOURAYI (1990)**

*Professor of Accounting*

B.S., Inst. of Advanced Accounting, 1975;

M.B.A., West Coast University, 1978;

M.S.B.A., California State University, Los Angeles, 1983;

Ph.D., University of Southern California, 1989

C.P.A., C.M.A.

**ÁINE O'HEALY (1989)**

*Professor and Chairperson of Modern Languages and  
Director of European Studies*

B.A., University College, Galway, 1969;

M.A., University College Galway, 1971;

Ph.D., University of Wisconsin, Madison, 1976.

**PATRICIA OLIVER (1979)**

*Associate Professor of Communication Arts*

B.A., Holy Names College, 1965;

M.A., California State University, Los Angeles, 1977.

**BOHDAN W. OPPENHEIM (1982)**

*Professor of Mechanical Engineering  
and Director of the Graduate Program in  
Mechanical Engineering*

B.S.C., Warsaw Polytechnic, 1970;

M.S.C., Stevens Institute of Technology, 1972;

Naval Architect, Massachusetts Institute of  
Technology, 1974;

Ph.D., Southampton University, 1980.

**MICHAEL O'SULLIVAN (1985)**

*Professor of Psychology, Chairperson of the Department,  
and Director of the Graduate Program in Counseling  
Psychology*

B.A., St. Louis University, 1972;

M.S., St. Louis University, 1973;

M.Div., Jesuit School of Theology, Berkeley, 1978;

S.T.M., Jesuit School of Theology, Berkeley, 1979;

Ph.D., St. Louis University, 1983.

**JOHN A. PAGE (1962)**

*Professor of Electrical Engineering and  
Chairperson of the Department*

B.S. in E.E., Loyola University, Los Angeles, 1961;

M.S. in E., U.C. Los Angeles, 1964;

Ph.D., U.C. Los Angeles, 1970.

Registered Professional Engineer.

**YONGSUN PAK (1991)**

*Associate Professor of Management*

B.A., Yonsei University, 1978;

M.B.A., Chung-Ang University;

M.A., University of Texas, Austin, 1986;

Ph.D., University of Washington, 1991.

**KAREN PALEY (1999)**

*Assistant Professor of English*

B.A., University of Rochester, 1969;

M.Ed., Boston College, 1972;

M.A., University of New Hampshire, 1993;

Ph.D., Northeastern University, 1998.

**RODGER PARDEE (2000)**

*Assistant Professor of Film and Television*

B.A., University of Nebraska, 1977;

M.A., University of Southern California, 1980.

**EDWARD PARK (1999)**

*Assistant Professor of Asian Pacific American Studies and  
Director of Asian Pacific American Studies*

A.B., U.C. Berkeley, 1986;

M.C.P., U.C. Berkeley, 1988;

Ph.D., U.C. Berkeley, 1993.

**ALICIA M. PARTNOY (1998)**

*Professor of Modern Languages*

B.A., Universidad Nacional del Sur;

M.A., The Catholic University of America, 1991;

Ph.D., The Catholic University of America, 1997.

**RICHARD J. PERLE (1975)**

*Professor of Finance and  
Chairperson of the Department*

B.S., Michigan Technological University, 1967;

M.B.A., California State University, Long Beach, 1972;

M.S., University of Southern California, 1974;

Ph.D., University of Southern California, 1981.

**K.J. PETERS (2000)***Assistant Professor of English*

B.A., Tabor College, 1985;  
 M.A., Wichita State University, 1988;  
 Ph.D., University of Nebraska, 1998.

**ANTONIA PETRO (2000)***Assistant Professor of Modern Languages and Literature*

B.A., University of Salamanca, 1994;  
 M.A., Michigan State University, 1996;  
 Ph.D., Michigan State University, 2000.

**CANDACE A. POINDEXTER (1984)***Professor of Education*

B.A., U.C. Los Angeles, 1967;  
 M. Ed., Loyola Marymount University, 1977;  
 Ed.D., U.C. Los Angeles, 1985.

**JOHN R. POPIDEN (1977)***Associate Professor of Theological Studies*

B.A., Rice University, 1972;  
 M.A., University of Notre Dame, 1977;  
 Ph.D., University of Notre Dame, 1980.

**ZBIGNIEW H. PRZASNYSKI (1985)***Professor of Operations Management*

B.S., University of Sussex, 1972;  
 M.S., University of Sussex, 1973;  
 Ph.D., University of Sussex, 1977.

**RALPH L. QUIÑONES (1986)***Associate Professor of Business Law*

B.A., Vassar College, 1974;  
 J.D., New York University, 1980;  
 M.B.A., New York University, 1981.

**MARTIN RAMIREZ (1999)***Assistant Professor of Biology*

B.S., Loyola Marymount University, 1981;  
 Ph.D., U.C. Santa Cruz, 1990.

**THOMAS P. RAUSCH, S.J. (1967-69; 1976)***Professor of Theological Studies,**T. Marie Chilton Professor of Catholic Theology and  
Chairperson of the Department*

B.A., Gonzaga University, 1966;  
 M.A., Gonzaga University, 1967;  
 S.T.M., Jesuit School of Theology, Berkeley, 1972;  
 Ph.D., Duke University, 1976.

**JOSEPH C. REICHENBERGER (1993)***Professor of Civil Engineering*

B.C.E., Marquette University, 1964;  
 M.S., University of Southern California, 1967.

**JOHN T. REILLY (1984)***Associate Professor of English and  
African American Studies*

B.A., Harpur College, 1968;  
 M.F.A., Cornell University, 1972;  
 Ph.D., Cornell University, 1977.

**THOMAS J. REILLY (1976)***Associate Professor of Chemistry*

B.A., Brooklyn College, 1963;  
 Ph.D., University of Southern California, 1971.

**BARBARA ROCHE RICO (1989)***Professor of English*

B.A., Yale University, 1977;  
 M.Phil., Yale University, 1981;  
 Ph.D., Yale University, 1987.

**PETER SMITH RING (1990)***Professor of Management*

B.A., St. Anselm College, 1963;  
 L.L.B., Georgetown, 1966;  
 M.P.A., Harvard University, 1970;  
 Ph.D., U.C. Irvine, 1986.

**IRENE RIOS-OLIVER (1978)***Associate Professor of Education*

B.A., Marymount College, 1973;  
 M.Ed., Loyola Marymount University, 1976;  
 Ed.D., Pepperdine University, 1997.

**SUSAN BARNES ROBINSON (1977)***Professor of Art History*

B.A., U.C. Los Angeles, 1965;  
 M.A., U.C. Los Angeles, 1967;  
 Ph.D., University of Michigan, Ann Arbor, 1977.

**RAYMOND C. RODY (1991)***Associate Professor of Marketing*

B.B.A., University of Michigan, 1981.  
 Ph.D., University of Southern California, 1992.

**JAMES A. ROE (1991)***Associate Professor of Chemistry*

A.B., Williams College, 1977;  
 Ph.D., U.C. Berkeley, 1984.

**RICHARD W. ROLFS, S.J. (1974)***Professor of History*

A.B., Gonzaga University, 1954;  
 M.A., Gonzaga University, 1956;  
 Ph.D., U.C. Santa Barbara, 1976.

**CHUCK ROSENTHAL (1986)***Professor of English*

B.A., Allegheny University, 1973;  
 M.A., Bowling Green State University, 1975;  
 M.A., U.C. Davis, 1981;  
 Ph.D., University of Utah, 1986.

**JUDITH ROYER, C.S.J. (1973)***Professor of Theatre Arts*

B.A., St. Joseph Teachers College, 1967;  
 M.A., California State University, Fullerton, 1973;  
 Ph.D., U.C. Santa Barbara, 1983.

**PAUL A. RUDE (1963-85; 1987)**

*Professor of Electrical Engineering and  
Director of Graduate Electrical Engineering and Computer  
Science Program*

B.S. in E., California State University, Los Angeles,  
1955;  
M.S. in E.E., University of Pittsburgh, 1957;  
Ph.D., University of Pittsburgh, 1962.

**HERBERT J. RYAN, S.J. (1974)**

*Professor of Theological Studies*

A.B., Loyola University, Chicago, 1954;  
M.A., Loyola University, Chicago, 1960;  
Ph.L., West Baden, Germany, 1956;  
S.T.B., Woodstock College, 1961;  
S.T.L., Woodstock College, 1963;  
S.T.D., Gregorian University, Rome, 1967.  
S.T.D. (h.c.), General Theological Seminary, N.Y.,  
1973.

**JEFF SANNY (1980)**

*Professor of Physics*

B.S., Harvey Mudd College, 1970;  
M.S., U.C. Los Angeles, 1976;  
Ph.D., U.C. Los Angeles, 1980.

**MARK SAYA (1993)**

*Assistant Professor of Music*

B.M., Indiana University, 1977;  
M.M., University of Cincinnati, 1980;  
D.M.A., University of Cincinnati, 1986.

**VIRGINIA SAYA (1989)**

*Associate Professor of Music*

B.Mus., Simpson College, 1975;  
M.Mus., University of Cincinnati, 1983;  
Ph.D., University of Cincinnati, 1989.

**JUDITH M. SCALIN (1976)**

*Professor of Dance and Director of Director of the  
Department*

B.A., U.C., Los Angeles, 1969;  
M.A., Mills College, 1974.

**STEPHEN SCHECK (1982)**

*Professor of Biology and Associate Dean of Science*

B.S., Fort Hays State University, 1975;  
M.S., Fort Hays University, 1977;  
Ph.D., Iowa State University, 1980.

**DEAN F. SCHEIBEL (1991)**

*Associate Professor of Communication Arts*

B.S., California State University, Northridge, 1975;  
B.A., California State University, Northridge, 1984;  
M.A., California State University, Northridge, 1986;  
Ph.D., Arizona State University, 1991.

**KALA CHAND SEAL (1990)**

*Associate Professor of Computer Information Systems*

B. Tech, India Institute of Technology, 1985;  
M.S., University of Texas, Dallas, 1989;  
Ph.D., University of Texas, Dallas, 1990.

**PATRICK D. SHANAHAN (1996)**

*Assistant Professor of Mathematics*

B.A., California State University, Long Beach, 1990;  
M.S., U.C. Santa Barbara, 1992;  
Ph.D., U.C. Santa Barbara, 1996.

**TIMOTHY D. SHANAHAN (1988)**

*Professor of Philosophy*

B.S./B.A., State University New York, Cortland,  
1983;  
M.A., University of Notre Dame, 1986;  
Ph.D., University of Notre Dame, 1988.

**KAMAL SHOUKRY (1980)**

*Associate Professor of Economics*

B.A., Alexandria University, Egypt, 1957;  
M.A., Alexandria University, Egypt, 1963;  
M.A., University of Southern California, 1971;  
Ph.D., University of Southern California, 1972.

**SANTIAGO SIA (1989)**

*Professor of Philosophy*

*Taylor Professor in Philosophy*

B.A., Divine Word Seminary, Philippines, 1969;  
M.A., Divine Word Seminary, Philippines, 1971;  
B.D., St. Patrick's College, Ireland, 1974;  
Ph.D., Trinity College, 1980.

**GARY P. SIBECK (1965)**

*Professor of Business Law*

B.A., University of Oklahoma, 1951;  
M.A., University of Oklahoma, 1960;  
J.D., University of Oklahoma, 1962;  
Ph.D., University of Southern California, 1971.

**SLOBODAN SIJAN (2000)**

*Assistant Professor of Film and Television*

University of Arts (Yugoslavia), 1970;  
University of Arts (Yugoslavia), 1975.

**JEFFREY S. SIKER (1987)**

*Professor of Theological Studies,*

*Director of the Graduate Program in Theological Studies  
and Pastoral Studies*

B.A., Indiana University, 1976;  
M.A., Indiana University, 1978;  
M.Div., Yale University, 1981.  
Ph.D., Princeton Theological Seminary, 1988.

**ROBERT SINGLETON (1982)**

*Associate Professor of Economics and*

*Chairperson of the Department*

B.A., U.C. Los Angeles, 1960;  
M.A., U.C. Los Angeles, 1962;  
Ph.D., U.C. Los Angeles, 1983.

**WALTER SKYA (1994)**

*Assistant Professor of History*

B.A., University of Washington, 1971;  
M.A., University of Chicago, 1987;  
Ph.D., University of Chicago, 1992.

**DANIEL L. SMITH-CHRISTOPHER (1989)**

*Professor of Theological Studies and  
Director of Peace Studies*

B.A., George Fox College, 1977;  
M. Div., Associated Mennonite Biblical Seminaries,  
1981;  
D. Phil., Oxford, 1986.

**DAVID SMITH (1978)**

*Professor of Mathematics*

B.S., Oklahoma State University, 1971;  
M.S., Oklahoma State University, 1973;  
Ph.D., Oklahoma State University, 1978.

**JAMES SMITH (1999)**

*Assistant Professor of Philosophy*

B.Sc., Emmaus College, 1993;  
M.Phil., Institute for Christian Studies, 1995;  
Ph.D., Villanova University, 1999.

**ANTHONY P. SMULDERS, C.F.M.M. (1970)**

*Professor of Biology*

B.S., Loyola University, Los Angeles, 1966;  
Ph.D., U.C. Los Angeles, 1970.

**CARLOS SPIVEY (1998)**

*Assistant Professor of Communication Arts*

B.A., U.C. Los Angeles, 1981;  
EAP, University of Ghana, 1989;  
M.F.A., U.C. Los Angeles, 1992.

**H. DANIEL STAGE, JR. (1973)**

*Professor of Management*

B.S., Massachusetts Institute of Technology, 1953;  
M.B.A., University of Southern California, 1969;  
D.B.A., University of Southern California, 1976.

**JANIE S. STECKENRIDER (1991)**

*Associate Professor of Political Science*

B.A., University of Illinois, 1976;  
M.A., University of Notre Dame, 1978;  
Ph.D., University of Southern California, 1988.

**JOHN A. STEWART (1989)**

*Professor of Communication Arts*

B.A., U.C. Los Angeles, 1968;  
M.F.A., U.C. Los Angeles, 1970.

**ERNEST S. SWEENEY, S.J. (1972)**

*Professor of History*

A.B., Loyola University, Chicago, 1955;  
Ph.L., West Baden, Germany, 1957;  
M.A., Loyola University, Chicago, 1959;  
S.T.L., Woodstock College, 1964;  
Ph.D., University of Texas, Austin, 1970.

**LELAND C. SWENSON (1973)**

*Professor of Psychology*

B.A., Western Michigan University, 1964;  
M.A., Wayne State University, 1967;  
Ph.D., Wayne State University, 1969.

**LAWRENCE TAI (1990)**

*Professor of Finance*

B.S., Illinois State University, 1974;  
M.B.A., Indiana University, 1976;  
Ph.D., Georgia State University, 1983;  
C.P.A.

**TINA TAKEMOTO (2000)**

*Assistant Professor of Art and Art History*

B.A., U.C. Berkeley;  
M.P.A., Rutgers State University, 1995;  
M.A., University of Rochester, 1997.

**REV. MICHAEL R. TANG (1990)**

*Associate Professor of Art and*

*Chairperson of the Department*

B.A., Loyola Marymount University, 1981;  
M.F.A., School of the Art Institute, Chicago, 1983;  
M.Div., Jesuit School of Theology at Berkeley, 1989;  
Th.M., Jesuit School of Theology at Berkeley, 1990.

**RENATE THIMESTER (1971)**

*Associate Professor of Economics*

Dip. d'Et. de Civ. Francaise Deg. Sup., 1961;  
B.S., University of Alabama, 1963;  
M.S., University of Alabama, 1965;  
Ph.D., University of Alabama, 1967.

**SETH B. THOMPSON (1970)**

*Professor of Political Science and*

*Chairperson of the Department*

B.A., Santa Clara University, 1966;  
M.A., University of Oregon, 1968;  
Ph.D., University of Oregon, 1972.

**JOSEPH S. TIEDEMANN (1977)**

*Professor of History*

B.A., St. Francis College, 1968;  
Ph.D., State University New York, 1977.

**RAYMOND J. TOAL (1986)**

*Associate Professor of Electrical Engineering/Computer  
Science*

B.S., Loyola Marymount University, 1985;  
M.S., Loyola Marymount University, 1986;  
Ph.D., U.C. Los Angeles, 1993.

**HOWARD F. TOWNER (1972)**

*Professor of Biology*

B.A., U.C. Riverside, 1965;  
Ph.D., Stanford University, 1970.

**LAWRENCE A. TRITLE (1978)**

*Professor of History*

B.A., U.C. Los Angeles, 1968;  
M.A., University of South Florida, 1972;  
Ph.D., University of Chicago, 1978.



**WILLIAM TROTT (1974)**

*Professor of Civil Engineering and  
Chairperson of the Department*

B.S., U.C. Los Angeles, 1971;  
M.S., U.C. Los Angeles, 1972;  
Ph.D., U.C. Los Angeles, 1979;  
Registered Professional Engineer.

**NAZMUL ULA (1991)**

*Associate Professor of Electrical Engineering*

B.S., Bangladesh University of Engineering and  
Technology, 1979;  
M.S., University of Wyoming, 1985;  
Ph.D., U.C. Davis, 1991.

**LOUKE VAN WENSVEEN (1991)**

*Associate Professor of Theological Studies*

I.B. United World College of the Atlantic, Wales,  
UK, 1978;  
G.T., Leiden University (Netherlands), 1981;  
A.B., Harvard-Radcliffe, 1983;  
Ph.D., Princeton Theological Seminary, 1987.

**CHARLES VANCE (1985)**

*Professor of Management*

B.S., Brigham Young University, 1975;  
M.A., Brigham Young University, 1977;  
Ph.D., Syracuse University, 1981.

**JEFFREY VANDERWILT (1998)**

*Assistant Professor of Theological Studies*

B.A., Lawrence University, 1984;  
B.Mus., Lawrence University, 1984;  
M.A., University of Notre Dame, 1985;  
Ph.D., University of Notre Dame, 1996.

**GABRIELE VARIESCHI (2000)**

*Assistant Professor of Physics*

B.A., Istituto "LEOME XIII", Italy;  
M.S., U.C. Los Angeles, 1996.

**DIRK VERHEYEN (1989)**

*Associate Professor of Political Science*

B.A., Macalester College, 1978;  
M.A., U.C. Berkeley, 1980;  
Ph.D., U.C. Berkeley, 1988.

**JOHN P. WAGGONER, III (1976)**

*Professor of Biology*

B.A., Duke University, 1965;  
M.S., University of Nebraska, 1967;  
Ph.D., U.C. Los Angeles, 1972.

**R. PATRICIA WALSH (1973)**

*Professor of Psychology*

B.A., University of Maryland, 1968;  
Ph.D., University of Minnesota, 1973.

**JAMES WALTER (1999)**

*Professor of Theological Studies and Austin & Ann O'Malley  
Professor of BioEthics and Theological Studies*

B.A., St. Meinrad College, 1969;  
B.A., Katholieke Universiteit te Leuven, 1970;  
S.T.B., Katholieke Universiteit te Leuven, 1971;  
M.A., Katholieke Universiteit te Leuven, 1971;  
Ph.B., Katholieke Universiteit te Leuven, 1972;  
Ph.D., Katholieke Universiteit te Leuven, 1974.

**ROBIN WANG (1999)**

*Assistant Professor of Philosophy*

B.A., Peking University, 1980;  
M.A., Peking University, 1983;  
M.A., University of Notre Dame, 1988;  
Ph.D., University of Wales, 1998.

**CONNIE J. WEEKS (1986)**

*Professor of Mathematics*

B.S., Harvey Mudd College, 1970;  
M.S., University of Southern California, 1972;  
Ph.D., University of Southern California, 1977.

**ROBERT J. WELCH, S.J. (1969)**

*Associate Professor of Political Science*

A.B., Gonzaga University, 1953;  
M.A., San Francisco University, 1959;  
M.S.T., Santa Clara University, 1961;  
Ph.D., Claremont Graduate School, 1978.

**LAWRENCE WENNER (2000)**

*Professor and Von der Ahe Chair in Communication and Ethics*

B.A., California State University, Northridge, 1976;  
M.A., University of Iowa, 1976;  
Ph.D., University of Iowa, 1977.

**KENNEDY WHEATLEY (2000)**

*Assistant Professor of Film and Television*

B.A., Michigan State University, 1980;  
M.F.A., University of Southern California, 1998.

**THOMAS I. WHITE (1994)**

*Associate Professor of Management, Hilton Professor in  
Business Ethics and Adjunct Professor of Philosophy*

A.B., College of the Holy Cross, 1969;  
M.A., Columbia University, 1970;  
Ph.D., Columbia University, 1974.

**JOHN T. WHOLIHAN (1984)**

*Professor of Management and*

*Dean of the College of Business Administration*

B.S., Notre Dame, 1959;  
M.B.A., Indiana University, 1960;  
Ph.D., American University, 1973.

**JEFFREY L. WILSON (1995)**

*Assistant Professor of Philosophy*

B.A., St. John's College, 1985;  
M.A., Emory University, 1991;  
Ph.D., Emory University, 1995.

**LUCY WILSON (1982)**

*Professor of English*

B.A., Kutztown University, Pennsylvania, 1974;

M.A., Kutztown University, Pennsylvania, 1975;  
Ph.D., Temple University, 1982.

**ROBERT D. WINSOR (1991)**

*Associate Professor of Marketing*

B.A., University of LaVerne, 1982;  
B.A., Claremont McKenna College, 1983;  
Ph.D., University of Southern California, 1989.

**WARREN S. WRIGHT (1967)**

*Professor of Mathematics*

B.A., Pomona College, 1963;  
M.A., University of Southern California, 1965.

**GAIL WRONSKY (1986)**

*Professor of English*

B.A., University of Virginia, 1978;  
M.F.A., University of Virginia, 1981;  
Ph.D., University of Utah, 1986.

**KATERINA ZACHARIA (1999)**

*Assistant Professor of Classics and Archaeology*

B.A., Capodistrian University, 1988;  
M.A., University College of London, 1990;  
Ph.D., University College of London, 1996.

**THOMAS M. ZACHARIAH (1988)**

*Associate Professor of Mathematics*

B.S., Kerala University, 1971;  
M.S., Kerala University, 1973;  
M.A., Claremont Graduate School, 1980;  
Ph.D., Claremont Graduate School, 1984.

**SEID M. ZEKAVAT (1964)**

*Professor of Economics*

B.A., Tehran University, 1955;  
B.A., Pepperdine University, 1960;  
M.A., University of Southern California, 1961;  
Ph.D., University of Southern California, 1964.

**ANATOLY ZHUPLEV (1992)**

*Associate Professor of Management*

B.S., Ordzhonikidze Engineering-Economics  
Institute, Moscow, 1974;  
Ph.D., Moscow Management Institute, 1981.

**DENNIS G. ZILL (1972)**

*Professor of Mathematics*

B.A., St. Mary's College, 1962;  
M.S., Iowa State University, 1962;  
Ph.D., Iowa State University, 1967.

**DONALD ZIRPOLA (1978)**

*Professor of Communication Arts*

B.A., Chapman College, 1970;  
M.F.A., University of Southern California, 1973.

**Adjunct Faculty**

**WILKIE AU**

*Theological Studies*

**ALLAN FIGUEROA DECK, S.J.**

*Theological Studies*

**G. EDWARD EVANS**

*Sociology*

**JOSEPH HAWORTH**

*CIVIL ENGINEERING*

**MARY E. MILLIGAN, R.S.H.M.**

*Theological Studies*

**RICHARD MORRIS**

*Philosophy*

**A. SALEH-JAHROMI**

*Physics*

**ROBERT VANGOR**

*Mathematics*

**University Librarians**

**G. EDWARD EVANS (1987)**

*University Librarian*

B.A., Minnesota, 1959;  
M.A., Minnesota, 1961;  
M.A. in L.S., Minnesota, 1963;  
Ph.D., Illinois, 1969.

**ANTHONY J. AMODEO (1984)**

*Associate Librarian, Reference, and Coordinator,  
Bibliographic Instruction*

B.A., De Paul, 1967;  
M.A.L.S., Rosary, 1981;  
M.A., Loyola Marymount, 1989.

**CYNTHIA BECHT (1995)**

*Special Collections Librarian*

B.A., U.C. Los Angeles, 1987;  
M.L.S., U.C. Los Angeles, 1993.

**MARCIA FINDLEY (1981)**

*Assistant University Librarian for Collection Development*

B.A., Oklahoma, 1961;  
M.L.S., Florida State, 1963.

**GLENN JOHNSON-GRAU**

*Reference Librarian and Networked Resources  
Coordinator*

B.A., U.C. Los Angeles, 1987;  
M.L.S., U.C. Los Angeles, 1994.

**JANET H. LAI (1971)**

*Head Acquisitions/Serials Librarian*

B.A., Tamkang College, 1961;  
M.L.S., Oregon, 1970.

**DEBRA MOORE (1995)**

*Reference Librarian/Circulation Coordinator*

B.A., Oberlin College, 1985,  
M. Div., Andover Newton Theological School, 1988;  
M.L.S., U.C. Los Angeles, 1994.

**RHONDA ROSEN (1987)***Head of Media and Reserve Services*B.A., U.C. Los Angeles, 1977;  
M.L.S., U.C. Los Angeles, 1987.**ELISA SLATER (1999)***Reference Librarian/Reference Collection Coordinator*B.A., U.C. Riverside, 1991;  
M.L.I.S., U.C. Los Angeles, 1999.**CLAY STALLS (2000)***Manuscript Curator/Librarian*B.A., Texas Tech University, 1979;  
Ph.D., U.C. Los Angeles, 1991;  
M.L.I.S., U.C. Los Angeles, 1999.**ERROL WAYNE STEVENS (1994)***Assistant University Librarian for Archives  
and Special Collections*A.B., Indiana , 1966;  
M.A., Indiana ,1970;  
Ph.D., Indiana ,1978.**WALTER WALKER (1996)***Cataloging Librarian*B.A., U.C. Santa Barbara, 1979;  
M.L.S., U.C. Los Angeles, 1990.**SACHI YAGYU (1990)***Head of Reference/Circulation Services*B.A., Minnesota, 1980;  
M.L.S., U.C. Los Angeles, 1990.**NAOMI ZAHAVI (1989)***Head Cataloging Librarian*B.A., U.C. Los Angeles, 1976;  
M.L.S., U.C. Los Angeles, 1988.**Faculty Emeriti****BERNARD V. ABBENE,***Communication Arts***CLINTON E. ALBERTSON, S.J.,***English***ALEX ALOIA,***Education***DONALD R. ANDERSON,***Civil Engineering***WALTER ARLEN,***Music***BOGIDAR AVRAMOV,***Music***VIRGINIA BARNELLE,***Theatre Arts***JAMES G. BOWIE,***Business Administration***ROBERT J. BRAUS,***Theology***JULIUS S. BROWN,***Business Administration***REGINA BUCHHOLZ, S.C.R.H.,***Art***CHARLES BUNKER,***Business Administration***DIANE CALLAHAN,***Education***FRANCIS B. CAROTHERS, JR.,***English***LAMAR CASELLI,***Communication Arts***KENNETH P. CHUANG,***Civil Engineering***ROBERT O. CLEYMAET,***Modern Languages***C. MELVIN DAVIDSON, JR.,***Theatre Arts***ANGELO A. De GENNARO,***Modern Languages & Philosophy***HOWARD R. DELANEY,***Philosophy***DAVID T. FISHER, S.J.,***Theology***WILLIAM F. FITZGERALD,***Political Science***JOHN GARSTKA,***Accounting***PAUL A. GROSCH,***Business Administration***JOHN C. HAGGART,***Business Administration***THOMAS G. HANRAHAN,***Modern Languages***ROGER TIM HAUG,***Civil Engineering***EMMETT JACOBS,***Theatre Arts***FLOYD A. JENKINS, S.J.,***Biology***CARL G. KADNER,***Biology*

**BORIS KAPLAN,**  
*Communication Arts*

**CHARLES J. KAVANAGH, S.J.,**  
*Classics*

**CARROLL KEARLEY,**  
*Philosophy*

**IRVING KESSLER,**  
*Psychology*

**JOHN F. KILLEEN, S.J.,**  
*Economics*

**HERBERT KINDLER,**  
*Business Administration*

**HELEN LANDGARTEN,**  
*Marital and Family Therapy*

**LEON LEVITT,**  
*Business Administration*

**SARA LIEBERMAN,**  
*Psychology*

**ALFRED LIGHTFOOT,**  
*Education*

**RODERICK MACLEOD,**  
*Chemistry*

**TERRENCE MAHAN, S.J.,**  
*History*

**PAULINE KHURI MAJOLI,**  
*Art*

**M. RAYMUDE MCKAY, R.S.H.M.,**  
*Economics*

**WADE A. PETERSON,**  
*Mathematics*

**CLAIRE PFENNIGER,**  
*Modern Languages*

**THOMAS D. PITTS,**  
*Biology*

**HAYDEE TYRRELL-REIGADAS,**  
*Modern Languages*

**MARY LUKE REILAND, O.P.,**  
*Education*

**ROBERT L. RITTER,**  
*Mechanical Engineering*

**LUCIEN RICO,**  
*Modern Languages*

**PAUL SALAMUNOVICH,**  
*Music*

**PAUL SCHUMANN,**  
*Education*

**WARREN SHERLOCK,**  
*Communication Arts*

**JOSEPH B. STONE,**  
*Communication Arts*

**CAROL SULLIVAN,**  
*History*

**ROBERT H. TAYLOR, S.J.,**  
*Philosophy*

**ANTHONY F. TURHOLLOW,**  
*History*

**HAYDEE TYREELL-REIGADAS,**  
*Modern Languages*

**GENEVIEVE UNDERWOOD, R.S.H.M.,**  
*Art*

**CLARENCE J. WALLEN, S.J.,**  
*Mathematics*

**HANFORD E. WECKBACH, S.J.,**  
*Physics*

**RICHARD L. WILLIAMSON,**  
*Business Administration*

---

# Index

## A

Academic Advising .....	41
Academic Awards .....	54
Academic Calendar .....	4, 41
Academic Degrees and Programs .....	38
Academic Disqualification .....	42
Academic Grievances and Appeals .....	42
Academic Honesty and Integrity .....	42
Academic Persistence Program .....	355
Academic Probation .....	42
Academic Programs and Services .....	49
Academic Scholars .....	13
Acceptance Notification .....	13
Accounting .....	174
Accreditation and Membership .....	9
Address, Change of .....	43
Address, Change of .....	43
Administration .....	367
Academic Affairs .....	367
Business Administration .....	167
Business and Finance .....	368
Campus Ministry .....	369
Communication and Fine Arts .....	268
Education .....	330
Facilities Management .....	369
Liberal Arts .....	59
President and Staff .....	367
Regents .....	366
School of Law .....	369
Science and Engineering .....	189
Student Affairs .....	368
Trustees .....	365
University Relations .....	369
Admission .....	13
Advanced Credit .....	15
Advanced Placement .....	16
Aerospace Studies .....	347
African American Studies .....	63
Alcohol-Drug Studies .....	66
Alumni Association .....	358
American Cultures Studies .....	68
Animation .....	314
Apartments .....	28
Archaeology and Classics .....	77

Art and Art History .....	271
Asian and Pacific Studies .....	69
Asian Pacific American Studies .....	72
Asian Pacific Student Services .....	355
Associated Students LMU .....	356
Athletic Program and Facilities .....	353, 361
Attendance .....	42
Auditing a Course .....	42

## B

Bellarmino College of Liberal Arts .....	59
Biochemistry .....	207
Biology .....	195
Black Student Services, Office of .....	355
Business Administration, College of .....	167
Business Law .....	182

## C

Calendar, Academic .....	4
Caloyeras, Basil P., Center for Modern Greek Studi52	
Campus Activities Portfolio (CAP) .....	356
Campus Map .....	362
Campus Media .....	358
Campus Ministry .....	354
Campus Recreation .....	355
Cancellation, Refunds and .....	30
Career Development and Placement .....	354
Center for Community Service and Action .....	356
Certificate Programs .....	40
Change of Grades .....	44
Change of Major .....	46
Chapel, Sacred Heart .....	361
Chemistry and Biochemistry .....	207
Chicana/o Studies .....	74
Chicano Latino Student Services .....	355
China Program, Jesuit .....	51
Chinese .....	116
Civil Engineering and Environmental Science .....	216
Classical Civilizations .....	80
Classics and Archaeology .....	77
Classification of Courses .....	43
Classification of Students .....	43
College of Business Administration .....	167
College of Communication and Fine Arts .....	268

College of Liberal Arts, Bellarmine .....	59	Faculty .....	371
College of Science and Engineering .....	189	Fees, Tuition and .....	28
Commencement Honors .....	54	Film Production .....	317
Commitment Deposit .....	14	Final Examinations .....	44
Communication and Fine Arts, College of .....	268	Finance .....	176
Communication Studies .....	283	Financial Aid .....	17
Computer Information Systems .....	176	Food Service .....	28
Computer Science .....	223	Foreign Literature in English Translation .....	117
Continuing Education .....	52	French .....	117
Core Curriculum .....	34	Full Time Standing, Academic .....	44
Counseling Services .....	354	Full-Time Standing, Financial Aid .....	17
Course Load .....	43		
Credential Programs .....	40	<b>G</b>	
Credit by Challenge Examination .....	43	General Engineering .....	236
Credit/No Credit Grading .....	43	Geography .....	101
Cross Listed Courses .....	44	German .....	119
		Grade Appeals .....	44
<b>D</b>		Grade, Change of .....	44
Dance .....	287	Grade Point Average .....	45
Dean's List .....	54	Grading System .....	45
Degree Requirements and Policies .....	41	Graduation Rate .....	45
Degrees as Graduate and Law Degree .....	39	Grants .....	19
Diploma .....	44	Greek, Classical (see Classics) .....	78
Disability Support Services .....	50	Greek, Modern .....	123
Disqualification, Academic .....	42		
Double Credit .....	44	<b>H</b>	
Double Major .....	46	Health Services .....	354
Drop of Course (see Withdrawal) .....	48	Help Desk .....	53
		Hispanic Business Studies .....	173
<b>E</b>		History .....	102
Early Admission .....	15	History and Goals of the University .....	9
Economics .....	84	Honors at Commencement .....	54
Education .....		Honors at Entrance .....	13
Elementary Education .....	331	Honors Program .....	49, 350
Secondary Education .....	333	Housing, Student .....	14, 353
Special Education .....	335	Humanities .....	110
Education, School of .....	330		
Educational Privacy Rights .....	46	<b>I</b>	
El Playano Publication .....	358	Incomplete Course Work .....	45
Electrical Engineering and Computer Science .....	223	Independent Studies .....	43, 45
Employment, Student .....	19	Individualized Studies Program .....	49
Encore Program .....	51	Information Services .....	53
Engineering Physics .....	261	Intercultural Affairs .....	355
English .....	89	Interdisciplinary Arts and Media .....	294
Environmental Science .....	216	International Programs .....	51
European Studies .....	99	International Student Admission .....	15
		International Students and Scholars .....	356
<b>F</b>		Irish Studies .....	111
Facilities .....	360	Italian .....	121

**J**

Japanese ..... 123  
 Jesuit China Program ..... 51  
 Jesuit Honor Society ..... 54

**K**

KXLU Radio Station ..... 358

**L**

Latin (see Classics) ..... 79  
 Law Degree ..... 40  
 Law School ..... 361  
 Leadership Scholars ..... 19  
 Learning Resource Center ..... 50  
 Leave of Absence ..... 45  
 Legal Responsibility, University ..... 359  
 Liberal Arts, Bellarmine College of ..... 114  
 Liberal Studies ..... 115  
 Library ..... 50  
 Loans ..... 20  
 Los Angeles Loyolan ..... 358

**M**

Magis Leadership Preparation Program ..... 356  
 Mailing Addresses ..... 3  
 Major ..... 46  
 Major Programs ..... 38  
 Management ..... 179  
 Maps ..... 362  
 Marketing and Business Law ..... 182  
 Mathematics ..... 238  
 Mechanical Engineering ..... 245  
 Medical Examination and Insurance ..... 14, 353  
 Membership, Accreditation and ..... 10  
 Mid-Term Deficiencies ..... 45  
 Ministry, Campus ..... 354  
 Minor ..... 46  
 Minor Programs ..... 39  
 Modern Greek Studies ..... 52, 123  
 Modern Greek Studies, Basil P. Caloyeras Center fo  
 82  
 Modern Languages and Literatures ..... 116  
 Motor Vehicle Registration ..... 359  
 Music ..... 295  
 Music, Applied ..... 296  
 Music, Ensembles ..... 297

**N**

Natural Science ..... 251  
 New Europe Program ..... 51  
 Non-Degree Students ..... 15

**O**

Office for International Students and Scholars .. 356  
 Office of Black Student Services ..... 355  
 Organizations, University ..... 358  
 Orientation ..... 50

**P**

Parents Association ..... 359  
 Payment Plan ..... 30  
 Peace Studies ..... 130  
 Philosophy ..... 131  
 Phone Numbers ..... 3  
 Physics and Engineering Physics ..... 261  
 Policies and Procedures, University ..... 359  
 Political Science ..... 136  
 Pre-Health Studies ..... 49  
 Pre-Law Studies ..... 49  
 Presidential Scholars, Trustee and ..... 19  
 President's Report ..... 358  
 Pride of Lions ..... 359  
 Privacy Rights of Students ..... 46  
 Probation, Academic ..... 42  
 Probation, Financial Aid ..... 17  
 Psychology ..... 142

**R**

Readmission after Disqualification ..... 42  
 Recommended Subjects for Admission ..... 13  
 Recording Arts ..... 321  
 Recreational Sports ..... 355  
 Refunds and Cancellation ..... 30  
 Regents of the University ..... 366  
 Registration ..... 47  
 Repeating Courses ..... 47  
 Residence Halls ..... 28, 360  
 Room and Board Plans ..... 28  
 ROTC Programs ..... 50

**S**

Scholarships ..... 18, 21  
 School of Education ..... 330  
 School of Film and Television ..... 313

Science and Engineering, College of .....	189
Screenwriting .....	324
Second Baccalaureate Degree .....	41
Sickness Insurance .....	30
Sociology .....	148
Spanish .....	124
Special Studies .....	43
Standards of Conduct .....	359
Student Activities .....	356
Student Affairs .....	353
Student Employment .....	19
Student Health Services .....	354
Student Housing .....	353
Student Life .....	355
Student Organizations .....	356
Student Records .....	31, 46
Summer Programs .....	52
Summer Session .....	52

---

## T

Table of Contents .....	2
Tagalog .....	127
Television Production .....	326
Theatre Arts .....	306
Theological Studies .....	154
Tourism and Travel .....	186
Tower Yearbook .....	358
Transcript of Student Record .....	47
Transfer Credit .....	48
Transfer Student Admission .....	14
Trustee and Presidential Scholars .....	19
Trustees of the University .....	365
Tuition and Fees .....	28
Tutorials .....	48

---

## U

University Academic Awards .....	54
University Administration .....	367
University Facilities .....	360
University Faculty .....	370
University Libraries .....	50
University Organizations .....	358
University Phone Numbers .....	3
University Property .....	359
University Regents .....	366
University Trustees .....	365
Upper Division Courses .....	48
Urban Studies .....	160

---

## V

Veteran's Eligibility .....	30
Vistas Publication .....	358

---

## W

Withdrawal from Courses .....	48
Withdrawal from the University .....	48
Women's Studies .....	162

---



---

Loyola Marymount University does not discriminate on the basis of race, color, national origin, sex, handicap, or age. Loyola Marymount University seeks compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and section 504 of the Rehabilitation Act of 1973 which respectively prohibit discrimination. Inquiries regarding these issues may be directed to the Vice President for Student Affairs. Students desirous of filing a complaint should contact the Vice President for Student Affairs.

**Loyola Marymount University**

*(USPS 866-380)*

VOLUME 70, NUMBER 2, MAY 2000

PUBLISHED SEVEN TIMES A YEAR, FEBRUARY, MAY, JUNE, JULY, AUGUST, SEPTEMBER AND NOVEMBER BY LOYOLA MARYMOUNT UNIVERSITY, 7900 LOYOLA BOULEVARD, LOS ANGELES, CALIFORNIA 90045. PERIODICALS POSTAGE PAID AT LOS ANGELES.

**POSTMASTER:** SEND ADDRESS CHANGES TO LOYOLA MARYMOUNT UNIVERSITY, 7900 LOYOLA BOULEVARD, LOS ANGELES, CALIFORNIA 90045-2699.

---



