
Undergraduate Bulletin

2002-2003



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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 Student Affairs	338-2885
Vice President for University Relations	338-5127

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One LMU Drive
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
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Mailing Addresses:

Academic Calendar 2002-2003

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

Fall 2002

AUG 21	W	TRANSFER STUDENT ORIENTATION
AUG 24	S	NEW STUDENT GRADUATE ORIENTATION
AUG 24-27	S-T	UNDERGRADUATE WELCOME DAYS!
AUG 26	M	CLASSES BEGIN
AUG 30	F	LAST DAY: LATE REGISTRATION AND CHANGE OF PROGRAM
SEP 2	M	UNIVERSITY HOLIDAY - LABOR DAY
SEP 13	F	LAST DAY: UNDERGRADUATE STUDENTS: REMOVE SPRING/SUMMER INCOMPLETES
SEP 24	T	PRESIDENT'S CONVOCATION: HILTON 100, 12:15 P.M.
SEP 25	W	LAST DAY: STUDENTS TO FILE APPLICATION FOR DECEMBER GRADUATION DATE
SEP 26	R	MASS OF THE HOLY SPIRIT: CHAPEL NOON (CLASSES END AT 11:45 A.M., RESUME AT 1:30 P.M.)
SEP 27	F	LAST DAY: INSTRUCTORS REMOVE INCOMPLETES: SPRING AND SUMMER SEMESTERS
OCT 11	F	MID-TERM DEFICIENCY GRADES DUE IN OFFICE OF THE REGISTRAR
OCT 21-22	M-T	UNDERGRADUATE HOLIDAYS
NOV 1	F	LAST DAY TO WITHDRAW OR APPLY FOR CREDIT/NO CREDIT GRADING
NOV 3	U	UNIVERSITY OPEN HOUSE
NOV 11	M	ACADEMIC ADVISEMENT AND ADVANCE REGISTRATION: SPRING SEMESTER
NOV 28-29	R-F	UNIVERSITY HOLIDAYS - THANKSGIVING
DEC 9	M	REGISTRATION BEGINS FOR NEW STUDENTS FOR SPRING
DEC 9-13	M-F	FINAL EXAMINATIONS
DEC 18	W	FINAL GRADES DUE IN THE OFFICE OF THE REGISTRAR AT 12 NOON
DEC 23-JAN 1	M-W	CHRISTMAS HOLIDAYS, ADMINISTRATIVE OFFICES CLOSED

Spring 2003

JAN 2	R	ADMINISTRATIVE OFFICES REOPEN
JAN 14	T	UNDERGRADUATE ORIENTATION
JAN 15	W	CLASSES BEGIN AND NEW STUDENT ORIENTATION
JAN 17	F	LAST DAY: STUDENTS TO FILE FOR MAY COMMENCEMENT
JAN 20	M	UNIVERSITY HOLIDAY - MARTIN LUTHER KING DAY
JAN 22	W	LAST DAY: LATE REGISTRATION AND CHANGE OF PROGRAM
JAN 31	F	LAST DAY: UNDERGRADUATE STUDENTS: REMOVE FALL INCOMPLETES
FEB 14	F	LAST DAY: INSTRUCTORS TO REMOVE INCOMPLETES: FALL SEMESTER
FEB 28	F	MID-TERM DEFICIENCY GRADES DUE IN OFFICE OF THE REGISTRAR
MAR 3-7	M-F	SPRING BREAK

MAR 10	M	SUMMER SESSION REGISTRATION BEGINS
MAR 21	F	LAST DAY TO WITHDRAW OR APPLY FOR CREDIT/NO CREDIT GRADING
MAR 31	M	UNIVERSITY HOLIDAY - CESAR CHAVEZ DAY
APR 1	T	ACADEMIC ADVISEMENT AND ADVANCE REGISTRATION: FALL SEMESTER
APR 10	R	ACADEMIC AWARDS CONVOCATION: SACRED HEART CHAPEL, 3:15 P.M.
APR 18	F	UNIVERSITY HOLIDAY - GOOD FRIDAY
MAY 5-9	M-F	FINAL EXAMINATIONS
MAY 9	F	BACCALAUREATE MASS: GERSTEN PAVILION, 7:30 P.M.
MAY 10	S	UNDERGRADUATE COMMENCEMENT EXERCISES: SUNKEN GARDEN, 10:00 A.M.
MAY 11	U	GRADUATE COMMENCEMENT EXERCISES: GERSTEN PAVILION, 10:00 A.M.
MAY 14	W	FINAL GRADES DUE IN THE OFFICE OF THE REGISTRAR AT 12 NOON

Summer 2003

Session I

MAY 19	M	SESSION BEGINS
MAY 23	F	LAST DAY FOR LATE REGISTRATION OR CHANGE OF PROGRAM
MAY 26	M	UNIVERSITY HOLIDAY
JUN 13	F	LAST DAY TO WITHDRAW OR APPLY FOR CREDIT/NO CREDIT GRADING
JUN 27	F	SESSION ENDS
JUL 2	W	FINAL GRADES DUE IN THE OFFICE OF THE REGISTRAR

Session II

JUN 30	M	SESSION BEGINS
JUL 4	F	UNIVERSITY HOLIDAY
JUL 7	M	LAST DAY FOR LATE REGISTRATION OR CHANGE OF PROGRAM
JUL 25	F	LAST DAY TO WITHDRAW OR APPLY FOR CREDIT/NO CREDIT GRADING
AUG 8	F	SESSION ENDS
AUG 13	W	FINAL GRADES DUE IN THE OFFICE OF 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.

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

University Mission Statement

Loyola Marymount University is dedicated to the education and development of the whole person, the pursuit of academic excellence, advancement of scholarship, the service of faith, and the promotion of justice. As a Catholic institution, the University takes its fundamental inspiration from the Jesuit and Marymount traditions of its founding religious orders. Loyola Marymount University seeks to foster in each member of its community respect for the dignity of the individual, a devotion to intellectual and spiritual life, an appreciation for diversity, and a thirst for justice in all endeavors. Loyola Marymount University strives to send forth "men and women for others," to lead and to serve.

Therefore the University pursues quality in:

Curricula of All Academic Programs

Instruction in all disciplines and courses is to be challenging, intellectually stimulating, and current, including discussion, conducted in an atmosphere of academic freedom, of the important moral and other value questions of contemporary

society; students are to acquire skills, knowledge, and the ability to use their skills and knowledge creatively now and in the future.

The undergraduate core curriculum is to be structured, integrated, and centered on the humanities especially philosophy and Catholic theology; students are to acquire the arts of precise and elegant expression, a sound and critical grasp of ideas, a familiarity with the modern world's ways of knowing itself, a personal understanding of this nation's history and multicultural heritage, and an appreciation of other cultures around the globe.

Concentrations in the liberal arts and sciences as well as in carefully-selected pre-professional programs are to give students not only technical knowledge and expertise, but also awareness of the larger human context which calls them to use their competencies for personal growth and service to others; similarly, the University's commitment to graduate and professional education is aimed at the formation of men and women of competence and conscience.

Co-curricular Programs and Support Services

Other campus activities - resident life, clubs and organizations, recreational and sports programs, social events, counseling and health services - are to complement academic pursuits; students are to have opportunities, experiences, and responsibilities that will assist and guide their struggle to become fully human.

University life as a whole is to be open to the subtle presence and activity of God, God's Word and Spirit; students are to find a campus environment, reinforced by specific programs, that nourishes faith and contemplation, seeks the integration of reason and faith, the religious and secular, and recognizes the implications of faith for right conduct and service.

All offices of the University - academic, student life, business, university relations, facilities management, campus ministry - are to be supportive of the University's efforts to graduate intelligent, faith-filled men and women for others.

Faculty, Administration, and Staff

The University is to recruit faculty who are supportive of its mission and goals, well-educated, well-trained in their fields, diverse, and committed to excellence in the classroom, significant scholarship and contributions to their disciplines; the University is to assist individual faculty members with the challenge of combining in one life dedicated teaching, close relationships with students, collegiality, and scholarly activity and achievement.

The University is to recruit and develop administrators and staff, of diverse backgrounds, who are supportive of its missions and goals, skilled, dedicated to their work, and collegial.

Students are to find in all who labor on behalf of the University examples of generosity, service, and personal integrity.

Students

The University is to recruit and attract literate, capable students, as academically prepared as possible, who are comfortable with its mission and goals, eager to study and to participate in campus life, searching to discover and follow a worthwhile direction for their own lives; the mix of the student body - interests, special talents, geographic origin, socioeconomic class, and, particularly, ethnicity - is to be as varied as reasonable and possible, manifesting always the biblical option for the poor.

From admission to commencement, inside and outside the classroom, the University is to encourage and challenge students as individuals to liberate their own minds and hearts and to develop their God-given abilities for service to others and God's greater glory.

The University is always to measure and judge its success with students by their lives as alumni - the quality of their personal lives, of their careers, of their influence and leadership, of their accomplishments.

Campus Life, Hospitality, and Service

All on campus - faculty, administration and staff, students - are to collaborate and share responsibility for the formation of an academic community based on mutual respect, friendship, and a shared commitment to the University's mission and goals; all are to expect from one another good work, disciplined behavior, and courtesy.

The University community is to be open and welcoming to others from off-campus who visit for intellectual stimulation and reflection, artistic events and programs, worship, or relaxation and recreation; those invited are to include, especially, alumni, parents and families, benefactors and friends, professional colleagues, neighbors, and church members, but also others whom the University can appropriately serve with its facilities, buildings, and grounds. The University is to be known not only as an intellectual and cultural center which others can visit, but also as one which sends its members - faculty, administration and staff, students - into the community to learn, to teach, to minister, to labor, to participate in and lead efforts to create a more rational, faith-filled, just society.

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 of the Accreditation Board for Engineering and Technology
Address: 111 Market Place, Suite 1050
Baltimore, MD 21202-4012
Telephone: (410) 347-7700

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
Telephone: (510) 748-9001

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 Colleges for Teacher Education

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

Association of Jesuit Colleges and Universities

Association of Theological Schools

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

National Intramural Recreational Sports Association

National Society of Experiential Education

North American Association of Summer Sessions

NPSE—National Society of Professional Engineers

Organization of Counseling Center Directors in Higher Education

Pacific Association of Collegiate Registrars and Admissions Officers

Southern California International Careers Consortium

Western Association of College and University Housing Officers

Western Association of Colleges and Employers

Western Association of Graduate Schools

Western Association of Student Employment Administration

Western Association of Student Financial Aid Administration

Western Association of Summer Session Administrators

Western Regional Honors Council

University Facilities



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 1985, houses Computer Science and Engineering faculty, classrooms, and laboratories.

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.

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, 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, the Natural Science program, classrooms, the PRESS office, Science and Engineering labs, and faculty offices.

Pereira Hall, erected in 1955, houses the College of Science and Engineering Dean's offices, classrooms, faculty offices, computer labs, and engineering labs.

Research Annex, erected in 1970, houses faculty offices and labs for the College of Science and Engineering.

West Hall was erected in 1968 at the time of the Loyola Marymount affiliation. This structure houses classrooms and offices.

Administrative

The Harry & Kathleen Daum Hall, on the east side of campus, was erected in 1998 and houses Facilities Planning, Public Safety, and Environmental Health and Safety on the first floor. The Learning Resource Center will move to the second floor.

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, student dining, bookstore, Center for Service and Action, Student Development Services, Molly Malone's, and conference rooms.

University Hall, opened in 2000, houses University Administration, classrooms, faculty administration, an auditorium, dining facilities, Campus Graphics, and the following staff departments: University Relations, Human Resources, Continuing Education and Summer Session, Career Development Services, Distribution Center, Information Services administrative offices, Controller's Office, Graduate Admissions, Center for Study of Los Angeles, Marymount Center, and Academic Grants Office.

Xavier Hall, one of the first buildings constructed on this campus in the 1920s, is home to the Office of Financial Aid, Undergraduate 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 and houses the Ignatian Center for Spirituality, a chapel, and the faculty/staff club.

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 and women.

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, plus the Student Health Center and Student Psychological Services.

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 Apartments, and McKay residence hall, provides the southern campus with an informal, comfortable location to host a variety of events. Hannon Loft was built in 1978 and renovated in 1994.

Within the Father Lorenzo Malone, S.J., building is Molly Malone's. This recreation area provides all members of the LMU Community with a place to break the monotony of everyday life with refreshing drinks, snacks, pool, and gatherings. The Corner Pocket is open six 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 in which 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.

University Services



University Services

Campus Ministry

Director: Fernando Moreno

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.

Center for Ignatian Spirituality

Director: Rev. Thomas Powers, S.J.

The Center for Ignatian Spirituality exists to promote the integration of Ignatian spirituality with the life of the University. It serves as a resource for those seeking to develop a personal spirituality, one rooted in an ever-deepening commitment to the service of faith and the promotion of justice. For more than four-and-a-half centuries, Ignatian spirituality has stood radically open to the diverse ways in which God enters the history of individuals and groups.

The Center has four main goals:

- To develop programs that enable the faculty and staff to grow in knowledge and experience of Ignatian education and spirituality;
- To assist those members of the faculty and staff who desire to integrate Ignatian values more deeply into their professional and personal lives;
- To encourage and support faculty and staff members to assume leadership roles in these spiritual endeavors within their college, department, and division; and
- To serve as a resource for all members of the University community interested in Ignatian values.

The Center can be reached at (310) 258-8695.

Marymount Institute for Faith, Culture, and the Arts

Director: Renée Harrangue

The Marymount Institute for Faith, Culture, and the Arts preserves the transformative educational tradition of the Religious of the Sacred Heart of Mary and promotes a dialogue between faith and culture as expressed in fine, performing, literary, and communication arts.

The Institute strengthens the contributions of the Marymount tradition and legacy to the Loyola Marymount University community and the larger society. It does this by encouraging interdisciplinary and intercultural scholarly and artistic activity in the form of research and publication, exhibits, performances, conferences, seminars, and lectures.

The Marymount Center is located on the third floor of University Hall and may be reached at (310) 338-4570.

Food Services

Sodexo, the dining service of the LMU community, provides a program that strives to meet the nutritional needs of its student population. There are several dining areas on campus that offer flexible hours, in settings that complement and enhance the dining experience.

Call (310) 338-2977 for more information.

The Lair Marketplace

This dining location in Malone Student Center provides menu selections such as fresh fruits, soups, salad bar, pastas, vegan-only items, hot meals, foods to go, and ice creams.

Hours of operation:

Monday-Thursday: 7:30 a.m.-12:30 a.m.

Friday: 7:30 a.m.-9:00 p.m.

Saturday: 8:00 a.m.-9:00 p.m.

Sunday: 10:00 a.m.-10:00 p.m.

Jamba Juice

A new addition to the campus, Jamba Juice offers fresh fruit and smoothies. It is located next door to the Lair Marketplace.

Hours of operation:

Monday-Thursday: 7:30 a.m.-9:30 p.m.

Friday: 7:30 a.m.-9:00 p.m.

Saturday: 9:30 a.m.-9:00 p.m.

Sunday: 9:30 a.m.-9:30 p.m.

University Hall Dining Commons

Located in University Hall, the Dining Commons features The Deli, Signature Salads, The Carvery, and Foods To Go.

Hours of operation:

Monday-Thursday: 7:30 a.m.-7:30 p.m.

Friday: 7:30 a.m.-4:00 p.m.

Lion's Café

This full-service coffee bar, located on Alumni Mall, offers cappuccino and blended mochas.

Hours of operation:

Monday-Thursday: 7:30 a.m.-9:30 p.m.

Friday: 7:30 a.m.-4:00 p.m.

Lion's Corner Café

This café offers an array of coffee drinks, as well as sandwiches and soups to go. The Lion's Corner Café is located on the first floor of University Hall.

Hours of operation:

Monday-Thursday: 7:30 a.m.-9:00 p.m.

Friday: 7:30 a.m.-5:00 p.m.

The Lion's Den

Located adjacent to the LMU Bookstore, the Lion's Den serves espresso, café latte, or coffee in a café-style setting.

Information Technology Services

<http://its.lmu.edu/>

Information Technology Services (ITS) provides management and services in support of the University's information technology resources. These resources include the campus network and telecommunications systems, computer labs,

computer centers, administrative information systems, and web and instructional technology services. ITS provides these services in an effort to enhance the intellectual life and experience of students and the University community and to provide for efficient technology operations.

In order to achieve the highest levels of service, support, resources, and technology innovation, the University has partnered with CollegisEduprise, a provider of diversified business, technology, and curriculum services to higher education.

The ITS department's services include the support of the technical infrastructure of campus networks and computer workstations, computer labs, data centers, web-based services, registration systems, technical training and instructional technology, classroom management, and other academic and administrative systems.

The ITS department has two primary locations on campus as well as several distributed offices and functions throughout the campus. The main administrative offices are located in University Hall, Suite 2110, and in the basement of the Hilton Center for Business. The Student Help Desk is located on the first floor of the St. Robert's Annex.

The information provided in the following sections of this Bulletin is intended to provide a snapshot of services and resources provided for students, faculty, and staff.

Information Technology Handbook

The *LMU Handbook of Information Technology* is a "one-stop" source of information regarding ITS policies, services, guidelines, and procedures. It features topics that cover the ITS department and IT services provided by the library. In addition, the *Handbook* addresses areas relating to Internet access and community resource policies for students, faculty, and staff. The *Handbook* is available online at <http://its.lmu.edu/handbook/>.

ITS Help Desk

ITS provides specialized Help Desk services to provide students, faculty, and staff with technical support as follows:

Student Help Desk

The Student Help Desk is located in the Business Services Suite in St. Robert's Annex. This student service provides computing, network, and communications support for LMU students. This single point of contact is a convenient way for students to request assistance for technical issues, including network accounts, e-mail, telephone, and voicemail.

ITS is unable to provide hardware support for student-owned computer equipment and recommends students contact the original manufacturer or retailer for such support.

The Student Help Desk is open Monday-Friday from 8:00 a.m. to 5:00 p.m., with extended hours until 7:00 p.m. on Wednesdays and may be contacted via telephone at (310) 338-7777 (the on-campus extension is 87777), or via e-mail at studenthelp@lmu.edu.

Faculty and Staff Help Desk

The ITS Faculty and Staff Help Desk provides telephone assistance and service request processing for academic and administrative services provided by ITS. LMU faculty and staff may place a service request by visiting the reception window on the lower level of the Hilton Center for Business, via the web-based Help Desk Online system at <http://is.lmu.edu/>, via e-mail at helpdesk@lmu.edu, or via telephone at (310) 338-7777 (the on-campus extension is 87777).

Student E-Mail and Network Access

The campus-wide network is available to all LMU students. Upon enrollment and registration, an LMU student is automatically assigned an e-mail address and a network account.

The network allows students to access services like PROWL (the on-line registration system), library databases, the Internet, and other services.

There are no fees associated with using the campus network, and all accounts are password-protected. Most systems, such as e-mail, are web-based and available from off-campus also.

Questions regarding account activation or use should be directed to the Student Help Desk, located on the first floor of St. Robert's Annex, via telephone at (310) 338-7777, or via e-mail at studenthelp@lmu.edu.

Student Telecommunications

Long distance service from LMU student residence halls and apartments is provided by AT&T's ACUSTM service. Students are assigned a personal security code to access outside lines from their rooms or apartments and receive their own itemized telephone bill each month.

Computer Labs and Villages

The University provides technology access to students throughout the campus with its three general-purpose computer labs and 31 area-specific and specialty labs. Students may contact the Student Lab Coordinator at (310) 338-4489 for more information.

General Purpose Labs

Maintained by ITS, the general-purpose labs have either Windows- or Mac-based workstations, offer extended hours, contain at least 20 workstations, and provide access to a variety of popular software programs. The locations of the general-purpose labs include: the lower level of St. Robert's

Hall, the lower level of Von der Ahe Library, and the first floor of Seaver Hall.

Specialty Labs and Computer Villages

In addition to the general-purpose labs, many academic departments provide discipline-specific computer resources and training labs. These labs vary in size and function and often use specialty software for e-learning, research, and training. The computer village areas are located within academic departments in University Hall. In addition to spacious working areas, these villages provide a social dimension to workstation computing where students and faculty can interact and integrate technology into the educational experience.

Classroom Management

ITS Classroom Management supports classroom-based, instructional technology equipment including: classroom computers, projectors, VCRs, audio-visual equipment, and laptops. In addition, support is provided for classroom furniture, consumables, environmental control, and housekeeping needs. The Classroom Management Office (CMO) has a student intern staff that is trained to provide timely and responsive assistance to faculty in support of instructional technology. For more information, contact CMO via telephone at (310) 338-1735 or via e-mail at classroom@lmu.edu.

Other ITS Services for Students

Blackboard

ITS supports the use of *Blackboard*, an environment for on-line teaching, learning, and collaboration. Blackboard is utilized by many LMU faculty and is available on-line at <http://blackboardweb.lmu.edu>. Students are automatically assigned accounts upon registration.

PROWL

The Personal Records Online Web Link provides faculty and students with secure web-based access to class registration, grades, and other information maintained by the Office of the Registrar. The web address to the PROWL system is <http://www.lmu.edu/prowl/>.

Student Web Pages

LMU Students are invited to create and post their own personal websites. This is coordinated through the ASLMU Web Development Office located in the ASLMU Malone offices. In addition to web space on the <http://aslm.lmu.edu/> server, students have access to the hardware and software resources in the ASLMU Web Development Office on an hourly reservation basis. Please contact ASLMU for further details.

Loyola Marymount University Children's Center

Director: Anita Velasquez

The Loyola Marymount University Children's Center was established to address the child day care needs of the University community. The LMUCC is an on-site, employer-sponsored non-profit organization dedicated to quality care for children of all those who make up the LMU and the greater Westchester communities. Care is made available for children of the faculty, staff, and students, with a limited number of spaces available to alumni, qualified on-campus employees of University service contractors, and neighborhood residents. In keeping with the Jesuit and Marymount traditions, we strive to meet the needs of the community of which we are a part by incorporating diversity into a values-centered curriculum.

The Center's early childhood professionals are committed to educating the whole child—socially, emotionally, physically, and intellectually—to set the stage for life-long learning. Based on developmentally appropriate practice, the curriculum focuses on play, creativity, and hands-on discovery learning for children 6 weeks to 11 years of age. Our intention is to be a model of quality Early Childhood Education programs for the communities we serve.

Contact (310) 338-2319 for more information.

Public Safety

Director: Ray Hilyar

The Public Safety Office is located in Daum Hall and is open seven days a week, 24 hours a day. Lost and found is located here.

Public Safety may be contacted by phone at (310) 338-2893. In case of emergency, dial 222 from any on-campus phone.

University Bookstore

Books, sundry items, school spirit clothing, and gifts are available through the University Bookstore. The operating hours during the academic year are: Monday-Thursday, 7:45 a.m.-7:00 p.m.; Friday, 7:45 a.m.-5:00 p.m.; Saturday, 9:00 a.m.-3:00 p.m.; and closed on Sundays.

The main campus store is located on the ground floor of the Malone Student Center. There is also an annex, selling snacks and gift items, located on the first floor of University Hall.

Shop 24 hours a day at <http://www.efollett.com>.

University Media

L.A. Miscellany

The University literary magazine is known as *L.A. Miscellany*. 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.

President's Report

This annual report highlights activities and accomplishments of the past year.

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.

University Organizations

LionsFund

Focused on providing a well-rounded educational experience, LionsFund supports our student-athletes' quest for excellence through scholarships and team support. Gifts to the LionsFund assist to provide the resources needed for LMU student-athletes to achieve the highest possible level of success both athletically and academically. Supporting each of LMU's 17 intercollegiate athletic teams, LionsFund is a vital part of the University's ability to compete at the NCAA Division I level.

The LionsFund Council is a volunteer council, which assists to support LMU Athletics and student-athletes through annual advancement, fundraising, and direct outreach to increase support for the LionsFund. Donor benefits include special events, personal contact, and the opportunity to purchase priority seating for home Lions games. For additional information, please contact the Annual Support Office for Athletic Giving at (310) 338-2908 or by e-mailing golions@lmu.edu.

Loyola Marymount University Parents Association

The LMU Parents Association is an informal organization of all LMU parents. Under the leadership of the Parents Board, the Association seeks to broaden the 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. For additional information, please contact the Office of Parent Relations at (310) 338-7037.

National Alumni Association

The Loyola Marymount National Alumni Association is composed of more than 50,000 former students. The mission of the Association is to be the nucleus for sustaining lifelong relationships among and between students, alumni, and the University. By delivering quality programs and services, the Association challenges alumni to continue the LMU journey in their intellectual, social, professional, and spiritual lives. Programs which promote this mission include: Alumni for Others—LMU's signature alumni service program, President's Day—where alumni come back annually to take classes, the Grand Reunion, the annual alumni BBQ, and regional and national events, all of which recapture the LMU experience for our alumni. Guiding our programs are dedicated volunteers comprising the National Alumni Association Board of Directors, chapter leaders, and student leaders.

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 promote innovative programs and events which develop an enlivened and engaged campus community.
- To instill in students the value of service and the promotion of justice.
- To guide students through a process of reflection, self-discovery, and character development.
- To promote the balanced development of body, mind, and spirit.
- To foster students' respect for each other in an intercultural community.
- To advance the University's recruitment and retention efforts.

These goals are implemented through services and programs which are provided by the following areas:

Athletics
Campus Recreation
Career Development Services
Ethnic and Intercultural Services
Judicial Affairs
Office of the Vice President
Student Affairs Deans' Office
Student Health Services
Student Housing
Student Media
Student Programs and Leadership
Student Psychological Services

Student Programs and Services

Athletics

Loyola Marymount University participates in eight intercollegiate sports for men: basketball, baseball, crew, cross country, golf, soccer, tennis, 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.

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. Its 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 and Graduate School Fairs
Career Consultant Program
Career Counseling
Career Exploration Course
Career Resource Library
Educational Placement File
Federal Work Study Jobs and Other Work Awards
Internships
Interest Inventories
Job Search Assistance
Mentoring Program
Mock Interviews
On-Campus Recruiting
Part-Time, Seasonal Jobs and Tutoring Network
Personality Preference Assessment
Resume Guidance

Medical Insurance

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 (SHS) 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 the student's registration and not be able to register.

Services offered by the Student Health Service 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.

Student Housing

LMU Student Housing provides a unique opportunity for participation in community living. Knowing that the physical and social environment affects the intellectual and social development of students, every effort is made to create communities which reflect the University's educational mission.

A Resident Director (RD) and Resident Advisors (RAs), under the supervision of an Area Coordinator for Residence Life (AC), are responsible for overseeing the living environment and developing programs in each housing facility. The staff is responsible for creating an atmosphere conducive to building community and promoting scholarship. They provide opportunities for students to become acquainted with one other and involved in campus activities. They also 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 (RCs) are priests, sisters, and lay ministers who live in the residence halls and apartments with the students. They assist in creating a vibrant 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.

Student Psychological Services

University life provides opportunities for students' growth and development, as well as challenges to their well-being. Student Psychological Services (SPS), staffed by professional psychologists and counselors, provides confidential personal counseling to facilitate students' personal, social, intellectual, spiritual, and emotional development. SPS 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.

Ethnic and Intercultural Services

Ethnic and Intercultural Services (EIS) 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; EIS provides a variety of culturally sensitive services and programs. EIS also serves as a resource for the LMU community on issues of racial and ethnic diversity.

Academic Persistence Program

The Academic Persistence Program (APP) is a student-based outreach program that provides peer counseling and academic support for students of color. APP is designed to enhance student achievement through academic, interpersonal, social, and cultural experiences.

APP is committed to helping students of color excel in their first year of college. This commitment is actualized through programs and services that promote growth and development of the "whole person." Trained APP peer mentors, coordinators, and professional staff collaborate with the LMU community to provide educational, personal, and spiritual support. APP students develop clear academic and career goals, become leaders within LMU and their home communities, gain enhanced self-awareness, and acquire an enriched knowledge of their own culture as well as the cultures of others.

Asian Pacific Student Services

Asian Pacific Student Services (APSS) serves the needs of Asian Pacific American (APA) students. It strives to educate the campus about APA issues and the ethnic diversity represented within its community. APSS programs and services include an annual Cultural Welcome, Asian Pacific American 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 American 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; Dia de Los Muertos; the Virgen de Guadalupe Celebration; 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.

Intercultural Affairs

Intercultural Affairs works with students and staff 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/offers programs that include Spring Festival, an intercultural retreat, intercultural leadership training, speakers, educational forums, and intercultural conversations.

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, Student Retreat, Kente Graduation, Black History Month events, 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.

Campus Recreation

The state-of-the-art Fritz B. 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. A variety of sports equipment, energy bars, and beverages are available for purchase at the conveniently located pro shop.

Intramural Sports provides a wide range of structured sports and activities such as flag football, volleyball, soccer, basketball, 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 kickboxing 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, Women's Lacrosse, and Men's Volleyball.

Campus Recreation is the place to come for all of your recreational needs.

The Center for Service and Action

The Center for Service and Action (CSA) seeks to educate and form men and women for others, especially with and for the disadvantages and the oppressed. Through direct personal contact between students and the marginalized in service-learning experiences, CSA fosters a solidarity with the poor that will lead to intellectual inquiry, moral reflection, and social action.

CSA is directly responsible for the Service and Action House, the Service Organization Program, Special Games, El Espejo, Habitat for Humanity, Amnesty International, Jesuit Alternative Break Program, and the Community Relations Task Force.

Each year CSA recognizes the six most outstanding LMU undergraduate students who have excelled in their

community service. These students each receive a \$1,000 Riordan Community Service Award.

Through the generosity of the Marymount Institute, CSA also recognizes outstanding graduating seniors for their commitment to community service. These students receive the Arete 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 programs and services designed to promote greater collaboration among the international and domestic communities.

The OISS provides vital immigration assistance to international students and faculty, both at the Westchester Campus and Loyola Law School. OISS provides assistance in matters related to maintaining non-immigrant status under LMU's international programs and complying 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 the international concerns to the University community through its contacts with embassies, consulates, and other international and U.S. government agencies.

Student Programs and Leadership

Student Programs and Leadership strives to enrich the learning environment for students seeking growth outside the classroom. The staff works with ASLMU, all co-curricular clubs and organizations, Commuter Students, the Greek Community, Service Organizations, and Special Programs such as the Student Managers and Student Workers. Student Programs and Leadership 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.

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.

Magis Leadership 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 students to face 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 academic and professional clubs. Their primary objective is to further interest in professional development. 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 and requirements of individual societies. Social clubs 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 a registered club does not necessarily reflect the position of Loyola Marymount University.

Academic

- Accounting Society
- American Society of Civil Engineers (ASCE)
- Association of Computer Machinery
- Black Student Business Association
- Chemistry Society
- Chicanos for Creative Medicine
- Communication Studies Society
- Delta Sigma Pi
- Economics Society
- HR Networking
- Institute of Electrical and Electronic Engineers
- Latino Business Student Association
- LMU E-Commerce
- LMU TV
- Math and Science Teachers Club
- Mathematics Club
- National Society of Black Engineers
- Phi Alpha Theta
- Philosophy Society
- Political Science Association
- Screenwriters Guild
- Sigma Tau Delta
- Society of Automotive Engineers

Society of Hispanic Professional Engineers
 Society of Pre-Physical & Occupational Therapists
 Society of Women Engineers
 Sociology Society
 Spanish Club
 Tri Beta (Biology Honor Society)

Cultural

Able Bodied in Spite of Limitations for Unity
 Armenian Student Organization
 Asian American & Pacific Islander Sisterhood
 Black Playwright Bloc
 Black Student Union
 Brothers of Consciousness
 Club de Colores
 Del Rey Players
 El Espejo
 Han Tao
 International Student Organization
 Isang Bansa
 Kyodai
 Movimiento Estudiantil Chicana/Chicano de Aztlan
 (MEChA)
 Na Kolea - Hawaiian Club
 Sistah Friends
 Soul Food Club
 South Asian Student Association (SASA)
 TLC Club
 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
 Best Buddies
 Crimson Circle
 Emergency Medical Services
 Gryphon Circle
 Ignatians
 Rotaract Club
 Service Program Coordinating Council
 Special Games
 Spirit of Love
 Sursum Corda
 Volunteer Admissions Team

Social

Association of Gay and Lesbian Awareness
 Del Rey Players
 First Year Council
 Club 14
 Club Fusion
 Pulse, Heartbeat and Rhythm of LMU
 Resident Housing Association
 Sankofa Society
 Smackdown
 Ta Legal
 University Chorus Association

Political/Social Justice

College Democrats of LMU
 College Republicans
 Human Rights Coalition
 Lawful Leaders
 Lions for Liberty
 No Otaku
 Pro Life Association
 Sierra Club
 Student Advocates for Bilingual Education
 Students for a Free Tibet
 Students for AIDS Awareness

Spiritual

Campus Christian Fellowship
 Righteousness for Christian Fellowship

Sports

Golf Club
 Grappling Club
 Men's Lacrosse
 Roller Hockey Club
 Rowing Association
 Rugby Club
 Sailing Club
 Volleyball 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
 Special Games
 Student Manager Program
 The Bird Nest
 Hannon Loft

Lion's Den
 Intramural Sports
 McKay Recreation Center
 St. Robert's Auditorium
 Recreational Sports

Student Worker Program

University Service Program

Student 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. The *Loyolan* is a member of the American Collegiate Press Association and the National Collegiate Press Association.

KXLU/KLMU

KXLU Radio serves the Loyola Marymount campus and a large portion of the Los Angeles area with alternative, contemporary, classical, and 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 7:00 a.m. until 1:00 a.m.

The Tower

The Tower, a student-run publication, is the official yearbook for the University. Students are responsible for all aspects of production. *The Tower* strives to include all dimensions of the University community including faculty, staff, students, graduating seniors, sports, clubs and organizations, and activities. *The Tower* is a member of the American Collegiate Press Association and the National Collegiate Press Association.

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 for 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 for Student Affairs prior to any proposed march, demonstration, public meeting, etc.

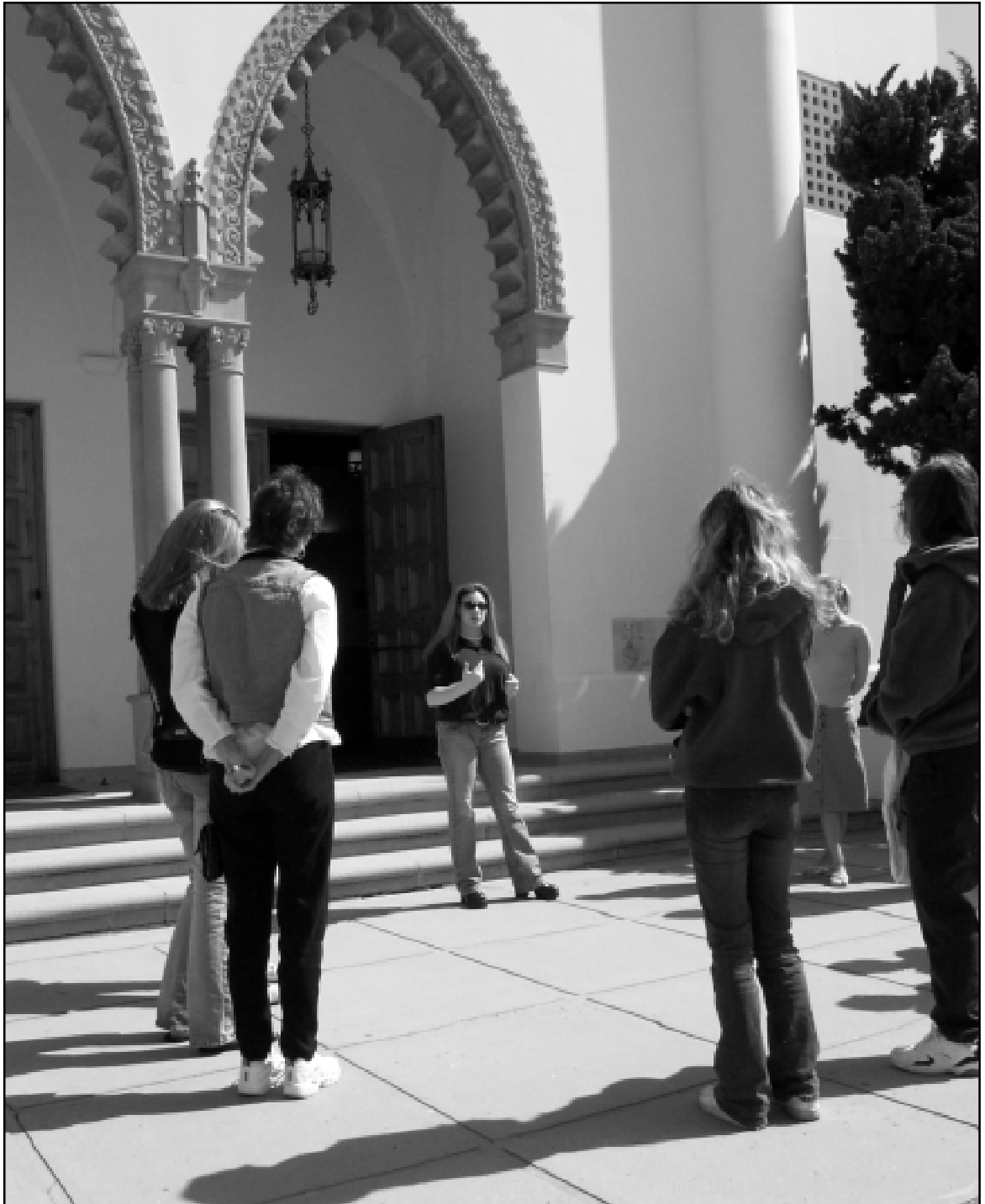
Motor Vehicles

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.

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 each of biology, chemistry, and 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:

1. 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.
2. 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.

3. 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/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.
4. 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 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 requests 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.

Admission of transfer students is selective and subject to available space and enrollment limitations. The minimum transfer GPA of 2.75 may not always be sufficient to secure admission. 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, P.O. Box 6151, Princeton, NJ 08541-6151. 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

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:

AP Exam	Minimum AP Score Required	Number of Semester Hours Awarded	Equivalent LMU Course(s)
Art: History of Art	3	6	Art History 200 and 201
Art: Studio Art - Drawing, General	3	6	no specific course*
Biology	3	6	no specific course
Chemistry	3	8	Chemistry 110, 111, 112, and 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, and 203
French Literature***	3	9	no specific course
German Language***	3	9	German 101, 102, and 201
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 and 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 and 132
Music Theory	3	3	Music 104**
Physics B	3	10	Physics 253 and 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, and 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."

Undergraduate Students receiving financial aid must complete the required number of units as outlined below.

Minimum Units that Must Be Completed If:

Term	Full-Time	3/4 Time	1/2 Time
Fall Semester	12	9	6
Spring Semester	12	9	6
Summer Sessions (Combined)	6	4	3

NOTE: LMU-funded sources of financial aid and the California state grants are available for a maximum of eight semesters if all other eligibility requirements are met. Please refer to the **Academic Degree Requirements and Policies** section of this Bulletin for information on the recommended course load required to complete degree requirements in eight semesters (4 years).

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 2.0. 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.

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.

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.

- 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 16 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
One LMU Drive, MS 8330
Los Angeles, California 90045-2659
(310) 338-2753 - Fax (310) 338-2793
E-Mail: finaid@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

Rains Presidential Scholarship Fund

Seaver Institute Presidential Scholarship Fund

Joseph M. Sexton Presidential Scholarship Fund

John A. Teske Presidential Scholarship Fund

Yerkes/Exxon Presidential Scholarship Fund

Trustee and Presidential Scholars

From among the Academic Scholars, the President will select a very limited number of entering freshmen each year for LMU's top academic scholarship, the Trustee Scholarship and an additional number to receive the Presidential 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 \$10,000 per year renewable with a 3.0 cumulative GPA for four years.

Thomas P. O'Malley, S.J., Jesuit High School Scholarships

The University will select one graduate from each Jesuit high school each year for special recognition, based upon superior academic achievement, demonstration of community leadership, and commitment to the ideals of Jesuit education. Scholarship winners will receive renewable grants of \$10,000 per year for eight semesters, provided the student maintains a 3.2 grade point average.

Marymount High School Scholarships

The University will select one graduate from each Marymount secondary school for special recognition, based upon superior academic achievement, demonstration of community leadership, and commitment to the ideals of Marymount education. Scholarship winners will receive renewable grants of \$10,000 per year for eight semesters, provided the student maintains a 3.2 grade point average.

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 \$9,000 renewable with a 3.0 cumulative GPA for a total of 8 semesters.

Los Angeles County Scholarships

Instituted in 2001, the Los Angeles County Scholarship is awarded to selected entering freshmen from Los Angeles County who demonstrate distinguished academic achievement and determination to excel in the face of educational and economic disadvantage. Awards range to full tuition and may be combined with federal and state grants.

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 1.

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.

Transfer students who have completed more than 100 units prior to enrolling at LMU are not eligible 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 \$3,750 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 \$9,708 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 \$9,708 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 \$8,700. Jobs include maintenance, recycling, and 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, and 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 creditworthy parent co-borrower is required. 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 and no separate application is required. However, students have the option of completing a General Scholarship Application, which is available from the Financial Aid Office. The purpose of the General Scholarship Application is to allow students to provide additional information about themselves, e.g., extracurricular activities, work experience, or special circumstances to the Financial Aid Office. Filling out the General Scholarship Application does not guarantee you a scholarship; it is only an application to facilitate the selection process in the case of scholarships with very specific criteria.

Scholarships that do require a separate application will be advertised either on our website or through a direct mailing to eligible students 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
 Rev. Vincent Chiappa Fund
 Catherine Connell Fund
 Fr. 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
 Louis J. Canepa Fund
 Cecilia Walsh Cantlay Memorial Fund
 Sr. 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
 PricewaterhouseCoopers Scholarship
 Xerox Scholarship Fund
 Arthur Young & Co. Scholarship

Other scholarships administered by the University are the following:

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.

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 University 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 in the College of Communication and Fine Arts 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.

Fr. 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 and 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 and 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 who are graduates of Mater Dei High School and 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 upperclassmen from the College of Science and Engineering who are U.S. Citizens and have been residents 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 students in the College of Communication and Fine Arts 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 are 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.

Loyolan L.A. Catholic High School Scholarship

For students who graduated from a Catholic high school in the Los Angeles Area

Loyolan Out-of-State Catholic High School Scholarship

For students who graduated from a Catholic high school in a state other than California.

LMU Math Scholarship Fund

Awarded to a 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 in the College of Communication and Fine 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 LMU 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 an 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 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 the 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.

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 African 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 in the College of Communication and Fine 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.

Boeing Space Systems Scholarship

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

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.

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, various counseling services, lectures, intercollegiate athletic events, and the library.

Regular Tuition

Undergraduate Full-Time Students

(programs of 12 through 18 semester hours):

Students entering after May 6, 2000:

- per academic year \$21,644
- per semester \$10,822

Students entering before May 7, 2000:

- per academic year \$21,322
- per semester \$10,661

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 \$902

Students entering before May 7, 2000:

- per semester hour \$888

Auditors, per semester hour \$222.50

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

double room, per academic year \$4,830

Huesman (men) and Sullivan (women) Halls \$4,830

McKay Hall

double rooms with adjoining baths,
per academic year \$5,144

McCarthy and Rains Halls

double rooms with adjoining baths,
per academic year \$5,440

Leavey Center (women) \$5,440

Furama (Fall 2002 only) \$3,330

The Furama remains open during recess periods.

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

Apartment Fees

The University has approximately 1,160 beds in completely furnished apartment-style residence halls on campus. Each apartment accommodates four students in two bedrooms with adjoining bath and a living room with a pullman-style kitchen.

Loyola Apartments

per academic year \$5,670

Hannon and Tenderich Apartments

per academic year \$6,150

O'Malley/Leavey Four Apartments

per academic year \$6,490

Leavey Five (Spring 2003 only) \$2,920

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, à la carte basis. Lion Dollar Plans are not 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 S 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) .. \$70

Application Fee \$45 mandatory

Commitment Deposit \$200 mandatory
 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 \$15

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

Student Activity Fee
 (mandatory for full-time undergraduates):
 per academic year (full-time) \$100
 per semester hour (part-time) \$4

Student Recreation Facility Fee
 (mandatory for all full-time undergraduate students, voluntary for all part-time and graduate students):
 per academic year \$110
 per semester \$55
 guests of students \$5 per visit

Yearbook Fee
 (mandatory for full-time undergraduates) \$40

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

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

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

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

There are other fees and charges unique to certain programs that are dependent upon a student's matriculation at the University. 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:

	Residence Hall	Apartment
Tuition (12-18 units)	\$21,644	\$21,644
Room	4,830	5,440
Meals	2,500*	1,000**
Fees, Books, Supplies	1,034	1,034
Total Estimate	\$30,008***	\$29,118***

- * Assumes Lion Dollar Plan I.
- ** Assumes Lion Dollars S 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, 2002. New students taking 7 or more units and returning students taking 7 or more units for the first time during the 2002-2003 academic year will be charged a prorated amount for the Spring semester unless a waiver form is submitted to the Controller's Office by February 1, 2003.

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.

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

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 \$50.00 fee for enrollment; however, interest **is not** charged on outstanding balances.

A monthly late fee is assessed on students who fail to make their payment by the end of each month. Students may take advantage of the automatic Visa/MasterCard/Discover/Amex feature that allows a one-time authorization followed by regular monthly charges.

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. Failures, withdrawals, and NCs are not recognized as making satisfactory progress.

Refunds/Cancellation

Refunds for tuition and/or housing are made only after a complete withdrawal or leave of absence from the University (dropping all courses) has been processed by the Office of the Registrar and, in the case of a resident student, also by the Housing Office. For resident students, if the official withdrawal dates from the 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. A student should complete the Withdrawal/Leave of Absence form in the Office of the Registrar and, if a resident student, the withdrawal form in the Housing Office.

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

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

Fall 2002

Withdrawal Percentage	All Students
100% through	Aug 30, 2002
90% through	Sept 05, 2002
70% through	Sept 13, 2002
50% through	Sept 21, 2002
25% through	Oct 19, 2002
0% on or after	Oct 20, 2002

Spring 2003

Withdrawal Percentage	All Students
100% through	Jan 22, 2003
90% through	Jan 25, 2003
70% through	Feb 03, 2003
50% through	Feb 10, 2003
25% through	Mar 12, 2003
0% on or after	Mar 13, 2003

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

Refund Payments

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

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



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 (English as a Second Language) and ENGL 101 (Required Writing Lab—ESL). Some students will be recommended to enroll in English 111 (College Writing Lab I) 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 and 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 teaches 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 Bellarmine 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 102). 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 Bellarmine 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).

Special Circumstances

- Students desiring to take MATH 111, 112, 120, 122, 131, or 306 in order to fulfill the mathematics proficiency requirement should see their advisor for appropriate action. The Mathematics Placement Examination is required before taking any of these courses.
- 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 101 or MATH 102 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.S. Applied Mathematics
- 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
 - Travel and Tourism
- B.S. Chemistry
- B.A. Chicana/o Studies
- B.S. in E. Civil Engineering
 - Environmental Engineering
- B.A. Classical Civilization
 - Greek Civilization
 - Roman Civilization
 - Near Eastern Civilization
- B.A. Classics
- B.A. Communication Studies
- B.S. Computer Science
- B.A. Dance
- B.A. Economics
 - International
- B.S. Economics
- B.S. in E. Electrical Engineering
 - Computer Engineering
- B.S. Engineering Physics
- B.A. English
 - Literature
 - Writing
- B.A. European Studies
- B.A. Film Production
- B.A. French
- B.A. Greek
- B.A. History
- B.A. Humanities
- B.A. or B.S. Individualized Studies
- B.A. Latin
- B.A. Liberal Studies
 - See program director for available concentrations.
- B.A. or 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. Recording Arts
- B.A. Screenwriting

- B.A. Sociology
- B.A. Spanish
- B.A. Studio Arts
 - Fine Arts
 - Graphics
 - Multimedia Arts
- B.A. Television Production
- B.A. Theatre Arts
- B.A. Theology
- B.A. Urban Studies

- History
- Irish Studies
- Italian
- Latin
- Lay Ministry
- Mathematics
 - applied
 - pure
 - secondary education
- Modern Greek Studies
- Music
- Peace Studies
- Philosophy
- Physics
- Political Science
- Psychology
- Screenwriting
- Secondary Education
- Secondary Bilingual Education
- Sociology
- Spanish
- Special Education
- Studio Arts
- Theatre Arts
- Theology
- Travel and Tourism Management
- 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
- Archaeology
- Art History
- Asian Pacific American Studies
- Asian and Pacific Studies
- Biochemistry
- Biology
- Business Administration
- Chemistry
- Chicana/o Studies
- Classical Civilization
- Classics
- Communication Studies
- Computer Science
 - algorithms
 - multimedia
- Dance
- Economics
- Electrical Engineering
- Elementary Education
- Elementary Bilingual Education
- English
- French
- German
- Greek
- Hispanic Business

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

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

Certificate Programs

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

Business Administration (Graduate)
- International MBA

Engineering and Production Management (Graduate)
- Total Quality Engineering

Mechanical Engineering (Graduate)
- Finite Element Methods
- Manufacturing
- Materials Design
- Mechanical Design
- Structural Dynamics
- Systems Engineering
- Thermal Engineering

Pastoral Studies (Graduate)

Reading Certificate (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)

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 considered for readmission to the University must file a 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.

Concurrent Enrollment

Enrollment by degree-seeking students at another institution at the same time they are enrolled at LMU is not permitted.

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.

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 addresses or those 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

In Fall or Spring semesters, students in good standing from the previous semester may register for 18 units; 19 units or more constitutes an academic overload, for which academic advisor or Dean approval is required. Extra tuition is charged to any student who registers in 19 units or more.

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 Chairperson and Dean of the respective departments and 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 of registration.

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 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 Chairperson's 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 impartial persons to investigate the matter and make a recommendation to the Dean. The Dean will normally follow the recommendation of the committee; however, the decision of the Dean is final.

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:

A	Superior
A-	Outstanding
B+	Very good
B	Good
B-	Better than average
C+	Above average
C	Average
C-	*Below average
D	Poor (for undergraduate grading only)
F	Failure
CR	Credit — Equivalent to grade of C or higher
NC	No Credit — Equivalent to grade of C- or lower
NG	Non-graded course
AU	Audit
I	Work incomplete
IP	Work in progress (for graduate courses requiring more than one semester to complete)
W	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 2000 for students who entered Loyola Marymount University in Fall 1994 on a full-time basis was 71.6%.

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. A minor program consists of 18 or more semester hours. 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; the prior occurrence is excluded from the cumulative grade point average but remains on the transcript. All units attempted are used to determine the student's grade point average and graduation eligibility. 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 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. After the deadline, students may withdraw from courses only for medical or psychological reasons. A written petition with accompanying documentation from a licensed professional should be submitted to the Registrar with the signature of the Dean of the student's major college. The documentation from the licensed professional must certify that the student is not able to complete the semester for medical or psychological reasons. If approved, the student will be withdrawn from all courses and not a portion of the course schedule. Students are eligible for tuition and fee refunds according to the University's published policy. Additional documentation from a licensed professional is required indicating that the student is able to resume study at 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

University 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 University 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 University 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 University 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 University Honors core curriculum combines four interdisciplinary Honors core courses with an intensive year-long sequence in writing, critical thinking, and American cultures. There is also a year-long sequence in the history of civilization. The students also take an additional course in science and a course in ethics designed specifically for the University Honors Program. 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 University 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: Evan Gerstmann

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 Prewlaw Advisor. The Prewlaw 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: BIOL 101, 102, 111, 112, 201, 202; CHEM 110, 111, 112, 113, 220, 221, 222, 223; English (6 semester hours); MATH 122, 123; PHYS 253, 254, 255, 256; PSYC 100. In addition, other specified upper division biology courses and electives from Liberal Arts, Fine Arts, and the Sciences may be required.

ROTC Programs

Director: Richard A. McIntosh, 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 Religion and Spirituality

Director: Felix Just, S.J.

The Center for Religion and Spirituality makes a vital contribution to the mission of Loyola Marymount University by expanding LMU's religious and educational outreach to a wider range of constituencies in Southern California and beyond. As part of the Division of Continuing Education, Summer Session, and Special Programs, the Center embodies LMU's commitment to serve the Roman Catholic Archdiocese of Los Angeles, other local churches, religious groups, and the general public through the development of diverse programs related to religion, spirituality, faith, and justice.

In collaboration with the Department of Theological Studies and other departments and divisions of the University, the Center sponsors a variety of continuing education courses, certificate programs, lecture series, summer institutes, and special events. It also provides online courses and other non-traditional venues for religious education and spiritual development, thus linking the University and its mission to the greater Los Angeles community and beyond.

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. Students with a disability that substantially impacts their ability to learn and perform to the best of their competence may be eligible for a variety of services. To be eligible, documentation of the disability must be provided from an appropriate licensed professional. To request a form assisting you with providing the complete documentation and/or if you require further information, you may locate more information from our website: <http://www.lmu.edu/dss/>, or contact the DSS office at (310) 338-4535.

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 or visit <http://www.lmu.edu/lrc/>.

Orientation

Director: Frank A Key, Jr.

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 377,500 books and bound periodicals, 9,600 various media titles, 101,000 microforms, and 3,000 current periodical subscriptions in paper format, and over 13,000 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, MELVYL, 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 Boltensern 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 LPs, and view videocassettes, laserdiscs, slides, filmstrips, and CD-ROMs. More information about the library may be found at <http://lib.lmu.edu>.

Encore Program

Director: Susan Pentz

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

Associate Academic Vice President: Robert J. Kopecky

LMU sponsors several study abroad programs for summer, semester, and full-year.

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 costs (comparable to the cost of a full-time students in residence at LMU) includes tuition, housing, breakfast and dinner, public transportation in Bonn, several cultural activities, and excursions and site visits to metropolitan centers such as Paris, Brussels, Bruges, Berlin, Prague, and Dresden. For those students staying the entire academic year on the New Europe Program, an additional excursion to Spain is offered during the Spring semester. The cost does not include round-trip airfare, textbooks, and other personal expenses.

Most, if not all, LMU financial packages can be applied to the New Europe Program; LMU tuition payment plans are applicable. For complete information, consult the Office of International Programs in University Hall 1842.

The Jesuit Universities' 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.

Summer Abroad

Summer programs are offered in Africa, France, Germany, Greece, Honduras, Ireland, Italy, Mexico, and the United Kingdom. The Washington 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.

Affiliate Programs

LMU is affiliated with programs in the following countries: Australia, Austria, China, France, Germany, Greece, Ireland, Italy, Japan, Korea, Spain, the United Kingdom, Venezuela, and many other countries throughout Europe, South America, and Asia. 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; and Iberoamericana Universidad in Mexico.

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

Credit Transfer

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 45.)

Summer Session

Director: Susan Pentz

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://conted.lmu.edu/summer/>, or by writing to the Summer Session Office.

Continuing Education

Directors: Madge Claybion and Ben Hayes

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 hour represents 10 continuing education contact hours. The third type is personal enrichment programs covering a variety of activities that might include dance, martial arts, 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" in this Bulletin).

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

The Financial Executives Medallion Awards

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

The Finnegan-Reiland Education Award

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

The Barbara and Hugh Gray Awards for Greek Studies

Two awards presented by the Basil P. Caloyeras Center for Modern Greek Studies, one to the author of the best paper on Modern Greek and the other on Ancient Greek Studies.

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 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.

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.

University Honors Program



University Honors Program

All University Colleges

Director:

James M. Landry

Objectives:

The University Honors core curriculum begins with an intensive undergraduate experience combining four interdisciplinary University Honors core courses with an intensive year-long sequence in writing, critical thinking, and American Cultures. A second year-long sequence in the history of civilization and a course in natural philosophy are also a part of the curriculum. University Honors students are required to display proficiency in a foreign language. They must take an Honors course on ethics and 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.

University Honors students must maintain an average GPA of 3.50. Successful completion of the University 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 University Honors Director for admission. Full information regarding the program may be obtained from the Director of University Honors.

Program Requirements:

Foreign Language Requirement *

Proficiency to the level of nine semester hours.

Honors Core Courses

- HNRS 115: On the Sublime
- HNRS 120: On Human Dignity
- HNRS 130: Society and its Discontents
- HNRS 140: On Motion and Mechanics
- HNRS 220: The Ancient World to the Renaissance
- HNRS 230: The Renaissance to the Present Day
- HNRS 240: Natural Philosophy **

College Writing Tutorials
HNRS 100 and 101

Additional core chosen from University offerings:
Arts, critical/creative
HNRS 330: Ethics and Social Justice
Theology, 100- and 300-level
Social Science

Interdisciplinary Seminar
HNRS 398

Honors Seminars
HNRS 495 and 496

Honors Thesis
HNRS 497

* A.P. and transfer credits are applicable, as well as results from the Language Placement Examination administered during Summer Orientation.

** Students pursuing a B.S. degree in science and engineering are exempt from taking HNRS 140. In addition, Engineering majors take either HNRS 220 or HNRS 230 and are exempt from the social science requirement.

HNRS 100 College Writing Tutorial

1 Semester Hour

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 120.

HNRS 101 American Persona

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.

HNRS 115 On the Sublime

3 Semester Hours

An exploration of literary works that shape our world culture.

HNRS 120
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.

HNRS 130
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.

HNRS 140
On Motion and Mechanics
3 Semester Hours

An experiential course employing the use of scientific and engineering methods to study the environment around us and solve technical problems.

HNRS 220
Foundations of Western Civilization: Ancient World to Renaissance
3 Semester Hours

Survey of Western civilization in the ancient and medieval periods.

HNRS 230
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.

HNRS 240
Natural Philosophy
3 Semester Hours

An examination of the history, philosophy, and nature of scientific discovery, theory, and practice.

HNRS 330
Ethics and Social Justice
3 Semester Hours

A study of moral problems and social justice issues from a perspective of ethical theory.

HNRS 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.

HNRS 490
Honors Teaching
1-2 Semester Hours

Guided teaching of the undergraduate writing tutorial.

May be repeated for credit.

Requires consent of Director.

HNRS 495
Honors Seminar
1-2 Semester Hours

A senior level course taken to help with the writing of the Honors Thesis.

HNRS 496
Honors Seminar
1-2 Semester Hours

A senior level course in which students are required to make an oral presentation of their research project.

HNRS 497
Honors Thesis
1-2 Semester Hours

This independent research course is taken in the senior year and results in the publication of a bound thesis.

HNRS 499
Independent Studies
1-3 Semester Hours

Bellarmino College of Liberal Arts



Bellarmino College of Liberal Arts

Administration

Dean: Kenyon S. Chan
Associate Dean: John R. Popiden

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
Archaeology	ARCH
Asian Pacific American Studies	APAM
Asian and Pacific Studies	ASPA
Chicano/a Studies	CHST
Classical Civilizations	CLCV
Classics	CLAS
Economics	ECON
English	ENGL
Ethics	ETHC
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
Theological Studies	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 curriculum in the Bellarmine College of Liberal Arts liberates the mind, nourishes the spirit, and cultivates creativity for the challenges of today and tomorrow. The liberal arts are the heart of any great university.

The degree program has three components: core, major, and electives. The core curriculum, which is taken throughout the four-year program, provides educational breadth and embodies Loyola Marymount's educational mission and vision. The major provides a field of concentration that develops a depth of understanding in the humanities or social sciences. Finally, up to one-third of the program is made up of electives. This provides the opportunity for exploring fields of study complementary to the major or for developing expertise in a second major or minor.

First Year Institute

Director: Barbara Roche Rico

The First Year Institute (FYI) is a program for entering first-year students, offering thematically linked core courses. The FYI professors work closely together and coordinate readings, guest speakers, and field trips to complement the classroom experience. Smaller class size allows for a higher level of interaction and engagement.

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 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 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 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, 230; ENGL 130, 140, 150, 170; FNLT 180; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349, or 430. Or choose any upper division literature course in a modern or classical language, e.g., FREN, ITAL, SPAN, GRMN, TAGL, CHIN, JAPN, LATN, GREK, or MDGK.

Mathematics

3 Semester Hours

Course Selection:

Choose MATH 102 or higher. Some majors require a specific mathematics course, which also fulfills this requirement.

Science and Technology*3 Semester Hours*

Course Selection:

Choose one course from a department other than Mathematics. Courses numbered 260-279 in each department of the College of Science and Engineering are specifically designed for non-science majors. Choose from BIOL, CHEM, CMSI, ELEC, MECH, NTLS, or PHYS.

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 one PHIL course numbered 320 through 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.

Recommendations:

Students are encouraged to enrich their program of study with courses from the following areas.

Business

Students are encouraged to take a course in the issues of business. Consult the Bulletin listings.

Computer Skills

Students are expected to become proficient in computer skills. Courses or workshops may be taken to help students develop existing skills.

Foreign Language

Students are encouraged to study foreign languages to the intermediate level. LMU offers Chinese, French, German, Greek (Modern and Classical), Italian, Japanese, Latin, Spanish, and Tagalog on a regular basis.

International/Global Studies

Students are encouraged to select courses that deal with international and/or global issues. Such courses are offered throughout the University and are available as electives or as options within the core or major. Consult the Bulletin listings.

Internships

Students are encouraged to link academics and career exploration through internships. Internships may be arranged through the Career Development Office. Also, internship courses are offered through various academic departments.

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) at least 45 semester hours of upper division, and b) a maximum of 30 upper division semester hours in any one department will be accepted toward graduation requirements.

No more than 9 semester hours in any of the following programs will be accepted toward degree requirements: ART DANC (studio technique/performance), MUSC (applied music, studio, or performance), THEA (technical or performance).

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

Enrollment by degree-seeking students at another institution at the same time they are enrolled at LMU is not permitted.

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

Students Interested in Teaching in California Public Schools

Students wishing to teach grades K-5 in California public schools are required to obtain a Multiple Subjects Subject Matter Teaching Credential and demonstrate "subject matter competence" to teach the many subjects commonly taught in elementary school. Subject matter competence can be demonstrated by either passing a national exam or by successfully completing the requirements of the Liberal Studies Bachelor's of Arts degree in the Bellarmine College of Liberal Arts. Students interested in the Liberal Studies degree program should consult a Liberal Studies advisor.

Students wishing to teach in grades 6-12 in California public schools are required to obtain a Single Subject Credential and demonstrate "subject matter competence" to teach a particular subject (e.g., English, Social Studies, Foreign Language, Math, or Science). Subject matter competence can be demonstrated by either passing a national exam or by successfully completing an approved subject matter preparation program in English. Students interested in teaching English at the 6-12 grades levels should consult the English Subject Matter advisor in the English Department. The College of Science and Engineering offers an approved single subject preparation program in math. Students interested in teaching math should consult an advisor in the Math Department. Subject matter preparation programs in science, the social sciences, French, and Spanish are pending.

A Multiple Subjects Subject Matter or Single Subject Matter teaching credential can be earned concurrently with a Bachelor's degree. Except for Liberal Studies majors, students may declare a minor in Education and begin taking Education courses after completion of 30 semester hours (first semester Sophomore standing). In order to maximize the full potential of taking Education courses with the undergraduate program, students are strongly encouraged to declare the Education minor early in their career. Credential programs are also available in Special Education (K-12) and Bilingual Education (Spanish, K-12). For more information on Education programs, see the School of Education section in this Bulletin.

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 department with a worldview grounded in the perspective of Africa and the Diaspora. This worldview forms the basis of our intellectual, theoretical, and methodological approaches. The objective of African American Studies is to understand the forces that impact the lives of people of African descent in America as well as the influences that African descent has in America and beyond. The Department's curriculum challenges students to integrate knowledge and analytical skills from disciplines such as sociology, history, literature, political science, philosophy, and economics so that a more holistic understanding emerges.

By examining the lived experiences of Africans in America and throughout the Diaspora from the perspective of various disciplines, students develop a deeper understanding of themselves and their interactions within a diverse society. Thus, African American Studies provides students an excellent preparation for graduate study, professional schools, and numerous employment opportunities that require a Bachelor of Arts degree.

Major Requirements:

Lower Division:

AFAM 115

AFAM 150

AFAM 155

One course in research methods chosen from the following:

AFAM 208

POLS 210

SOCL 109

Upper Division:

24 semester hours in upper division courses must include AFAM 335 (SOCL 335) and AFAM 497. 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 18 hours are to be chosen from the five focus areas in which the upper division courses in African American Studies are grouped: I) Sociology, II) History, III) Literature/English, IV) Economics and Urban Studies, V) 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 334	Race and Ethnic Relations *
AFAM 335	Sociology of the Black Community
AFAM 435	Sex, Race, and Violence
AFAM 485	African American Social Thought *

II. History

AFAM 390	African Kingdom *
AFAM 392	Colonial Africa 1860-1960 *
AFAM 490	The Nile Quest *
AFAM 491	South Africa *
AFAM 590	Seminar in African History *

III. Literature/English

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

IV. Economics and Urban Studies

AFAM 326	Econ Development Minority Communities *
AFAM 365	Metropolitan L.A. *

V. Senior Seminar

AFAM 497	Senior Seminar
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* cross-listed courses

Minor Requirements:

18 semester hours including AFAM 115, 150 or 155, and 335 and nine (9) semester hours in upper division courses. An average grade of C (2.0) must be obtained in the courses included in the minor.

AFAM 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.

AFAM 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.

AFAM 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.

AFAM 198
Special Studies
1-3 Semester Hours

AFAM 199
Independent Studies
1-3 Semester Hours

AFAM 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.

AFAM 298
Special Studies
1-3 Semester Hours

AFAM 299
Independent Studies
1-3 Semester Hours

AFAM 301
Black Family Life
3 Semester Hours

This course examines relevant issues about life within the Black Family and the impact that these issues have on the individual, the community, and the society at large. Emphasis is placed on myths, gender roles, socialization, parenting styles, and male/female relationships. The course gives students an opportunity to select an aspect of Black life and do an in-depth critical analysis of it with a focus on the current research, competing views, and implications for the future.

AFAM 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.

AFAM 337
Black Arts Movement
3 Semester Hours

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

AFAM 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, Charles Gordone, Charles Fuller, Ntozake Shange, and August Wilson. Students will have opportunities to attend live performances of African American drama in L.A. communities and to stage readings of selected works.

AFAM 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.

AFAM 398
Special Studies
1-3 Semester Hours

AFAM 399
Independent Studies
1-3 Semester Hours

AFAM 435
Sex, Race, and Violence
3 Semester Hours

This course examines the issues of sex, race, and violence and their implications for the individual, the family, and the community. Emphasis is placed on the role of socialization and the myths that impact societal attitudes about sex and violence. Students have an opportunity to identify and to explore factors that influence the manifestation of physical violence (including dating violence, child abuse, and domestic violence), and sexual violence (including date rape, stranger rape, and marital rape) across the dimensions of race, ethnicity, and gender.

AFAM 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.

AFAM 497
Senior Seminar
3 Semester Hours

Designed as a capstone experience for African American Studies majors and minors. In the seminar format, students will be challenged to integrate knowledge, skills gained in course work, and life experiences into a meaningful project that meets the challenge of academic excellence and social responsibility.

Prerequisite: Senior standing.

AFAM 498
Special Studies
1-3 Semester Hours

AFAM 499
Independent Studies
1-3 Semester Hours

Cross-listed Courses

AFAM 326
Economic Development of the Minority Communities
(See SOCL 334)

AFAM 365
Metropolitan Los Angeles
(See URBN 365)

AFAM 390
African Kingdoms
(See HIST 390)

AFAM 392
Colonial Africa: 1860-1960
(See HIST 392)

AFAM 490
The Nile Quest
(See HIST 490)

AFAM 491
South Africa
(See HIST 491)

AFAM 590
Seminar in African History
(See HIST 590)

Alcohol-Drug Studies

The undergraduate program in Alcohol-Drug Studies is being discontinued. Undergraduates may no longer declare a minor in Alcohol-Drug Studies.

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 and academically-oriented, and it 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 GPA of 2.50 must be maintained. Students will have a maximum of one calendar year to complete field placement requirements.

ALDR 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.

ALDR 298 **Special Studies** *1-3 Semester Hours*

ALDR 299 **Independent Studies** *1-3 Semester Hours*

ALDR 398 **Special Studies** *1-3 Semester Hours*

ALDR 399 **Independent Studies** *1-3 Semester Hours*

ALDR 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.

ALDR 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.

ALDR 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.

ALDR 498
Special Studies

1-3 Semester Hours

ALDR 499
Independent Studies

1-3 Semester Hours

ALDR 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.

Prerequisites: ALDR 201, 402, 403, and 404.

ALDR 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.

Prerequisites: ALDR 201, 402, 403, and 404.

ALDR 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.

ALDR 598
Special Studies

1-3 Semester Hours

ALDR 599
Independent Studies

1-3 Semester Hours

American Cultures Studies

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 is 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.

AMCS 100 Introduction to American Cultures 3 Semester Hours

Lower division introductory courses in American Cultures explore the meaning and dynamics of such issues as race, ethnicity, gender, class, sexuality, and other factors that define members of our society. These issues are explored from the vantage point of at least three ethno-cultural groups. Courses may be taught from myriad disciplinary perspectives and emphasize the development of basic skills for understanding and interacting in today's multicultural society.

Prerequisite: First- and second-year students only.

AMCS 298 Special Studies 1-3 Semester Hours

Prerequisite: First- and second-year students only.

AMCS 299 Independent Studies 1-3 Semester Hours

AMCS 300 Advanced Survey of American Cultures 3 Semester Hours

Upper division introductory and advanced courses in American Cultures explore the meaning and dynamics of race, ethnicity, class, sexuality, and other factors that define members of our society. These issues are explored from the vantage point of at least three ethno-cultural groups. Courses may be taught from myriad disciplinary perspectives and emphasize the development of basic skills for understanding and interacting in today's multicultural society.

Prerequisite: Third- and fourth-year students only.

AMCS 398

Special Studies

1-3 Semester Hours

Prerequisite: Third- and fourth-year students only.

AMCS 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:

ASPA 201 Asian Civilizations
HIST 182 Modern Asia

Language Requirement:

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 CHIN 101, 102, 203, 204; CLAS 201, 202 (Sanskrit); JAPN 101, 102, 203, 204; TGLG 101, 102, 203, 204. 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).

ASPA 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.

ASPA 298 Special Studies *1-3 Semester Hours*

ASPA 299 Independent Studies *1-3 Semester Hours*

ASPA 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.

ASPA 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.

ASPA 386
Introduction to 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.

ASPA 398
Special Studies*1-3 Semester Hours*

ASPA 399
Independent Studies*1-3 Semester Hours*

ASPA 486
Topics in Asian Literature*3 Semester Hours*

The subject matter of this course will vary from semester to semester.

ASPA 487
Asian Mythology*3 Semester Hours*

This class will examine mythology and folktales from various Asian traditions: China, Japan, Korea, and India. The reading materials will be examined through psychological, philosophical, and cultural approaches. The topics for discussion include creation myths, heaven and hell, the mythic hero, metamorphosis, and immortality.

ASPA 488
Modern Asian Fiction*3 Semester Hours*

This course examines twentieth-century Chinese and Japanese fiction through the study of novels, short stories, novellas, biographies, diaries, and film. The class will also study major literary trends and movements.

ASPA 489
Women in Asian Literature*3 Semester Hours*

This course is a cross-cultural study of Asian women through the analysis of literary works including dramas, fiction, and diaries in both classical and modern literature in China, Japan, Korea, and India. The class will examine patterns of sexism, women as literary subjects and personae, as well as images of women in various socio-sexual roles.

ASPA 490
Asian Women Writers*3 Semester Hours*

This is a cross-cultural study of Asian women writers through the readings of poetry, short stories, autobiographies, diaries, and novels. Most readings are derived from contemporary female writers from China, Japan, Korea, Hong Kong, Taiwan, and the United States.

ASPA 498
Special Studies*1-3 Semester Hours*

ASPA 499
Independent Studies*1-3 Semester Hours*

ASPA 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**Bellarmino 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	Imperial China
HIST	483	China's Path to Modernization
HIST	484	Age of Samurai
HIST	485	Twentieth-Century 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	475	International Law *
SOCL	325	Hawaii and the Pacific Islands
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	World Music: Small Ensemble

MUSC	455	World Music: Large Ensemble
THEA	348	Asian Spirit in Drama

College of Business Administration:

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	340	Intro to International Business
MGMT	440	International Management *
MGMT	441	International Entrepreneurship *
MGMT	491	International Management Elective *
MKTG	445	International Marketing *
MKTG	446	International Negotiations *
MKTG	447	International Business Law *
MKTG	491	International Marketing Elective *
TOUR	381	Travel and Tourism Internship
TOUR	382	Marketing Travel and Tourism
TOUR	384	Financial Mgmt in Travel & Tourism
TOUR	484	Eco-Tourism

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

Asian Pacific American Studies

Director:

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.

APAM 117 Introduction to Asian Pacific American Studies 3 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.

APAM 371 Asian American Literature 3 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.

APAM 398 Special Studies 1-3 Semester Hours

APAM 399 Independent Studies 1-3 Semester Hours

APAM 417 Contemporary Issues of Asian Pacific Americans 3 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.

APAM 427 Asian American Psychology 3 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.

APAM 435
Asian Pacific American Women's Experience
3 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.

APAM 437
Asian Pacific Americans and the American Law
3 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.

APAM 450
Specific Ethnic Focus Seminars
3 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.

APAM 453
Filipino American Experience
3 Semester Hours

Comprehensive introduction to the Filipino American experience. Historical analysis of U.S. colonialism and the experiences of Filipino Americans as "American Nationals." Review of contemporary issues such as immigration patterns, community formation, and family dynamics. In-depth study of Filipino Americans in Los Angeles and Southern California.

APAM 457
Vietnamese American Experience
3 Semester Hours

Comprehensive introduction to the Vietnamese American experience. Review of Southeast Asian politics during the Cold War with emphasis on U.S. policies in Vietnam. Review of contemporary issues in 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.

APAM 498
Special Studies
1-3 Semester Hours

APAM 499
Independent Studies
1-3 Semester Hours

APAM 500
Capstone Course
3 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: Deena González
 Associate Professors: Deena González,
 Fernando J. Guerra
 Assistant Professor: 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 in 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 emphasizes 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. The goals of Chicana/o Studies have a special meaning given the significant historical and contemporary presence of Mexican and Chicana/o peoples in Los Angeles. Chicana/o Studies courses attempt to prepare all students to live in and contribute to a society which is increasingly diverse.

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.

Minor Requirements:

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

CHST 116 Introduction to Chicana/o 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.

CHST 126 Chicana/o Cultural Production 3 Semester Hours

The course examines contemporary Chicana/o cultural production, including performance, film, and art. Comparisons are made to other ethnic groups and crosscultural production.

CHST 198 Special Studies 1-3 Semester Hours

CHST 199 Independent Studies 1-3 Semester Hours

CHST 206 Introduction to Chicana/o-Latina/o 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.

CHST 298 Special Studies 1-3 Semester Hours

CHST 299 Independent Studies 1-3 Semester Hours

CHST 302 Chicanas and Other 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.

CHST 306 Chicana/o 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 U.S.

CHST 308
Contemporary Urban Chicana/o and Other Latina/o Issues

3 Semester Hours

This interdisciplinary course is an overview of contemporary Chicana/o and Latina/o issues. Using experiential-learning methods, the course helps students understand how the lives of Chicanas/os and Latinos/as are shaped by politics, economics, culture, history, and access to nation-state institutions.

CHST 332
Survey of Chicana/o-Latina/o Literature

3 Semester Hours

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

CHST 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.

CHST 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.

CHST 350
Survey: Anthropology of Chicanas/os

3 Semester Hours

This survey course reviews the classic ethnographic texts and the most current ethnographies on Chicana/o populations. It traces the theories used to analyze Chicana/o communities: cultural determinism, Chicana/o nationalism, interpretive methods, socialist feminist theory, postmodernism, and critical theory.

CHST 360
Chicana/o History

3 Semester Hours

An analytical survey of Native America, Mexican America, and the recent past with a focus on race, ethnicity, sexuality, and class.

CHST 398
Special Studies

1-3 Semester Hours

CHST 399
Independent Studies

1-3 Semester Hours

CHST 404
Chicana and Third World Feminisms

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.

CHST 405
Chicana/o Critical Thought

3 Semester Hours

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

CHST 407
Chicana/o Art: Performing Politics

3 Semester Hours

A historical and social investigation of Chicana/o art and the politics of identity and museum practices, including exhibition, collection, interpretation, and preservation. The course includes options for curating a virtual art gallery and field trips.

CHST 435
The Politics of California
1-3 Semester Hours

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

(See POLS 435)

CHST 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.

(See POLS 436)

CHST 437
Chicana/o Politics
3 Semester Hours

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

CHST 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. Latina/o novelists.

CHST 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. Latina/o essayists.

CHST 460
The Chicana/o Southwest
3 Semester Hours

An examination of the historical and contemporary issues shaping this important region of the U.S. Attention to indigenous communities, women, and current political issues.

CHST 461
Chicana/o Research Seminar
3 Semester Hours

A seminar and practicum using the research tools of social scientists and humanists, including oral interviews and primary documents to explore Mexican/American, Chicana/o Los Angeles. The collections of the Center for the Study of Los Angeles serve as the basis for the topics students explore.

CHST 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.

CHST 498
Special Studies
1-3 Semester Hours

CHST 499
Independent Studies
1-3 Semester Hours

CHST 520
Chicana/o-Latina/o 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	Latin American Poetry
SPAN	443	Latin American Women Writers
SPAN	444	Latin American Drama
THST	346	The Latino Experience in the U.S. Church

Classics and Archaeology

Faculty:

Chairperson: Jane W. Crawford
 Professors: Jane W. Crawford, Matthew Dillon,
 William J. Fulco, S.J., Robert B. Lawton, S.J.
 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, Rome, and the Near East 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, Rome, and the Near East 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 must be in upper division courses emphasizing Greek, Roman, or Near Eastern civilization. The actual distribution of courses 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

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 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.

GREK 101 Elementary Greek I

3 Semester Hours

The fundamentals of Classical Greek; exercises in reading.

GREK 102 Elementary Greek II

3 Semester Hours

A continuation of GREK 101.

Prerequisite: GREK 101 or equivalent.

GREK 201 Intermediate Greek

3 Semester Hours

Grammar review and selections from prose authors.

Prerequisite: GREK 102 or equivalent.

GREK 298 Special Studies

1-3 Semester Hours

GREK 299 Independent Studies

1-3 Semester Hours

GREK 301 Greek Prose Composition

1 Semester Hour

GREK 311 Readings in Homeric Greek

3 Semester Hours

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

GREK 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.

GREK 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.

GREK 322 Readings in Classical Greek: Philosophy

3 Semester Hours

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

GREK 323
The Epistles of Paul
3 Semester Hours

This course may be repeated for credit.

GREK 331
Readings in Hellenistic Greek:
3 Semester Hours

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

GREK 415
Special Topics in Greek Literature
3 Semester Hours

This course may be repeated for credit.

GREK 498
Special Studies
1-3 Semester Hours

GREK 499
Independent Studies
1-3 Semester Hours

Latin

LATN 101
Elementary Latin I
3 Semester Hours

The fundamentals of Latin; exercises in reading.

LATN 102
Elementary Latin II
3 Semester Hours

A continuation of LATN 101.

Prerequisite: LATN 101 or equivalent.

LATN 201
Intermediate Latin
3 Semester Hours

Grammar review and selections from prose authors.

Prerequisite: LATN 102 or equivalent.

LATN 298
Special Studies
1-3 Semester Hours

LATN 299
Independent Studies
1-3 Semester Hours

LATN 301
Latin Prose Composition
1 Semester Hour

LATN 311
Horace and Catullus
3 Semester Hours

This course may be repeated for credit.

LATN 312
Virgil
3 Semester Hours

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

LATN 321
Cicero
3 Semester Hours

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

LATN 322
Roman Historians
3 Semester Hours

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

LATN 323
Roman Epistolography
3 Semester Hours

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

LATN 324
Latin Prose
3 Semester Hours

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

LATN 411
Latin Poetry
3 Semester Hours

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

LATN 415
Special Topics in Latin Literature
3 Semester Hours

This course may be repeated for credit.

LATN 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.

LATN 498
Special Studies
1-3 Semester Hours

LATN 499
Independent Studies
1-3 Semester Hours

Classical Civilizations

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

CLAS 200
Classical Epic (in Translation)
3 Semester Hours

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

CLAS 201
Elementary Sanskrit
3 Semester Hours

The fundamentals of Sanskrit; exercises in reading.

CLAS 202
Intermediate Sanskrit
3 Semester Hours

A continuation of CLAS 201.

CLAS 210
Greek Tragedy (in Translation)
3 Semester Hours

The plays of Aeschylus, Sophocles, and Euripides.

CLAS 220
Ancient Comedy (in Translation)
3 Semester Hours

The plays of Aristophanes, Menander, Plautus, and Terence.

CLAS 230
Ancient Historians (in Translation)
3 Semester Hours

The works of Herodotus, Thucydides, Livy, and Tacitus.

CLAS 298
Special Studies
1-3 Semester Hours

CLAS 299
Independent Studies
1-3 Semester Hours

CLAS 305
Art and Architecture of the Ancient World
3 Semester Hours

A survey of significant monuments of art and architecture in the ancient world, with an emphasis on form and function in the cultural context. This course may be repeated for credit.

CLAS 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.

CLAS 415
Special Topics in Classical Civilizations
3 Semester Hours

This course may be repeated for credit.

CLAS 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.

CLAS 452
Women in Classical Antiquity
3 Semester Hours

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

CLAS 453
Rome and Hollywood
3 Semester Hours

Study of modern cinematic representations of Roman civilization.

CLAS 454
Greek Cinema
3 Semester Hours

Study of the reworking of themes from Greek myth and literature in Greek cinema.

CLAS 498
Special Studies
1-3 Semester Hours

CLAS 499
Independent Studies
1-3 Semester Hours

Archaeology

ARCH 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.

ARCH 301
Rapid Readings in Classical Hebrew
3 Semester Hours

Selected readings in both prose and poetry.

ARCH 354
Near Eastern Religions
3 Semester Hours

Study of the religions, rituals, and pantheons of ancient Near Eastern societies.

ARCH 361
Ancient Near East
3 Semester Hours

Study of the Near Eastern background of classical civilizations from the Neolithic to the Hellenistic periods.

ARCH 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.

ARCH 363
Archaeology and the Bible
3 Semester Hours

Study of selections from the Old or New Testament, combining historical criticism and exegesis with the relevant archaeological data. This course may be repeated for credit.

ARCH 364
Principles of Archaeology
3 Semester Hours

Modern archaeological methodology, theory, and interpretation.

ARCH 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.

ARCH 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.

ARCH 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.

ARCH 404
Egyptology
3 Semester Hours

Study of Egypt from the Neolithic to the Roman period: history, culture, religion, art, language, and literature.

ARCH 411
Near Eastern Archaeology Lab
1-3 Semester Hours

This course may be repeated for credit.

Prerequisite: ARCH 401 or concurrent enrollment.

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: CLAS 200, 210, 220, 230, 402, 451, 452; DANC 390; HIST 410, 450; THST 322; or any course in Ancient Greek (GREK 101-415).

MDGK 100
Modern Greece
3 Semester Hours

Introduction to Modern Greek language, culture, and history.

MDGK 101
Elementary Modern Greek I
3 Semester Hours

An introductory course covering the fundamentals of grammar, syntax, reading skills, and oral expression.

MDGK 102
Elementary Modern Greek II
3 Semester Hours

Continuation of MDGK 101.

MDGK 198
Special Studies
1-3 Semester Hours

MDGK 199
Independent Studies
1-3 Semester Hours

MDGK 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.

MDGK 204
Intermediate Modern Greek II
3 Semester Hours

A course aimed at furthering proficiency through reading, listening comprehension, composition, and discussion.

MDGK 298
Special Studies
1-3 Semester Hours

MDGK 299
Independent Studies
1-3 Semester Hours

MDGK 305
Art and Architecture of the Ancient World
3 Semester Hours

A survey of Greek art from the Neolithic age through the Hellenistic period.

MDGK 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.

MDGK 325
Advanced Modern Greek Conversation
3 Semester Hours

Texts from prose and poetry serve as a basis for advanced discussion and composition.

MDGK 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.

MDGK 354
Greek Cinema
3 Semester Hours

Study of the reworking of themes from Greek myth and literature in Greek cinema.

MDGK 398
Special Studies
1-3 Semester Hours

MDGK 399
Independent Studies
1-3 Semester Hours

MDGK 450
Modern Greek History and Society
3 Semester Hours

An examination of the crises and challenges that have shaped Modern Greek society, the transformations that have taken place, and the culture and literature it produced.

MDGK 498
Special Studies
1-3 Semester Hours

MDGK 499
Independent Studies
1-3 Semester Hours

The Basil P. Caloyeras Center also sponsors the following courses with other Departments:

CLAS 305 Art and Architecture of the Ancient World

DANC 390 Dances of Greece

HIST 410 History of the Byzantine Empire

THST 322 Greek Orthodox Tradition



Economics

Faculty:

Chairperson: Robert Singleton
 Professors: James Devine, James Konow, Seid Zekavat
 Associate Professors: Joseph E. Earley, Zaki Eusufzai,
 Kamal Shoukry, Robert Singleton, Renate Thimester

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 Chairperson can direct these students to the Graduate Advisor, who will recommend how to structure their curriculum accordingly.

Bachelor of Arts (B.A. Economics)

At least eight upper division economics courses are needed for the B.A. degree in Economics, although students can take up to ten. Five of these courses are required: ECON 310, 320, 322, 410, and 540. ECON 310, 320, 322, and 410 should be taken in the sophomore or junior year and ECON 540 in the senior year. Upper division economics courses must be taken in the LMU Economics Department, except by prior permission of the Chair. 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)

At least eight upper division economics courses are needed for the B.S. degree in Economics, although students can take up to ten. Seven of these courses are required: ECON 310, 320, 322, 410, 530, 532, and 540. ECON 310, 320, 322, and 410 should be taken in the sophomore or junior year and ECON 530, 532, and 540 in the senior year. Upper division economics courses must be taken in the LMU Economics Department, except by prior permission of the Chair. 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.

Bachelor of Arts (B.A. Economics) with an International Emphasis

At least eight upper division economics courses are needed for the B.A. degree in Economics with an International emphasis, although students can take up to ten. Seven of these courses are required: ECON 310, 320, 322, 470, 471, 474, and 540. ECON 310, 320, and 322 should be taken in the sophomore or junior year, and ECON 470, 471, 474, and 540 should be taken in the junior or senior year. Upper division economics courses must be taken in the LMU Economics Department, except by prior permission of the Chair. The B.A. degree with an International emphasis is suitable for students who intend to pursue careers in international agencies of government, NGO, and private corporations doing business in the international arena.

Business and 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 and 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 in College 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 the 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

Spring Semester
ECON 320
ECON 410

Senior Year

Fall Semester
ECON 530 *
ECON elective

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.

ECON 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.

ECON 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.

ECON 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.

ECON 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).

ECON 310
Intermediate Microeconomics
3 Semester Hours

Analysis of consumer behavior, utility theory, individual and market demand, technology, cost theory, competition, consumer and producer surpluses, monopoly, price discrimination, classical oligopoly theory, game theory, and resource markets.

Prerequisites: ECON 110, MATH 131 (or 112).

Offered in the Fall semester only.

ECON 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.

ECON 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.

ECON 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.

ECON 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.

ECON 334
Business Forecasting
3 Semester Hours

Analysis of a wide range of forecasting methods, including regression, smoothing, and arima models.

ECON 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.

ECON 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.

ECON 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.

ECON 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.

ECON 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.

ECON 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.

ECON 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.

ECON 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.

ECON 410
Advanced Microeconomics

3 Semester Hours

Economics of public expenditures: General equilibrium analysis for exchange and production economies, public goods, externalities, social insurance, information theory including adverse selection and moral hazard, cost-benefit analysis, choice under uncertainty, welfare economics.

Prerequisite: ECON 310.

Offered in the Spring semester only.

ECON 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 110 and consent of instructor or ECON 310.

ECON 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 110 and consent of instructor or ECON 310.

ECON 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.

ECON 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.

ECON 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 110 and 120 and consent of instructor or ECON 310 and 320.

ECON 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: ECON 310, MATH 131 (or 112), or consent of instructor. Recommended: ECON 320.

ECON 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.

ECON 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., Theresia de Vroom, David G. Killoran,
 Richard L. Kocher, Sharon Locy, John Menaghan,
 Barbara Roche Rico, Chuck Rosenthal, Greg Sarris,
 Lucy Wilson, Gail Wronsky
 Associate Professors: Paul Harris, Holli Levitsky,
 John Reilly
 Assistant Professors: Stuart Ching, K.J. Peters,
 Kelly Younger

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 either ENGL 200 or 202; ENGL 203 and 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.

One course in English and/or American Literature prior to 1800, excluding Shakespeare.

One of the two survey courses in the History of American Literature (ENGL 371 or 372).

Two courses in English and/or American Literature after 1800.

One course in Theory (selected from ENGL 361, 422, 423, 467, 559, 561, 562, 564, 565, 566, 567, 569, 574, 575, 576, 577, 578, 579, or 580).

One course in Comparative Literatures (includes any course 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, 200 or 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.

II. The English Major: Writing Emphasis

A minimum of 27 semester hours in upper division courses.

Upper Division Requirements:

ENGL 321 or 322.

One of the two survey courses in the History of American Literature (ENGL 371 or 372).

One course in English or American Literature after 1800.

Two 400- or 500-level writing courses, excluding ENGL 402 and 569.

One course in Theory (selected from ENGL 361, 422, 423, 467, 559, 561, 562, 564, 565, 566, 567, 569, 574, 575, 576, 577, 578, 579, or 580).

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, 200 or 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 200 or 201 or 202 and at least one "survey" course selected from ENGL 203, 204, 371, or 372 must be included. At least nine semester hours, exclusive of ENGL 371 or 372, 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 or 371 to fulfill this pre-1800 course requirement, but then they must take a second course from ENGL 203, 204, 371, or 372 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.

Bellarmino 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	402	Writing Internship in Media
ENGL	403	Writing Workshop in Non-Fiction: Advanced
ENGL	405	Literary Non-Fiction
ENGL	406	Journalism: The Interview
ENGL	407	Reviewing the Arts
ENGL	408	Journalism: Editing
ENGL	463	The Essay
ENGL	469	Practicum in Journalism I
ENGL	470	Practicum in Journalism II
ENGL	498	Creative Non-Fiction: New Journalism
ENGL	562	Contemporary Rhetorical Theory
ENGL	567	Style in Writing
ENGL	574	Rhetoric and Media
ENGL	575	The Art of Rhetoric

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.

A Pre-Journalism Curriculum Completion Certificate is available to those students who successfully complete (earning a C [2.0] or better in each course) 18 units of approved pre-journalism coursework. Bring transcript showing 18 units of accepted completed courses to Dr. Bannister at least two months prior to intended graduation.

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 administrative assistant 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.

ENGL 020 Elective Reading Lab I

0 Semester Hours

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.

ENGL 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.

ENGL 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.

ENGL 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.

ENGL 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.

ENGL 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.

A grade of C (2.0) or better is required, along with a grade of CR in ENGL 113 if applicable.

ENGL 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.

This elective lab is taken concurrently with English 112 upon recommendation of the instructor.

Credit/No Credit grading.

ENGL 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.

ENGL 130
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.

ENGL 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.

ENGL 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.

ENGL 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.

ENGL 198
Special Studies
1-3 Semester Hours

ENGL 199
Independent Studies
1-3 Semester Hours

ENGL 200
The Language of Drama
3 Semester Hours

An introduction to creating drama and writing about it.

Open to English majors and minors, and screenwriting majors.

ENGL 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, and screenwriting majors.

ENGL 202
The Language of Fiction
3 Semester Hours

An introduction to creating fiction and writing about it.
 Open to English majors and minors, and screenwriting majors.

ENGL 203
The History of British Literature I
3 Semester Hours

British literature from the Anglo Saxons to the end of the eighteenth century.
 Required of all English majors.

ENGL 204
The History of British Literature II
3 Semester Hours

British literature from Romanticism through the Moderns.
 Required of all English majors.

ENGL 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.

ENGL 298
Special Studies
1-3 Semester Hours

ENGL 299
Independent Studies
1-3 Semester Hours

ENGL 301
Writing for Journalism I: Workshop
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.

ENGL 302
Writing the Article: Workshop
3 Semester Hours

Techniques of writing and marketing the magazine article.

ENGL 303
Writing for Business and Industry: Workshop
3 Semester Hours

Writing business letters, proposals, and reports.

ENGL 304
Writing for Advertising
3 Semester Hours

Writing strategies for advertising.

ENGL 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.

ENGL 308
Narrative and Memory: Workshop
3 Semester Hours

An introduction to reading and writing memoirs.

ENGL 311
Writing Workshop in Fiction: Intermediate
3 Semester Hours

Prerequisite: ENGL 202.

ENGL 312
Writing Workshop in Poetry: Intermediate
3 Semester Hours

Prerequisite: ENGL 201.

ENGL 313
Playwriting: Workshop
3 Semester Hours

An introduction to writing for the stage.

Prerequisite: ENGL 200.

ENGL 321
Shakespeare: The Major Plays
3 Semester Hours

ENGL 322
Studies in Shakespeare
3 Semester Hours

An in-depth study of Shakespeare's writings.

This course is repeatable for degree credit up to two times provided new course material (literature) is covered and a new subtitle has been designated.

ENGL 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.

ENGL 325
Contemporary Poetry
3 Semester Hours

British and American poetry from Wallace Stevens to the present.

ENGL 326
Contemporary Drama
3 Semester Hours

British, American, and continental drama since World War II.

ENGL 331
Principles of Poetry
3 Semester Hours

A study of the form and language of poetry; close reading and explication of selected poems.

ENGL 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.

ENGL 333
The Bible as Literature
3 Semester Hours

A study of selections from the Old and New Testaments as literary works.

ENGL 341
Studies in World Literature
3 Semester Hours

A study of literature(s) written outside the United States and Britain.

ENGL 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.

ENGL 343
Twentieth-Century Women's Writing
3 Semester Hours

A study of literary and critical texts written by women in the 20th century.

ENGL 344
Survey of African American Writing
(See AFAM 396)

ENGL 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.

ENGL 346
Children's Literature
3 Semester Hours

ENGL 347
Black Men, White Women
3 Semester Hours

Literature portraying illicit love relationships between black men and white women from Shakespeare to contemporary times.

ENGL 348
Modern Southern Fiction
3 Semester Hours

A study of the extraordinary artistry and unique vision of novelists from the American South, including Faulkner, Hurston, O'Connor, and Percy.

ENGL 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).

ENGL 361
Reading Methods
3 Semester Hours

A survey of various methods of reading literary texts.

ENGL 371
American Literature I
3 Semester Hours

A survey of American literature from colonial times to 1865.

ENGL 372
American Literature II
3 Semester Hours

A survey of American literature from 1865 to the present.

ENGL 398
Special Studies
1-3 Semester Hours

ENGL 399
Independent Studies
1-3 Semester Hours

ENGL 401
Writing for Journalism II: Workshop
3 Semester Hours

An advanced class in journalistic prose. Readings and assignments cover hard news, feature stories, and New Journalism.

ENGL 402
Writing Internship in Media
3 Semester Hours

Students enrolled in this course work 10-12 hours per 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.

ENGL 403
Writing Workshop in Non-Fiction: Advanced
3 Semester Hours

Individually directed projects in a variety of expository forms.

ENGL 404
Advanced Composition
3 Semester Hours

Principles and practice of expository writing for upper-division students.

ENGL 405
Literary Non-Fiction: Workshop
3 Semester Hours

An advanced course in non-fiction prose, with practice in both creating and analyzing non-fiction.

ENGL 406
Journalism: The Interview: Workshop
3 Semester Hours

A course in interview strategies for journalists.

ENGL 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.

ENGL 408
Journalism: Editing Workshop
3 Semester Hours

A course in editing techniques for journalists.

ENGL 411
Writing Workshop in Fiction: Advanced
3 Semester Hours

Individually directed projects in a variety of fiction forms.

Prerequisites: ENGL 202 and 311.

ENGL 412
Writing Workshop in Poetry: Advanced
3 Semester Hours

A workshop for advanced poetry writing students.

Prerequisites: ENGL 201 and 312.

ENGL 413
Playwriting Workshop: Advanced
3 Semester Hours

A workshop for advanced playwriting students.

Prerequisites: ENGL 200 and 313.

ENGL 422
Prosody: Workshop
3 Semester Hours

A study of poetic forms, based on the close reading and imitation of those forms. This class may count as either a theory or a writing class.

ENGL 423
Course on Nothing
3 Semester Hours

A writing and theory course that explores the concept of nothingness from an interdisciplinary perspective.

ENGL 463
The Essay
3 Semester Hours

An introduction to the basic styles and forms of the essay, surveyed historically.

ENGL 465
Research and Writing
3 Semester Hours

A course in research methods applied to an individual author stipulated by the instructor.

ENGL 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.

ENGL 469
Practicum in Journalism I
1-3 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 Chairperson and instructor needed to enroll.

ENGL 470
Practicum in Journalism II
1-3 Semester Hours

This course is for advanced journalism students who have served as editors for at least one semester and who have completed ENGL 469.

Consent of English Department Chairperson and instructor needed to enroll.

ENGL 498
Special Studies
1-3 Semester Hours

ENGL 499
Independent Studies
1-3 Semester Hours

ENGL 501
Comparative Medieval Studies

3 Semester Hours

A course designed to place the English medieval tradition within the continental framework.

ENGL 502
The Arthurian Romance

3 Semester Hours

A study of Arthurian legend from Geoffrey of Monmouth to Sir Thomas Malory.

ENGL 503
English Literature of the Middle Ages

3 Semester Hours

English literature, from the Normans to the Tudors.

ENGL 504
Chaucer

3 Semester Hours

The works of Chaucer, particularly *The Canterbury Tales*.

ENGL 511
Literature of the Renaissance

3 Semester Hours

English literature, exclusive of drama, from Thomas More to the death of Elizabeth I.

ENGL 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.

ENGL 513
Milton

3 Semester Hours

The poetry and selected prose of John Milton.

ENGL 521
British Literature: 1660-1800

3 Semester Hours

Studies in British literature of the Restoration and eighteenth century, exclusive of the novel.

ENGL 522
Eighteenth-Century English Novel

3 Semester Hours

The development of the English novel in its first century.

ENGL 531
Romantic Poetry

3 Semester Hours

English poetry from Blake to Keats.

ENGL 532
The Nineteenth-Century English Novel

3 Semester Hours

The development of the English novel from Austen to Hardy.

ENGL 533
Victorian Literature

3 Semester Hours

Selected works of major poets and prose writers of the period from 1832 to 1900.

ENGL 534
Literature of the Holocaust

3 Semester Hours

A study of the literature of the Holocaust including fiction, poetry, drama, and film.

ENGL 541
British Fiction: 1900-1950

3 Semester Hours

A study of British novels and short fiction from 1900 to 1950.

ENGL 542
British Fiction: 1950 to the Present
3 Semester Hours

A study of British novels and short fiction from 1950 to the present.

ENGL 543
British Poetry: 1900-1950
3 Semester Hours

A study of the poetry of Yeats, Eliot, Auden, Thomas, and other modernists.

ENGL 544
Modern Irish Literature
3 Semester Hours

A study of Irish literature from 1900 to World War II.

ENGL 545
Contemporary Irish Literature
3 Semester Hours

A study of Irish literature from the end of World War II to the present.

ENGL 546
Irish Renaissance
3 Semester Hours

A study of the period from the 1890s through the 1920s in Ireland focusing on the effort of Irish writers (and others) to preserve the rich legacy of Irish culture and carry it forward into the modern age.

ENGL 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.

ENGL 552
American Romanticism
3 Semester Hours

The study of such representative American writers as Poe, Hawthorne, Melville, and Whitman.

ENGL 553
American Realism and Naturalism
3 Semester Hours

The study of such representative American fiction writers as Twain, James, and Crane.

ENGL 554
Modern American Fiction
3 Semester Hours

The study of such representative novelists as Hemingway, Faulkner, Anderson, and Fitzgerald.

ENGL 555
American Fiction Since 1950
3 Semester Hours

A study of American novels and short fiction from 1950 to the present.

ENGL 556
Modern American Poetry
3 Semester Hours

The study of representative American poets from Whitman to the mid-twentieth century.

ENGL 557
Modern Drama
3 Semester Hours

British, American, and continental drama, from Ibsen to O'Neill.

ENGL 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.

ENGL 559
Survey of Literary Criticism
3 Semester Hours

The principles and practice of literary criticism from the ancient Greeks to World War II.

ENGL 561
Contemporary Literary Criticism
3 Semester Hours

The principles and practice of literary criticism from World War II to the present.

ENGL 562
Contemporary Rhetorical Theory
3 Semester Hours

Textual analysis and production based on contemporary rhetorical theory.

ENGL 563
Creative Writing Seminar
3 Semester Hours

An intensive writing class in fiction, poetry, drama, creative non-fiction, or some combination of these genres.

Prerequisites: Undergraduates must complete ENGL 311 and 411 or ENGL 312 and 412 or ENGL 313 and 413 before enrolling in ENGL 563.

ENGL 564
Narrative Theory
3 Semester Hours

An examination of the structures which govern narrative technique.

ENGL 565
Theory of Teaching Writing and Literature
3 Semester Hours

A course for current and future teachers of composition and literature designed to facilitate the application of theory to pedagogy.

ENGL 566
Metaphor: Theory and Practice
3 Semester Hours

A course investigating metaphor theoretically and in the students' own writing.

ENGL 567
Style in Writing
3 Semester Hours

An examination of prose styles and theories of style to help students develop their own writing styles.

ENGL 568
Advertising Copywriting
3 Semester Hours

Advanced practice in writing ad copy.

ENGL 569
Linguistics
3 Semester Hours

An introduction to issues in linguistics, such as phonology, morphology, syntax, and sociolinguistics.

ENGL 571
Writing the Novella: Workshop
3 Semester Hours

Practice in writing extended narrative forms.

ENGL 574
Rhetoric and Media
3 Semester Hours

A study of persuasion and rhetorical strategies used by the media.

ENGL 575
The Art of Rhetoric
3 Semester Hours

A survey of rhetoric from the classical to the modern period.

ENGL 576
Rhetoric and Composition
3 Semester Hours

A theory course exploring the uses of rhetoric for the composition classroom.

ENGL 577
Major Figures in Rhetoric and Composition
3 Semester Hours

A course exploring one to three major theorists/writers in rhetoric and/or composition.

ENGL 578
Women in Composition and Rhetoric
3 Semester Hours

An exploration of the unique contributions of women to the study and practice of rhetoric and composition.

ENGL 579
The Phenomenology of Reading
3 Semester Hours

A course in the phenomenon of reading from a variety of perspectives—reading theory, linguistics, literary theory, and rhetoric.

ENGL 580
Comparative Drama
3 Semester Hours

An exploration of dramatic text, theory, and criticism that leads the student to an appreciation of theatre both as a literary and performance art.

ENGL 581
Novel into Film
3 Semester Hours

Literature adapted for the screen.

ENGL 582
American Modernism
3 Semester Hours

A study of literary modernism in America.

ENGL 583
Love in the Western World
3 Semester Hours

A study of the representation of tragic love in great works of literature.

ENGL 591
Senior Seminar
3 Semester Hours

A capstone course for the graduating English major.

ENGL 598
Special Studies
1-3 Semester Hours

ENGL 599
Independent Studies
1-3 Semester Hours

Ethics

Director:

Santiago Sia

Objectives:

In response to the need to address ethical issues in the various professions, the Philosophy Department, in conjunction with other departments in the different colleges of the University, offers a minor in Ethics. Its main focus is the deepening and broadening of the students' grasp of the foundations and applications of ethics. It will complement and support the students' chosen major by providing them with the opportunity to pursue ethical inquiry of issues arising from their major study.

The objectives of this program are: 1) to heighten the students' attentiveness to the pervasive moral dimension of human experience; 2) to broaden and deepen their understanding of ethical theories and their foundations; 3) to promote moral deliberation, evaluation, decision, and conduct in concrete human living—in the community; in the professions for which they are being trained; in economic, social, and political institutions; and in the unfolding course of human history.

Minor Requirements:

The minor in Ethics consists of 18 units, which include the two core philosophy courses:

PHIL 160 Philosophy of Human Nature
3 semester hours
 PHIL 320 Ethics
3 semester hours

TWO Foundations Courses:

One course selected from these Philosophy courses:

PHIL 331 Political Philosophy
 PHIL 332 Philosophy of Law
 PHIL 351 Philosophy of Culture
 PHIL 352 Philosophy of the Arts
 PHIL 353 Philosophy and Literature
 PHIL 361 Philosophy of God
 PHIL 363 Personalism
 PHIL 366 Philosophy of Religion
 PHIL 424 Existentialism
 PHIL 451 Major Thinkers
3 semester hours

One foundations course in ethics offered by departments in any of the colleges in the University.
3 semester hours

TWO Applications Courses:

One course in Applied Ethics related to the student's college of origin chosen from PHIL 321-329.
3 semester hours

One elective course in Applied Ethics selected from the PHIL 321-330 options without regard for the student's college of origin.
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. This requirement may be waived or modified based upon proficiency demonstrated on an LMU language placement examination.

Upper Division Requirement (27 units):

24 units of upper division courses selected from regular offerings of the Departments of Art and Art History, Classics and Archaeology, Communication Studies, 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, and mandatory for all seniors, EURO 500 (3 units).

OR

18 units of upper division courses selected as described above, and 6 units of a second European language at the lower division level, and mandatory for all seniors, EURO 500 (3 units).

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, ITAL, MDGK, SPAN) and the Classics and Archaeology Department (GREK, LATN). It is recommended that EURO majors select core curriculum classes with a European focus.

EURO 181 European Language and Culture I

3 Semester Hours

Introduction to a specific European language. Designed for complete beginners. No placement test necessary upon on-site arrival.

Only available to LMU Study Abroad Program students.

EURO 182 European Language and Culture II

3 Semester Hours

Designed for false beginners—i.e., students who either took a language a long time ago and do not remember it, or students who were exposed to the language, but not in a formal way—in a specific European language. Students will take a placement test upon on-site arrival to be assigned to the appropriate level.

Only available to LMU Study Abroad Program students.

EURO 198 Special Studies

1-3 Semester Hours

EURO 199 Independent Studies

1-3 Semester Hours

EURO 283
European Language and Culture III
3 Semester Hours

Designed for students with intermediate proficiency in a specific European language. Students will take a placement test upon on-site arrival to be assigned to the appropriate level.

Only available to LMU Study Abroad Program students.

EURO 284
European Language and Culture IV
3 Semester Hours

Designed for students with intermediate to advanced proficiency in a specific European language. Students will take a placement test upon on-site arrival to be assigned to the appropriate level.

Only available to LMU Study Abroad Program students.

EURO 298
Special Studies
1-3 Semester Hours

EURO 299
Independent Studies
1-3 Semester Hours

EURO 371
European Art and Literature of Consciousness
3 Semester Hours

Comparative study of contemporary European literature and the arts.

(This course can fulfill some of the requirements for the major in European Studies.)

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

EURO 372
Paris through French Film
3 Semester Hours

From French New Wave to the present.

(This course can fulfill some of the requirements for the major in European Studies.)

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

EURO 373
Paris Metisse: Multiculturalism in Paris
3 Semester Hours

The course's objective is to understand the concept of "métissage" in contemporary Parisian society through contact with the modern arts—poetic, pictorial, and musical—through an analysis of various texts and through personal interviews with exiles.

(This course can fulfill some of the requirements for the major in European Studies.)

Only available to students in the LMU Summer Study Abroad Program in Paris, France.

EURO 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.

EURO 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.

EURO 398
Special Studies
1-3 Semester Hours

EURO 399
Independent Studies
1-3 Semester Hours

EURO 498
Special Studies
1-3 Semester Hours

EURO 499
Independent Studies
1-3 Semester Hours

EURO 500
Capstone Project
3 Semester Hours

The capstone project consists of a portfolio that meets the objectives of the European Studies major.

Geography

Director:

Peter Hoffman

GEOG 100 **Human Geography**

An introduction to general world patterns of major cultural elements and processes and their influence on relationships between human societies and their environment. Cultural and environmental differences between developed and less developed nations and their regional implications in the modern world are emphasized.

GEOG 125 **Urban Physical Environment** *(See URBN 125)*

GEOG 198 **Special Studies** *1-3 Semester Hours*

GEOG 298 **Special Studies** *1-3 Semester Hours*

GEOG 299 **Independent Studies** *1-3 Semester Hours*

GEOG 360 **Modern Mexico** *3 Semester Hours*

A survey of the distinctive social, cultural, economic, and political elements of modern Mexico. The environmental and historical basis of the country's recent development is examined.

GEOG 365 **Metropolitan Los Angeles** *(See URBN 365)*

GEOG 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.

GEOG 398 **Special Studies** *1-3 Semester Hours*

GEOG 498 **Special Studies** *1-3 Semester Hours*

GEOG 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
 Assistant Professors: Najwa Al-Qattan, Cara Anzilotti,
 Jok Madut Jok, Suzanne O'Brien

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 or 101; one course from 161 or 162. At least 9 semester hours must be from upper division course offerings.

Lower Division Courses

HIST 100 **Foundations of Western Civilization to 1500** *3 Semester Hours*

Survey of Western civilization in the ancient and medieval periods.

HIST 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.

HIST 152 **Modern Middle East** *3 Semester Hours*

An introduction to the social and political history of the Middle East during the 19th and 20th centuries.

HIST 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.

HIST 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.

HIST 172
Modern Latin America
3 Semester Hours

An introduction to 19th- and 20-century developments in Latin America.

HIST 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.

HIST 192
Contemporary Africa
3 Semester Hours

An introduction to the history of sub-Saharan Africa, from colonial to independent status.

Upper Division Courses

Historical Method Courses

HIST 310
History and Historians
3 Semester Hours

An introduction to the study of history, including historical method, writing of history, and historical interpretation.

HIST 330
History as Detective
3 Semester Hours

This course on historical evidence examines the sources which historians use: oral tradition, archeology, objects, sites, and documents.

Area 1: Europe

HIST 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.

HIST 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.

HIST 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.

HIST 324
Revolutionary Europe, 1750-1850
3 Semester Hours

A study of European cultural change ranging from Romanticism to industrialization, materialism to religious revival.

HIST 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.

HIST 327
Twentieth-Century Europe
3 Semester Hours

Europe from 1900 to the present with emphasis on political and social history.

HIST 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.

HIST 405
History of Ancient Greece
3 Semester Hours

The history of Greece from its origins to the death of Philip of Macedon.

HIST 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.

HIST 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.

HIST 408
Imperial Rome
3 Semester Hours

A study of the Roman Empire and world to the seventh century and the end of antiquity.

HIST 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.

HIST 411
Birth of Europe
3 Semester Hours

An examination of the institutional, intellectual, and cultural growth of Europe from 400 to 1050.

HIST 412
The Later Middle Ages
3 Semester Hours

A study of the flowering of medieval civilization in Europe from 1050 to 1450.

HIST 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.

HIST 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; and its cultural expressions.

HIST 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.

HIST 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.

HIST 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.

HIST 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.

HIST 435
Modern Germany
3 Semester Hours

An analysis of the political, economic, social, and cultural developments during the 19th and 20th centuries.

HIST 441
Anglo-Saxon and Norman England
3 Semester Hours

A study of early medieval England from the Celts to the Magna Carta.

HIST 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.

HIST 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.

HIST 447
Modern Ireland
3 Semester Hours

Examines Ireland's struggles for independence from England, ranging from Cromwell's conquests to the "current troubles."

HIST 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.

HIST 450
Modern Greek History
3 Semester Hours

History of the modern Greek state and the Balkans during the 19th and 20th centuries.

Area 2: United States

HIST 340
American Slavery and Racism
3 Semester Hours

A survey of the origins and evolution of slavery and racism in American society.

HIST 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.

HIST 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.

HIST 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.

HIST 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 19th 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.

HIST 355
Women in Modern American History
3 Semester Hours

An exploration of women's experience in American history from the late 19th century to the present, considering the impact of changing gender roles on American society, culture, and politics.

HIST 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.

HIST 357
Immigrant American
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.

HIST 360
Chicana/o History
(See CHST 360)

HIST 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.

HIST 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.

HIST 366
History of California
3 Semester Hours

The political, economic, social, and cultural development of California from its Spanish origins to the present.

HIST 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.

HIST 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.

HIST 461
Revolutionary America, 1763-1787
3 Semester Hours

The origins, course, and results of the American Revolution; the Articles of Confederation.

HIST 462
The Young Republic, 1787-1815
3 Semester Hours

Formation of the Constitution; formation of political parties; cultural, economic, social, and diplomatic developments.

HIST 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.

HIST 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, and problems of reconstruction.

HIST 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.

HIST 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.

HIST 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 détente.

HIST 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.

HIST 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.

Area 3: World Regions

HIST 300
History of Global Encounters before 1500
3 Semester Hours

A history of global encounters among the regions of the Middle East, the Mediterranean World, Europe, and Asia. It will include a focus on the exchange of ideas, trade, and cultural developments.

HIST 301
History of Global Encounters after 1500
3 Semester Hours

A history of global encounters during the early modern and modern periods that includes the regions of the Middle East, Africa, Latin America, Asia, and Europe. It will examine the global impact of Christianity, Islam, and the market economy. Through the use of primary and secondary sources, different interpretations are offered on historic and current events.

HIST 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.

HIST 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.

HIST 390
African Kingdoms
3 Semester Hours

A study of significant kingdoms of Black Africa exploring the major themes of the period.

HIST 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.

HIST 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.

HIST 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 20th century that will be based on essays and novels written by Middle Eastern men and women.

HIST 459
The Palestine/Israel Conflict
3 Semester Hours

This course will trace the history of the conflict from its beginnings in the 19th century to the present. It will cover Zionism, Ottoman Palestine, and the conflict itself in its regional and international contexts.

HIST 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.

HIST 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 19th century, just prior to full-scale contact with the Western world.

HIST 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.

HIST 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.

HIST 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.

HIST 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.

HIST 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.

Seminars

Area 1: Europe

HIST 501
Seminar in European History
3 Semester Hours

HIST 505
Seminar in Ancient History
3 Semester Hours

HIST 510
Seminar in Medieval History
3 Semester Hours

HIST 515
Seminar in Early Modern Europe
3 Semester Hours

HIST 520
Seminar in Late Europe
3 Semester Hours

Area 2: United States

HIST 550
Seminar in American History
3 Semester Hours

HIST 555
Seminar in Early America
3 Semester Hours

HIST 560
Seminar in 19th Century America
3 Semester Hours

HIST 565
Seminar in Recent America
3 Semester Hours

Area 3: World Regions

HIST 570
Seminar in Latin America
3 Semester Hours

HIST 580
Seminar in Asian History
3 Semester Hours

HIST 585
Seminar: Achilles in Vietnam
3 Semester Hours

HIST 590
Seminar in African History
3 Semester Hours

HIST 595
Seminar in Modern Middle East
3 Semester Hours

Senior Thesis

HIST 500
Senior Thesis
3 Semester Hours

A course for those students who wish to conduct independent research under faculty direction.

Special and Independent Studies

HIST 398
Special Studies
1-3 Semester Hours

HIST 399
Independent Studies
1-3 Semester Hours

HIST 498
Special Studies
1-3 Semester Hours

HIST 499
Independent Studies
1-3 Semester Hours

HIST 598
Special Studies
1-3 Semester Hours

HIST 599
Independent Studies
1-3 Semester Hours

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 Archaeology, 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.

HMNT 497 Integrating Project 1 Semester Hour

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.

Study Abroad

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.

IRST 198 Special Studies

IRST 298 Special Studies *1-3 Semester Hours*

IRST 299 Independent Studies *1-3 Semester Hours*

IRST 300 Modern Irish Literature *3 Semester Hours*

A study of Irish literature from 1900 to World War II.

IRST 301 Beyond the Pale: The Irish and the Harlem Renaissances *3 Semester Hours*

A comparative study of two nearly simultaneous cultural movements designed to rescue oppressed cultures from annihilation.

IRST 302 (Un)Civil (W)Rites: Contemporary African American, Northern Irish, and 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.

IRST 303 Contemporary Irish Literature *3 Semester Hours*

A study of Irish Literature from the end of World War II to the present.

IRST 304
The Irish Renaissance
3 Semester Hours

A study of the period from the 1890s through the 1920s in Ireland focusing on the effort of Irish writers (and others) to preserve the rich legacy of Irish culture and carry it forward into the modern age.

IRST 309
Ireland in Fiction and Film
3 Semester Hours

An examination of the diverse images of Ireland put forth by various writers and directors.

IRST 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."

IRST 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.

IRST 318
Anglo-Saxon and Norman England
3 Semester Hours

A study of early medieval England from the Celts to the Magna Carta.

IRST 319
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.

IRST 330
Irish Drama
3 Semester Hours

A study of Irish drama from Yeats to Beckett and beyond.

IRST 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.

IRST 350
World Dance: Ireland
3 Semester Hours

Intensive study of Irish dance with particular attention to historical and cultural perspectives.

IRST 360
Studies in Irish Culture
3 Semester Hours

An examination of Irish culture, including literature, history, politics, art, film, music, and dance.

IRST 398
Special Studies
1-3 Semester Hours

IRST 399
Independent Studies
1-3 Semester Hours

IRST 435
National Film: Ireland
3 Semester Hours

An in-depth study of the films of Ireland. Screenings, lectures, and discussions. Lab fee.

IRST 441**Irish Moral and Political Philosophy***3 Semester Hours*

An examination of historical, religious, and moral issues in contemporary Irish politics. Topics include "The Troubles" in Irish cinema, political sovereignty, the use of violence to achieve political ends, and the morality of hunger strikes.

IRST 498**Special Studies***1-3 Semester Hours***IRST 499****Independent Studies***1-3 Semester Hours***IRST 598****Special 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

FNCE 448 International Finance
 MGMT 440 Global Business Today
 MKTG 444 International Business
 MKTG 445 International Marketing
 MKTG 446 International Negotiations
 MKTG 447 International Business Law

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 444 Crown and Parliament in England, 1485-1714
 HIST 446 Great Britain, 1714-Present
 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
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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.

LIBA 101 **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.

Credit/No Credit grading.

LIBA 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.

LIBA 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.

Credit/No Credit grading.

LIBA 171 **An Orientation to Learning II**

1 Semester Hour

Prerequisite: LIBA 170.

Encore students only.

Credit/No Credit grading.

LIBA 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.

Credit/No Credit grading.

LIBA 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.

Credit/No Credit grading.

LIBA 291 **Intercultural Practicum I**

1 Semester Hour

This course will teach students advanced human relations skills and provide them the occasion for integrating intercultural theory and practice in an increasingly diverse society.

Credit/No Credit grading.

LIBA 292 **Intercultural Practicum II**

2 Semester Hours

This course will teach students advanced skills in cross-cultural conflict management, intercultural leadership, strategies for organizational change in multiethnic settings, institutionalizing social change, and preparing personal action plans.

Prerequisite: LIBA 291.

Credit/No Credit grading.

Completion of LIBA 291 and 292 earns the Certificate for Intercultural Competence.

LIBA 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 AFAM 115, APAM 117, or CHST 116; and

the science requirement must include a biological, an earth/space, and a physical science course: PHYS 151 or NTLS 270 (see below).

II. Additional Liberal Studies Requirements

28 Semester Hours

EDUC 414 (Theories of Second Language Acquisition)

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)

NTLS 270 (Experimenting in Science) or PHYS 151 (a laboratory science in the fundamentals of Physics)

PSYC 352 (Developmental Psychology)

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 L. Eich,
Véronique Flambard-Weisbart, Petra Liedke Konow,
Marc Lony

Assistant Professors: Rebeca Acevedo,
José Ignacio Badenes, S.J., Alicia Partnoy,
Antonia Petro

Objectives:

Imparting competence in a given language is the first concern of the Department of Modern Languages and 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.

CHIN 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.

CHIN 102 **Elementary Chinese II** *3 Semester Hours*

Prerequisite: CHIN 101 or consent of instructor.

CHIN 198 **Special Studies** *1-3 Semester Hours*

CHIN 199 **Independent Studies** *1-3 Semester Hours*

CHIN 203 **Intermediate Chinese I** *3 Semester Hours*

Prerequisites: CHIN 101, 102, or consent of instructor.

CHIN 204 **Intermediate Chinese II** *3 Semester Hours*

Prerequisites: CHIN 101, 102, 203, or consent of instructor.

CHIN 298
Special Studies
1-3 Semester Hours

CHIN 299
Independent Studies
1-3 Semester Hours

CHIN 398
Special Studies
1-3 Semester Hours

CHIN 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.

FNLT 180
World Literature
3 Semester Hours

A study of selected texts from international literature.

FNLT 341
Introduction to Modern Greek Literature
3 Semester Hours

A study of the works of Kazantzakis, Cavafy, Seferis, Elytis, and Ritsos.

FNLT 398
Special Studies
1-3 Semester Hours

FNLT 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 LMU's Summer Study Abroad Program in Paris, France.

Major Requirements:

Lower Division Requirements:

FREN 101, 102, 203, 204.

These requirements may be waived or modified based upon proficiency demonstrated on the LMU French Placement Examination. For majors, a grade of C (2.0) is required in all pre-major courses.

Upper Division Requirements:

27 semester hours in upper division courses: FREN 314, 321, 322, 331, 341, three courses in the 400 series, and 500.

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, 312, 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.

French Placement Exam

Any student who has knowledge of or has had prior instruction in French in high school or at a college or university other than LMU must take the French Placement Exam. This exam is administered by the Learning Resource Center during the summer Orientation sessions and at the beginning of the Fall and Spring terms.

This requirement includes students who have taken the AP French Exam in high school. Generally, a student who receives a score of 5, 4, or 3 on the AP French Exam (Language or Literature) places in FREN 204. Final placement is conditional upon the instructor's consent. Course credit will be given for FREN 101, 102, and 203 once the student's official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

FREN 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.

FREN 102 Elementary French II 3 Semester Hours

A continuation of FREN 101.

Prerequisite: FREN 101 or equivalent.

FREN 203 Intermediate French 3 Semester Hours

A continuation of FREN 102.

Prerequisite: FREN 102 or equivalent.

FREN 204 Advanced French 3 Semester Hours

Review of the main points of basic grammar and the study of more complex linguistic patterns in French. Includes practice in speaking, listening, and writing through discussion of short texts, written exercises, and compositions. Prepares students for the Test National de Français.

Prerequisite: FREN 203 or equivalent.

FREN 298 Special Studies 1-3 Semester Hours

FREN 299
Independent Studies
1-3 Semester Hours

FREN 314
Stylistics and Translation
3 Semester Hours

A study of different modes of writing and of the major grammatical, stylistic, and vocabulary challenges encountered when translating from English into French and vice versa. Practice with a broad range of literary, professional, and journalistic texts.

Prerequisite: FREN 204 or equivalent.

FREN 321
Writing Workshop in French
3 Semester Hours

A course designed to improve written expository prose in French. We will practice various forms of writing such as intensive, extensive, and team writing, through the innovative approach of global simulations.

Prerequisite: FREN 204 or equivalent.

FREN 322
History of Ideas
3 Semester Hours

A study of the evolution of the social, political, and philosophical ideas in France expressed in a variety of forms.

Prerequisite: FREN 204 or equivalent (321 recommended).

FREN 331
Modes of Reading
3 Semester Hours

An overview of French literature through the study of representative writers in all genres (plays, novels, poetry, and essays) across the centuries.

Prerequisite: FREN 204 or equivalent (321 recommended).

FREN 341
France through Its Media
3 Semester Hours

A study of French culture today through current magazines, newspapers, television programs, and other media.

Prerequisite: FREN 204 or equivalent (321 and 322 recommended).

FREN 398
Special Studies
1-3 Semester Hours

FREN 399
Independent Studies
1-3 Semester Hours

FREN 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.

Recommended: FREN 321 and 341.

FREN 432
Women Writers in French
3 Semester Hours

An examination of the issues raised in women's writings in French.

Recommended: FREN 321, 322, and 331.

FREN 433
Francophone Literature
3 Semester Hours

A study of representative writers from the French-speaking world outside of France.

Recommended: FREN 321 and 341.

FREN 441
Literature and Society in Post-Revolutionary France

3 Semester Hours

A study of modernity through selected themes in French novels, short fiction, drama, and poetry by major writers of the post-revolutionary period.

May be repeated as specific content changes.

Recommended: FREN 321, 322, and 331.

FREN 442
Literature and Society in Pre-Revolutionary France

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.

May be repeated as specific content changes.

Recommended: FREN 321, 322, and 331.

FREN 443
Selected Topics in French

3 Semester Hours

Topics in French literature and culture.

May be repeated as specific content changes.

Recommended: FREN 321, 322, and 331.

FREN 498
Special Studies

1-3 Semester Hours

FREN 499
Independent Studies

1-3 Semester Hours

FREN 500
Senior Project

3 Semester Hours

The senior project consists of a portfolio demonstrating that the goals of the French/Francophone Studies major have been met.

Prerequisites: Majors only and senior standing.

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 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 in the department's language center. 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 (ZD) which is internationally recognized and certifies 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 283 each semester. Upper division German courses are also available with advanced GRMN 381 offered on a regular basis.

GRMN 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.

GRMN 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.

GRMN 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.

GRMN 201
Intermediate German I
3 Semester Hours

Continuation of GRMN 102. Designed to consolidate and further develop oral competence, grammar, reading, and writing.

GRMN 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.

GRMN 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.

GRMN 298
Special Studies
1-3 Semester Hours

GRMN 299
Independent Studies
1-3 Semester Hours

GRMN 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 or equivalent.

GRMN 302
Business German
3 Semester Hours

An advanced German course introducing the specialized language of everyday business dealings.

Prerequisite: GRMN 202 or equivalent.

GRMN 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.

Prerequisite: GRMN 202 or equivalent.

GRMN 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 or equivalent.

GRMN 352
German Cinema
3 Semester Hours

A seminar on the historical development of German cinema from German Expressionism to the present.

Prerequisite: GRMN 202 or equivalent.

GRMN 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.

GRMN 398
Special Studies
1-3 Semester Hours

GRMN 399
Independent Studies
1-3 Semester Hours

GRMN 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.

Prerequisite: GRMN 202 or equivalent.

GRMN 432
German Folklore
3 Semester Hours

An introduction to the fairy tales of the Brothers Grimm and the multi-faceted fairy tale research.

Prerequisite: GRMN 202 or equivalent.

GRMN 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.

Prerequisite: GRMN 202 or equivalent.

GRMN 437
Internship Portfolio
3 Semester Hours

In conjunction with MGMT 498 (International Fieldwork Practicum) as part of the New Europe Program in Bonn, Germany. Professional German language skills are demonstrated by means of a portfolio.

Prerequisite: GRMN 202 or equivalent.

GRMN 498
Special Studies
1-3 Semester Hours

GRMN 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.

ITAL 101 **Elementary Italian I** *3 Semester Hours*

An introduction to Italian language and culture, with emphasis on communicative and linguistic skills.

ITAL 102 **Elementary Italian II** *3 Semester Hours*

A continuation of the study of Italian language and culture, with emphasis on communicative and linguistic skills.

Prerequisite: ITAL 101.

ITAL 112 **Beginning Conversational Italian** *3 Semester Hours*

Prerequisite: ITAL 102 or concurrent enrollment.

ITAL 203 **Intermediate Italian** *3 Semester Hours*

A course designed to consolidate and develop the skills introduced in 101 and 102.

Prerequisite: ITAL 102.

ITAL 204 **Advanced Italian** *3 Semester Hours*

A course aimed at advanced proficiency through reading, composition, and discussion of cultural materials.

Prerequisite: ITAL 203.

ITAL 211 **Advanced Conversation** *3 Semester Hours*

Prerequisite: ITAL 203 (may be taken concurrently).

ITAL 298 **Special Studies** *1-3 Semester Hours*

ITAL 299 **Independent Studies** *1-3 Semester Hours*

ITAL 321 **Stylistics and Composition** *3 Semester Hours*

An introduction to reading, writing, and editing texts in Italian. Course work emphasizes the writing process.

Prerequisite: ITAL 204 or equivalent.

ITAL 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.

ITAL 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.

ITAL 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.

ITAL 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.

ITAL 380
Italian Women Writers
3 Semester Hours

Survey of representative works by Italian women writers from various historical periods, with particular focus on the modern and contemporary period.

Prerequisite: ITAL 204 or equivalent.

ITAL 398
Special Studies
1-3 Semester Hours

ITAL 399
Independent Studies
1-3 Semester Hours

ITAL 451
Italian Cinema
3 Semester Hours

An examination of the historical development of Italian cinema from Neorealism to the present.

ITAL 498
Special Studies

1-3 Semester Hours

Japanese

The courses develop listening, speaking, reading, and writing skills. Grammar points are explained in English. The student is provided an opportunity to practice conversation with native speakers to further improve oral skills. Selected topics are presented to enhance awareness and understanding of Japanese culture.

JAPN 101 **Elementary Japanese I** *3 Semester Hours*

An introduction to the fundamentals of Japanese, emphasizing listening and speaking skills. Introduces reading and writing of Hiragana along with essentials of Japanese culture and custom.

JAPN 102 **Elementary Japanese II** *3 Semester Hours*

A continuation of JAPN 101. Katakana and selected Kanji are introduced.

Prerequisite: JAPN 101 or consent of instructor.

JAPN 203 **Intermediate Japanese I** *3 Semester Hours*

A course designed to improve oral proficiency as well as reading and writing skills in Hiragana, Katakana, and Kanji. Increases knowledge and understanding of Japanese culture and customs.

Prerequisite: JAPN 102 or consent of instructor.

JAPN 204 **Intermediate Japanese II** *3 Semester Hours*

A continuation of JAPN 203. A course designed to enable students to express their ideas effectively through the use of more complex linguistic patterns.

Prerequisite: JAPN 203 or consent of instructor.

JAPN 398 **Special Studies** *1-3 Semester Hours*

JAPN 399 **Independent Studies** *1-3 Semester Hours*

JAPN 498 **Special Studies** *1-3 Semester Hours*

JAPN 499 **Independent Studies** *1-3 Semester Hours*

Modern Greek

For courses and curriculum in Modern Greek, see Classics and Archaeology.

Spanish

Major Requirements:

Lower Division Requirements:

SPAN 101, 102, 203, and 204 or 205.

The elementary and intermediate courses may be satisfied by Advanced Placement examination. For majors, a minimum grade of C (2.0) is required in all pre-major 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 432.

Minor in Spanish:

The minor consists of 18 semester hours taken beyond the intermediate level: SPAN 204 or 205, 321, 322 or 330, to be followed by SPAN 331, 332, and one upper division elective.

Spanish Placement Exam:

Any student who has knowledge of or has had prior instruction in Spanish in high school or at a college or university other than LMU must take the Spanish Placement Exam. This exam is administered by the Learning Resource Center during the summer Orientation sessions and at the beginning of the Fall and Spring terms.

This requirement includes students who have taken the AP Spanish Exam in high school. Generally, a student who receives a score of 5, 4, or 3 on the AP Spanish Exam (Language or Literature) places in SPAN 204 (Advanced Spanish) or SPAN 205 (Advanced Spanish for Latino Students). Final placement is conditional upon the instructor's consent. Course credit will be given for SPAN 101, 102, and 203 once the student's official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

All courses are taught in Spanish unless otherwise indicated.

SPAN 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 or knowledge of Spanish.

SPAN 102
Elementary Spanish II
3 Semester Hours

A continuation of Spanish language and culture with emphasis on communicative and linguistic skills.

Prerequisite: SPAN 101 or LMU Placement Exam.

SPAN 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.

SPAN 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 LMU Placement Exam.

SPAN 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, whether written or spoken.

Prerequisite: SPAN 203 or by LMU Placement Exam.

SPAN 205
Advanced Spanish for Latino Students
3 Semester Hours

A course designed to address at the university level the needs and strengths of Spanish-speaking bilingual students. Practice in reading and writing with emphasis on formal registers of Spanish. This course will develop an awareness and appreciation of the formal aspects of grammar while reaffirming the student's oral skills.

Prerequisite: SPAN 203 or by LMU Placement Exam.

SPAN 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.

SPAN 298
Special Studies
1-3 Semester Hours

SPAN 299
Independent Studies
1-3 Semester Hours

SPAN 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.).

Prerequisite: SPAN 204, 205, or by LMU Placement Exam.

SPAN 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, 205, or by LMU Placement Exam.

SPAN 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.

SPAN 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. Includes class 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.

SPAN 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 instructor.

SPAN 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 instructor.

SPAN 398
Special Studies*1-3 Semester Hours***SPAN 399**
Independent Studies*1-3 Semester Hours***SPAN 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.

SPAN 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, and subjunctive among others.

Prerequisite: SPAN 330 or consent of instructor.

SPAN 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, and sentence structure, coordination, and subordination.

Prerequisite: SPAN 330 or consent of instructor.

SPAN 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.

Prerequisite: SPAN 330 or consent of instructor.

SPAN 441
Latin American Novel
3 Semester Hours

A comparative study of representative narratives written by Latin American and/or Latino/a authors during the 19th, 20th, and 21st centuries.

Specific course content depends on the instructor.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 442
Latin American Poetry
3 Semester Hours

Survey and comparative study of Spanish language poetry of the Americas from a variety of historical periods, national origins, and cultural and literary movements.

Specific course content depends on the instructor.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 443
Latin American Women Writers
3 Semester Hours

Survey and comparative study of representative works by Latin American and/or Latina women writers from a variety of historical periods, national origins, and cultural and literary movements.

Specific course content depends on the instructor.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 444
Latin American Drama
3 Semester Hours

An introduction to and comparison of representative works written by Latin American dramatists from a variety of historical periods, national origins, and literary and cultural movements.

Specific course content depends on the instructor.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 445
Latin American Short Story
3 Semester Hours

A comparative and literary study of the short story as well as representative works written by Latin American and/or Latino/a authors from a variety of historical periods, national origins, and literary and cultural movements.

Specific course content depends on the instructor.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 451
Nineteenth-Century Spanish Literature
3 Semester Hours

Analysis of representative literary works and authors of the Spanish 19th century in their historical and cultural contexts through a particular theme and from different perspectives.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 452
Early Modern Spanish Narrative
3 Semester Hours

The course analyzes narrative texts of the early modern period in Spain studied within their historical and cultural contexts. It will pay particular attention to their relevance for modern and contemporary literature.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 453
Twentieth-Century Spanish Literature
3 Semester Hours

Analysis of representative literary works and authors from the Spanish 20th century in their historical and cultural contexts through a particular theme and from different perspectives.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 455
Early Modern Spanish Drama and Poetry
3 Semester Hours

The course analyzes poetic and dramatic works of the early modern period in Spain studied within their historical and cultural contexts. It will pay particular attention to their relevance for modern and contemporary literature.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 457
Spanish Authors
3 Semester Hours

An in-depth study of the work of a specific author, such as Miguel de Cervantes or Federico García Lorca, or a group of authors, such as Spanish women writers.

May be repeated for degree credit, when content varies.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 460
Selected Topics in Spanish Studies
3 Semester Hours

Topics in Peninsular Spanish literature, film, and culture.

May be repeated for degree credit, when content varies.

Prerequisite: SPAN 322 or consent of instructor.

SPAN 498
Special Studies
1-3 Semester Hours

SPAN 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.

TGLG 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.

TGLG 102
Elementary Tagalog II
3 Semester Hours

Continuation of Elementary Tagalog I.

Prerequisite: TGLG 101.

TGLG 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.

TGLG 204
Intermediate Tagalog II
3 Semester Hours

Continuation of Intermediate Tagalog I.

Peace Studies

Director:

Daniel L. Smith-Christopher

Objectives:

In order to accommodate the significant diversity in approaches to peace and justice, Loyola Marymount University's Peace Studies program is a contract-based minor that is arranged on an individual basis, working with the particular interests and study areas of each student. Students may choose from a variety of courses that relate to chosen fields of interest and emphasis, drawing from programs such as Political Science, History, Ethnic Studies, Theological Studies, Philosophy, Classics, English, Sociology, and any number of other departments. The proposed contract, with the suggested list of courses, must be accepted in writing by both the Director of the Program and the Dean of the Bellarmine College of Liberal Arts before the minor is officially entered in the academic record of each student who wishes to enter the program.

Minor Requirements

Eighteen semester hours (6 courses) are required for the minor. There are no required courses, but it is strongly suggested that students take THST 304, War and Peace in the Bible, as a foundation course for the program. There is a limit of 2 courses (6 units) in lower division courses, and a single 400-level course is strongly encouraged. A Thesis/Independent Study option is available to fulfill this recommended course, to be arranged with the Director.

Required Proficiencies

In selecting the program, the student must keep in mind the essential goals of the Peace Studies minor include several proficiencies. Students may accomplish these proficiencies in a variety of ways, but typically it would involve the student selecting class projects or papers with the proficiencies in mind, and then presenting a portfolio during the senior year to the Director of Peace Studies. This portfolio of class papers/assignments will establish the student's completion of these areas of expected proficiency:

- 1) Every Peace Studies minor will demonstrate their ability to differentiate the historical, political, and economic issues surrounding a selected conflict (e.g., the Middle East, Northern Ireland, Sri Lanka, or South Africa).
- 2) Every Peace Studies minor will analyze a historic conflict involving the United States (e.g., WWI, WWII, Korea, or Viet Nam) and its implications for the world in which we live today.
- 3) Every Peace Studies minor will compare the religious arguments that are a part of a specific conflict, or various religious traditions' approaches to war and peace generally.
- 4) Every Peace Studies minor will apply the concept of Nonviolence and Nonviolent Strategy as exemplified in such activists as Gandhi, King, or Abdul Ghaffer Khan (or others by agreement), and/or theorists of Nonviolence such as Gene Sharp, Elise Boulding, or Richard Taylor to their analysis of a selected conflict.

Please direct all questions to the Director of Peace Studies.

Special Events

In addition to the minor, the Peace Studies Program also sponsors speakers and major events during the academic year to promote discussion and awareness of issues related to peace and justice locally, nationally, and internationally. The first "Bellarmine Forum" on World Genocide in 2001 provided speakers on Native American issues, Middle East issues, and Religion and Nonviolence.

Philosophy

Faculty:

Chairperson: TBA

Professors: Jasper Blystone, James G. Hanink,
Mary Elizabeth Ingham, C.S.J., Elizabeth Murray Morelli,
Mark D. Morelli, Timothy Shanahan, Santiago Sia

Associate Professor: W. Scott Cameron

Assistant Professors: Christopher Kaczor,
Thomas Sherman, S.J., 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, and Politics (320 through 334)
- II. Natural and Social Sciences (341, 342, 344)
- III. Arts and Literature (254, 351, 352, 353)
- IV. Religion and Theology (361 through 366)
- V. History of Philosophy (381, 382, 383, 385, 387)
- VI. Contemporary Movements (421 through 426)
- VII. Major Thinkers (451)
- VIII. Mind and Reality (461 through 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 the **first** course to be taken to fulfill the upper division core requirement, PHIL 320 through 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, and 320 through 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 courses listed as PHIL 320 through 330 (upper division core).

PHIL 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.

PHIL 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.

PHIL 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.

PHIL 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.

PHIL 298
Special Studies
1-3 Semester Hours

PHIL 299
Independent Studies
1-3 Semester Hours

I. Morality, Law, and Politics

PHIL 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.

Prerequisite: Junior standing.

PHIL 321
Bioethics
3 Semester Hours

This course looks carefully at the ethical issues that arise in the field of medicine (abortion, euthanasia, physician-assisted suicide, distribution of medical resources and care). Satisfies Applied Ethics for Science and Engineering.

Prerequisite: Junior standing.

PHIL 322
Business Ethics
3 Semester Hours

This course considers the ethical issues that arise in the field of business. Satisfies Applied Ethics for Business Administration.

Prerequisite: Junior standing.

PHIL 323
Crimes and Punishments
3 Semester Hours

This course is an introduction to the current moral debate on criminal punishment.

Prerequisite: Junior standing.

PHIL 324
Engineering Ethics
3 Semester Hours

This course looks at ethical questions that arise in the sciences, especially engineering, focusing on examples such as the *Challenger* disaster and all the decisions that led up to it. Satisfies Applied Ethics for Science and Engineering.

Prerequisite: Junior standing.

PHIL 325
Ethics and the Arts
3 Semester Hours

The course examines the ethical questions that arise within the arts. Satisfies Applied Ethics for Communication and Fine Arts.

Prerequisite: Junior standing.

PHIL 326
Ethics of Love and Marriage
3 Semester Hours

This course focuses on the ethical dimensions of friendship, love, marriage, and commitment.

Prerequisite: Junior standing.

PHIL 327
Ethics and Education
3 Semester Hours

A look at the ethical and justice-related issues posed by the institutions of public and private education in modern democracies, with special focus on education in America.

Prerequisite: Junior standing.

PHIL 328
Media Ethics
3 Semester Hours

This course explores the moral and ethical challenges of professionals working in the media and communication industries. Satisfies Applied Ethics for Communication and Fine Arts.

Prerequisite: Junior standing.

PHIL 329
Topics in Applied Ethics
3 Semester Hours

This course considers different aspects of ethical issues as they arise from contemporary events.

May be repeated twice for degree credit when topics vary.

Prerequisite: Junior standing.

PHIL 330
Contemporary Moral Problems
3 Semester Hours

A study from the perspective of ethical theory of selected moral problems of contemporary interest and significance.

Prerequisite: Junior standing.

PHIL 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.

PHIL 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.

PHIL 333
Feminist Theory
3 Semester Hours

A survey of the political, epistemological, and metaphysical questions raised for philosophy as traditionally conceived by the claim that sex and/or gender should play a significant role in its self-understanding.

PHIL 334
Images of Women in Philosophy
3 Semester Hours

An exploration of the understanding of women and human nature in the various philosophical traditions.

II. Natural and Social Sciences

PHIL 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.

PHIL 342
Philosophy of Biology
3 Semester Hours

A critical examination of central philosophical issues and controversies in the life sciences.

PHIL 344
Philosophy and 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 and Literature

PHIL 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.

PHIL 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.

PHIL 353
Philosophy and 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 and Theology

PHIL 361
Philosophy of God
3 Semester Hours

The focus of this course is on the debate regarding concepts of God and the arguments for and against God's existence. It will examine the contributions of both classical and contemporary schools of thought to the debate.

PHIL 362
Philosophy and 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?

PHIL 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, Weil, and Bellah—may provide a context for analysis.

PHIL 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.

PHIL 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.

PHIL 366
Philosophy of Religion
3 Semester Hours

A philosophical investigation of the issues surrounding religion and religious beliefs. Possible topics will include: religious language, problem of evil, immortality, theism, and atheism.

PHIL 367
African Philosophy
3 Semester Hours

An introduction to African thought, from Bantu, Akan, and Dogon philosophies to the contemporary African debate on political philosophy, cultural identity, and theories of knowledge.

V. History of Philosophy

PHIL 381
Ancient Philosophy
3 Semester Hours

A study of pre-Socratic thought, Plato, and Aristotle. Part of the history sequence for majors.

PHIL 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.

PHIL 383
Medieval Philosophy
3 Semester Hours

A study of the major philosophical movements from Augustine to Ockham. Part of the history sequence for majors.

PHIL 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.

PHIL 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.

PHIL 398
Special Studies
1-3 Semester Hours

PHIL 399
Independent Studies
1-3 Semester Hours

VI. Contemporary Movements

PHIL 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.

PHIL 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.

PHIL 423
Phenomenology
3 Semester Hours

An introduction to phenomenological method through the close study of the works of Husserl and later phenomenologists.

PHIL 424
Existentialism
3 Semester Hours

A study of 20th-century European existential philosophy and its 19th-century forerunners.

PHIL 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.

PHIL 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

PHIL 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 and Reality

PHIL 461
Theory of Knowledge
3 Semester Hours

An introduction to the principal problems of epistemology as they appear in both classical and contemporary theories.

PHIL 462
Symbol and 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.

PHIL 463
Metaphysics
3 Semester Hours

An introduction to classical and contemporary metaphysics, the general theory of being.

PHIL 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.

PHIL 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.

PHIL 498
Special Studies
1-3 Semester Hours

PHIL 499
Independent Studies
1-3 Semester Hours

PHIL 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, Janie S. Steckenrider,
Robert J. Welch, S.J.

Assistant Professors: Jodi Susan Finkel, Evan Gerstmann,
Matt Streb

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 Senior Seminar, one of the courses at the 500 level.

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 two 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.

POLS 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 and minors only.

POLS 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 and minors only.

POLS 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 and minors only.

POLS 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.

POLS 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 and minors only.

POLS 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.

POLS 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 and minors only.

POLS 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.

POLS 298
Special Studies
1-3 Semester Hours

POLS 299
Independent Studies
1-3 Semester Hours

POLS 380
Washington Internship
1-6 Semester Hours

The academic component of a supervised internship in Washington, D.C.

Credit/No Credit grading only.

POLS 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.

POLS 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.

POLS 392
Special Studies
1-3 Semester Hours

POLS 393
Special Studies
1-3 Semester Hours

POLS 394
Special Studies
1-3 Semester Hours

POLS 395
Special Studies
1-3 Semester Hours

POLS 396
Special Studies
1-3 Semester Hours

POLS 397
Special Studies
1-3 Semester Hours

POLS 398
Special Studies
1-3 Semester Hours

POLS 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.

POLS 435
The Politics of California
1-3 Semester Hours

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

POLS 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.

POLS 491
Special Studies
1-3 Semester Hours

POLS 492
Special Studies
1-3 Semester Hours

POLS 493
Special Studies
1-3 Semester Hours

POLS 494
Special Studies
1-3 Semester Hours

POLS 495
Special Studies
1-3 Semester Hours

POLS 496
Special Studies
1-3 Semester Hours

POLS 497
Special Studies
1-3 Semester Hours

POLS 498
Special Studies
1-3 Semester Hours

POLS 499
Independent Studies
1-3 Semester Hours

POLS 581
Honors Seminar
3 Semester Hours

A particularly challenging senior seminar for students contemplating graduate work. Also provides preparation for writing a senior thesis.

Prerequisites: POLS 210, senior standing, and consent of instructor.

POLS 590
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.

Prerequisites: POLS 210, senior standing, and consent of department chairperson.

Political Thought

POLS 320 **Masters of Political Thought I**

3 Semester Hours

A study of major political thinkers from Plato to Machiavelli.

POLS 322 **Masters of Political Thought II**

3 Semester Hours

A study of major political thinkers in the modern and contemporary periods.

POLS 323 **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.

POLS 324 **Marx and Marxism**

3 Semester Hours

An examination of the Marxist contribution to socio-political thought from Marx to the current era.

POLS 520 **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.

Political Dynamics

POLS 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.

POLS 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.

POLS 333 **U.S. Congress**

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.

POLS 334 **Presidency**

3 Semester Hours

A study of the powers, process, and problems of the modern United States presidency.

POLS 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.

POLS 431 **Public Opinion and Polling**

3 Semester Hours

An examination of public opinion and political participation in terms of their development, trends, measurement, and influencing factors.

POLS 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.

POLS 437
Chicano Politics
(See CHST 337)

POLS 438
Women and Politics
3 Semester Hours

Examines the problems, issues, and adjustments faced by men and women in light of changing political roles.

POLS 439
Political Psychology
3 Semester Hours

A study of the relationship between selected psychological and social-psychological characteristics of individuals and political behavior.

POLS 530
The Law and Presidential Power
3 Semester Hours

A senior seminar examining the ways and extent to which the Constitution and statutes empower and enchain the American President.

Prerequisites: POLS 210 and senior standing.

Public Administration and Policy Analysis

POLS 340
Administration of Public Affairs
3 Semester Hours

Introduction to the problems, principles, and theory encountered in the field of public administration.

POLS 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.

POLS 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.

POLS 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.

POLS 540
Education Policy
3 Semester Hours

A senior seminar examining selected dimensions of education policy in the United States.

Prerequisites: POLS 210 and senior standing.

Comparative Politics

POLS 351
Politics of Western Europe
3 Semester Hours

An analysis of the political structures and processes of Great Britain, France, Germany, Italy, Spain, and other Western European nations.

POLS 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.

POLS 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.

POLS 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.

POLS 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.

POLS 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.

POLS 357
U.S.-British Politics
3 Semester Hours

A comparative study of political systems of the United States and Great Britain.

POLS 358
Politics of Development
3 Semester Hours

An analysis of the various theoretical approaches to understanding the political economy of developing nations and the empirical consequences of development strategies.

POLS 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.

International and World Politics

POLS 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.

POLS 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.

POLS 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.

POLS 461
United States and Latin America
3 Semester Hours

A survey of the international relations between the United States and the countries of Latin America.

POLS 465
World Political Economy
3 Semester Hours

A study of international political economy with an emphasis on North-South relations.

POLS 560
Global Agenda
3 Semester Hours

A senior seminar focusing on global political dynamics, transformations, and issues.

Prerequisites: POLS 210 and senior standing.

Public Law

POLS 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.

POLS 471
United States Constitutional Law: Case Method I
3 Semester Hours

Judicial review, federalism, separation of powers, regulation of the economy, and race discrimination.

POLS 472
United States Constitutional Law: Case Method II
3 Semester Hours

Political and civil rights, emphasizing First Amendment freedoms and criminal procedure.

POLS 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.

POLS 570
Child Advocacy Seminar
3 Semester Hours

An internship-based seminar examination of the achievements, problems, and prospects of the American system of child and family law.

Prerequisites: POLS 210, senior standing, and consent of instructor.

Psychology

Faculty:

Chairperson: Michael J. O'Sullivan

Professors: Ronald K. Barrett, Larry C. Bernard,
Kenyon S. Chan, Michael R. Foy, Richard L. Gilbert,
Cheryl N. Grills, Renée L. Harrangue,
Ricardo A. Machón, Michael J. O'Sullivan,
Leland C. Swenson, R. Patricia Walsh

Associate Professors: Jennifer S. Abe-Kim, Judith G. Foy,
Michael E. Mills

Assistant Professor: Lisa Gunderson

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:

Pre-major 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: Students must earn a grade of C (2.0) or higher in each of these courses before they can be eligible to declare or to remain a Psychology major. Students must retake pre-major requirements for which they earned a grade of C- (1.7) or lower and achieve a grade of C (2.0) or higher.

Lower Division Major Requirements:

1. Statistical Methods for Psychology (PSYC 241) and Lab (PSYC 243). Prerequisite: MATH 154 (grade of C [2.0] or higher).
2. Research Methods (PSYC 242) and Lab (PSYC 244). Prerequisite: Grade of C (2.0) or higher in each: PSYC 241, 243.
3. Brain and Behavior (PSYC 251). Prerequisite: BIOL 150 (grade of C [2.0] or higher).

Students must earn a grade of C (2.0) or higher in each of the above courses before taking any 400- or 500-level PSYC courses. Students must retake lower division major requirements for which they earned a grade of C- (1.7) or lower and achieve a grade of C (2.0) or higher.

Upper Division Major Requirements:

24 semester hours in upper division courses in psychology, with a minimum of one course from each of the following:

Area I. Learning/Cognition: PSYC 511, 512

Area II. Social/Developmental: PSYC 521, 522

Area III. Personality/Abnormal: PSYC 531, 532

Area 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) or higher 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 Chairperson. Transfer students must also abide by this requirement.

All courses fulfilling lower division pre-major and major requirements and upper division major requirements in Area I-IV must be taken at Loyola Marymount University. Transfer students are exempt from this requirement only for those courses they have completed prior to admission to Loyola Marymount University.

Students may not register for any Psychology course for a third time without the written permission of the Psychology Department Chairperson and the Dean of the Bellarmine College of Liberal Arts

Minor Requirements:

BIOL 150; MATH 154; PSYC 100 or 101, 241, 242, 243, 244, 251; and 6 semester hours of upper division courses selected in consultation with the Psychology Department Chairperson. A grade of C (2.0) or higher must be obtained in minor courses. All courses fulfilling minor requirements must be taken at Loyola Marymount University. Transfer students are exempt from this requirement only for those courses they have completed prior to admission to Loyola Marymount University.

PSYC 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.

PSYC 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.

PSYC 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.

PSYC 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.

PSYC 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.

PSYC 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.

PSYC 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.

PSYC 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.

PSYC 241
Statistical Methods for Psychology
3 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: MATH 154, PSYC 100 or 101, 243 or concurrent enrollment.

PSYC 242
Research Methods
3 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, 243, 244 or concurrent enrollment.

PSYC 243
Statistical Methods for Psychology Lab
1 Semester Hour

Companion lab course to PSYC 241. Data management and statistical analysis using SPSS.

Prerequisite: Grade of C (2.0) or higher in PSYC 241 or concurrent enrollment.

PSYC 244
Research Methods Lab
1 Semester Hour

Companion lab course to PSYC 242. Provides students with hands-on exercises applying their theoretical knowledge of research design. Students gain practical experience with literature searches, experimental and non-experimental designs, and scientific writing in APA style.

Prerequisite: Grade of C (2.0) or higher in PSYC 242 or concurrent enrollment.

PSYC 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: BIOL 150, PSYC 100 or 101, or consent of instructor.

PSYC 298
Special Studies
1-3 Semester Hours

Prerequisite: Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 299
Independent Studies
1-3 Semester Hours

Prerequisite: Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 321
Psychology of Marriage
3 Semester Hours

Exploration of theories and research on psychological processes in interpersonal attraction; intimacy, marriage, and family relationships.

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 332
Psychological Disorders*3 Semester Hours*

An introduction to the biological, psychological, and social determinants of psychopathology and maladaptive behaviors. Focus on the causes, diagnosis, and treatment of these disorders. This course is designed for students not majoring in Psychology.

Not open to majors in Psychology.

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 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.

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 352
Developmental Psychology*3 Semester Hours*

Research and theories of normal human development from conception through adult maturity, old age, and death. Focus on growth and change in biological, cognitive, and social processes in psychological development. This course is designed for students not majoring in Psychology.

Not open to majors in Psychology.

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 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.

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 398
Special Studies*1-3 Semester Hours*

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 399
Independent Studies*1-3 Semester Hours*

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

PSYC 411
Motivation and Emotion*3 Semester Hours*

Animal and human research related to needs, desires, feelings, and purposes that arouse and direct behavior.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 432
Health Psychology*3 Semester Hours*

Explores the relationship between behavioral principles/personality and physical health/illness.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 434
Psychology of Death and Dying
3 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251, 435 or concurrent enrollment.

PSYC 435
Psychology of Death and Dying Lab
1 Semester Hour

Companion lab course to PSYC 434. Observation and data collection from various institutions and community settings related to concerns of illness, health maintenance, dying, death, and funerals.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in PSYC 434 or concurrent enrollment.

PSYC 443
Advanced Statistics
3 Semester Hours

Advanced statistical methods using computer statistical packages. Topics include factor analysis, multiple regression, and multivariate analysis of variance.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 455
Neuropsychology
3 Semester Hours

Clinical neuropsychology: brain damage and organic syndromes, diagnosis, and biological therapies.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 456
Psychopharmacology
3 Semester Hours

Study of psychopharmacological prevention, diagnosis, and treatment of mental disorders; secondary focus on psychopharmacodynamics and neurochemistry of drugs which derive their primary effect by acting on the central nervous system.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 490
Teaching Internship
1-3 Semester Hours

Guided teaching of undergraduate laboratories. May be repeated for credit.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 498
Special Studies
1-3 Semester Hours

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 499
Independent Studies
1-3 Semester Hours

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 511
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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 512
Cognition
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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 531
Personality
3 Semester Hours

A survey of the major contemporary theories of personality and relevant research and applications related to each theory.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of B (3.0) or higher in each: PSYC 241, 242, 243, 244. Grade of C (2.0) or higher in each: PSYC 100 or 101, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 544
Psychobiology Research
3 Semester Hours

Students participate in on-going laboratory research on the psychobiology of learning and memory. Emphasis is on theoretical and methodological issues, research design, data collection, analysis, and interpretation.

Prerequisites: Junior standing. Psychology major or minor. Grade of B (3.0) or higher in each: PSYC 241, 242, 243, 244. Grade of C (2.0) or higher in each: PSYC 100 or 101, 251. Consent of instructor.

PSYC 547
Psycholinguistics Research
3 Semester Hours

Students participate in on-going studies in the areas of speech, language, and reading under the mentorship of the professor. Students study a current research topic in detail, formulate a research hypothesis, design an experiment, and collect and statistically analyze the data. The final product for the course is dissemination of the research report at a major conference and/or submission of the APA-style manuscript to a major journal.

Prerequisites: Junior standing. Psychology major or minor. Grade of B (3.0) or higher in each: PSYC 241, 242, 243, 244. Grade of C (2.0) or higher in each: PSYC 100 or 101, 251. Consent of instructor.

PSYC 598
Special Studies
1-3 Semester Hours

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

PSYC 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.

Prerequisites: Junior standing. Psychology major or minor. Grade of C (2.0) or higher in each: PSYC 100 or 101, 242, 244, 251.

Sociology

Faculty:

Chairperson: Loretta Morris

Professors: James Faught, James Mathieu, Loretta Morris

Associate Professors: John A. Davis, Peter Hoffman

Assistant Professors: Stacy Burns, Margaret L. Hunter,
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 Structure, Culture, and Process; V. Family and Life Cycle; and

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.

SOCL 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.

SOCL 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, and the varieties and similarities of this coping.

SOCL 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.

SOCL 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.

Recommended to be taken concurrently with SOCL 109.

SOCL 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 and 210.

SOCL 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.

SOCL 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.

SOCL 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: SOCL 211 and SOCL 301 or 401. Senior majors only.

I. Deviance and Social Control

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 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

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 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

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 349 **Research in Urban Society** *3 Semester Hours*

An examination of the methodologies and strategies employed by social scientists researching urban society. Case studies and research agencies are drawn primarily from modern and postmodern cities.

IV. Social Structure, Culture, and Process

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 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, and collective behavior.

SOCL 356 **Sociology of Law**

3 Semester Hours

A survey of the important theoretical and research traditions and recent empirical developments in sociology of law. A variety of law-related topics will be covered, including law and social structure, the economy and culture, law and inequality, law and social control, courts and alternative dispute resolution, and the legal profession.

SOCL 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.

SOCL 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.

SOCL 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

SOCL 361 **Sociology of Marriage and 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 families.

SOCL 362 **Sociology of Children**

3 Semester Hours

A sociological study of the world of children, interactional events in children's activities, and examination of the cultures of children and of adults.

SOCL 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.

SOCL 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

SOCL 370
Social Change
3 Semester Hours

An examination of the social, economic, and political sources of social change.

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 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.

VII. Special Areas

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 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.

SOCL 398
Special Studies
1-3 Semester Hours

SOCL 399
Independent Studies
1-3 Semester Hours

SOCL 489
Directed Research in Sociology
3 Semester Hours

Individual research and/or fieldwork conducted under the supervision of a faculty member.

Prerequisite: Approval of the instructor and chairperson.

Theological Studies

Faculty:

Chair: Jeffrey S. Siker

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. (Chilton Chair),
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

Assistant Professors: Anthea D. Butler,
Michelle A. Gonzalez, Jeffrey VanderWilt

Adjunct Professors: Wilkie Au, Thomas J. Powers, S.J.

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, 328, 420, 425, 427).
- c) Systematic Theology:
Two courses (330, 331, 341, 345, 346, 348, 350, 355, 356, 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 student'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. All 400-level courses have a prerequisite of one 300-level course. 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

THST 100 Introduction to the Old Testament *3 Semester Hours*

A general introduction to the literary, historical, and religious traditions of the Old Testament.

THST 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.

THST 109 Introduction to Scripture and Prayer *3 Semester Hours*

For Jesuit Novices only.

THST 110 Introduction to the New Testament *3 Semester Hours*

An introduction to the literary, historical, and theological dimensions of the New Testament.

THST 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.

THST 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.

THST 149 Introduction to Christian Spirituality *3 Semester Hours*

For Jesuit Novices only.

THST 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.

THST 160 Introduction to Christian Ethics *3 Semester Hours*

An examination of ethical issues in light of Christian scriptures, traditions, and experiences.

THST 170 Christian Faith and American Cultures *3 Semester Hours*

This course explores Christian faith in the diverse cultural context of the contemporary United States.

THST 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.

THST 180
Religions of the World
3 Semester Hours

An introduction to the history, literature, and thought patterns of the major religions of the world.

THST 198
Special Studies
1-3 Semester Hours

THST 199
Independent Studies
1-3 Semester Hours

THST 270
Gospel Choir
1 Semester Hour

Students participating in LMU Gospel Choir enroll in this course.

THST 298
Special Studies
1-3 Semester Hours

THST 299
Independent Studies
1-3 Semester Hours

Biblical Theology

THST 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.

THST 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.

THST 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.

THST 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.

THST 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.

THST 311
Pauline Epistles
3 Semester Hours

A study of the ministry and message of Paul presented in his letters, accounts in Acts, and deutero-Pauline epistles.

THST 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.

THST 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

THST 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.

THST 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.

THST 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.

THST 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.

THST 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.

THST 326 **Catholicism: The American Experience** *3 Semester Hours*

A student of the diverse experiences in U.S. Catholicism, with emphasis on the theological implications of American Catholic responses to a pluralistic society.

THST 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.

THST 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.

THST 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.

THST 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

THST 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.

THST 331
Salvation and Liberation
3 Semester Hours

An examination of the theme of liberation in Scripture, church history, and the recent theologies, as well as its impact on our own lives.

THST 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.

THST 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?

THST 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.

THST 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.

THST 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.

THST 355
After Eden
3 Semester Hours

An exploration of the human person in relation to God.

THST 359
Theology of Religious Life
3 Semester Hours

For Jesuit Novices only.

THST 430
Christology
3 Semester Hours

An investigation of the Christology of the New Testament, the early councils, and contemporary issues in Christology.

THST 431
Rahner
3 Semester Hours

A study of the life, context, and theology of Karl Rahner.

THST 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.

THST 450
Topics in Christian Spirituality
3 Semester Hours

A survey of key persons and movements in the history of Western Christian spirituality.

THST 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.

THST 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**THST 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.

THST 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.

THST 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.

THST 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.

THST 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.

THST 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.

THST 465**Moral Theology Today***3 Semester Hours*

A study of the developments and critical issues within Roman Catholic moral theology since 1940.

THST 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**THST 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.

THST 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.

THST 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.

THST 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.

THST 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.

THST 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

THST 398
Special Studies
*1-3 Semester Hours***THST 399**
Independent Studies
*1-3 Semester Hours***THST 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.

THST 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.

THST 498
Special Studies
*1-3 Semester Hours***THST 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	349	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 Research & 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.

URBN 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.

URBN 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.

URBN 198
Special Studies
1-3 Semester Hours

URBN 199
Independent Studies
1-3 Semester Hours

URBN 298
Special Studies
1-3 Semester Hours

URBN 299
Independent Studies
1-3 Semester Hours

URBN 345
Urban Planning
3 Semester Hours

An introduction to the problems, principles, and practices of modern urban planning.

URBN 349
Research in Urban Society
(See SOCL 349)

URBN 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.

URBN 398
Special Studies
1-3 Semester Hours

URBN 399
Independent Studies
1-3 Semester Hours

URBN 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.

URBN 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

Assistant Professor: Maylei Blackwell

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.

WNST 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.

WNST 198 Special Studies *1-3 Semester Hours*

WNST 199 Independent Studies *1-3 Semester Hours*

WNST 208 Social Research Methods *(See AFAM 208)*

WNST 221 Women in Science and Mathematics: Breaking the Stereotype *(See MATH 261 or NTL 265)*

A study of the lives and the scientific and mathematical work of women scientists and mathematicians.

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

WNST 222 Human Reproduction and Development *(See BIOL 271)*

WNST 247 Psychology of Gender Differences *(See PSYC 222)*

WNST 248 Psychology of Women *(see PSYC 223)*

WNST 298
Special Studies
1-3 Semester Hours

WNST 299
Independent Studies
1-3 Semester Hours

WNST 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.

WNST 311
Gender Communication
(See CMST 335)

WNST 331
The Image of Woman in Nineteenth-Century England
(See ENGL 342)

WNST 332
Twentieth-Century Women's Writing
(See ENGL 343)

WNST 333
Latina Writers
(See CHST 348)

WNST 334
Italian Women Writers
(See ITAL 380)

Survey of representative works by Italian women writers from various historical periods, with particular focus on the modern and contemporary period.

Taught in Italian.

Prerequisite: ITAL 204 or equivalent.

WNST 341
Black Family Life
(See AFAM 301)

WNST 342
Chicanas and Latinas in the U.S.
(See CHST 302)

WNST 344
Gender and Society
(See SOCL 332)

WNST 345
Sociology of Marriage and Families
(See SOCL 361)

WNST 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.

WNST 349
Gender and Ethnicity
3 Semester Hours

This course is an exploration of the ways in which gender, ethnicity, and class intersect to shape individual's 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, 105, or WNST 100.

WNST 350
Psychology of Marriage
(See PSYC 321)

Prerequisites: Junior standing. Grade of C (2.0) or higher in PSYC 100 or 101.

WNST 355
Women, Freedom, and Reform
3 Semester Hours

This course addresses the efforts of American women from diverse ethnic, religious, and class backgrounds, during the period 1840 to 1920, to redefine and expand the meanings of freedom, citizenship, and access to political power. These efforts took place in the political arena, on reservations and plantations, in unions and settlement houses, and in the home.

WNST 361
Women in Christian History
(See THST 324)

WNST 362
Women in European History
(See HIST 335)

WNST 363
American Reform Movements
(See HIST 351)

WNST 364
Women in Early American History
(See HIST 354)

WNST 365
Women in Modern American History
(See HIST 355)

WNST 366
The American Family
(See HIST 356)

WNST 370
Feminist Theory
(See PHIL 333)

A survey of the political, epistemological, and metaphysical questions raised for philosophy as traditionally conceived by the claim that sex and/or gender play a significant role in its self-understanding.

WNST 371
Images of Women in Philosophy
(See PHIL 334)

An exploration of the understanding of women and human nature in the various philosophical traditions.

WNST 398
Special Studies
1-3 Semester Hours

WNST 399
Independent Studies
1-3 Semester Hours

WNST 411
Women in Film
(See FILM 473)

WNST 430
French/Francophone Women Writers
(See FREN 432)

WNST 431
Latin American Women Writers
(See SPAN 443)

WNST 434
Women in Asian Literature
(See ASPA 489)

WNST 435
Asian Women Writers
(See ASPA 490)

WNST 440
Asian Pacific American Women's Experience
(See APAM 435)

WNST 445
Sex, Race, and Violence
(See AFAM 435)

WNST 451
Women and Politics
(See POLS 438)

WNST 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.

WNST 453
Chicana and Third World Feminisms

(See CHST 404)

WNST 461
Women in Classical Antiquity

(See CLAS 452)

WNST 462
Women, Votes, and Equal Rights

(see HIST 470)

WNST 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.

WNST 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.

WNST 498
Special Studies

1-3 Semester Hours

WNST 499
Independent Studies

1-3 Semester Hours

College of Business Administration



College of Business Administration

Administration

Dean: John T. Wholihan
 Associate Dean: George L. Hess (Undergraduate)
 Associate Dean: Rachelle Katz (Graduate)
 Directors: William Lindsey (Center for Executive Learning); John Daly, S.J. (Center for Asian Business); Thomas White (Center for Ethics and Business); Alan K. Hogenauer (Ed and Lynn Hogan Program in Travel and Tourism)

Organization

The College has four departments, four Centers, and one Program, 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), (INBA)
- 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
- Ed and Lynn Hogan Program in Travel and Tourism (TOUR)

The College offers the Master of Business Administration in different formats. The traditional MBA (MBAA) addresses the educational demands of persons who recognize the need to continue to build their careers. 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 of the College is to be recognized as the leading College of Business Administration within 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 enterprise successfully.

The primary focus is on excellence in instruction and learning.

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 an integrated 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.

University 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 (100s or 200s) listed. Third- and fourth-year students choose from any upper division course (300s or 400s) 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, 230; 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 one course from PHIL 320 through 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-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.

A minimum of 50% of the business-related coursework must be completed at LMU.

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.

Senior Exam

All senior students of the College are required to take the Senior Exam, which is offered each semester.

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.A.	B.S.A.
	S.H.	S.H.
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	—
Total	120	126

The specific courses in the two curricula are as follows:

- A. University Core Curriculum
- B. Business/Economics Core Requirements:
 - ACCT 211 Financial Accounting
 - ACCT 212 Managerial Accounting
 - 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 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 seven 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 381	Internship (1 semester hour)
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
BLAW 491	International Law Elective

Finance

FNCE 381	Internship (1 semester hour)
FNCE 425	Risk Management and Insurance
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	Data Communications and Networks
ISQM 474	Management Support Systems
ISQM 476	PC-Based Decision Support Modeling
ISQM 477	Total Quality Management
ISQM 478	Electronic Commerce

International Business

INBA 340	International Business
INBA 381	Internship (1 semester hour)

Additionally, the following International Business courses are cross-listed with their respective departments:

INBA 440	International Management (MGMT)
INBA 441	International Entrepreneurship (MGMT)
INBA 442	Multinationals and the Third World (FNCE)
INBA 443	International Investing (FNCE)

INBA	445	International Marketing (MRKT)
INBA	447	International Business Law (BLAW)
INBA	448	International Finance (FNCE)
INBA	451	Business Practices in a Global Context (MGMT and MRKT)
INBA	491	International Elective

Management/Human Resources

MGMT	101	Your Future in Business (1 semester hour)
MGMT	381	Internship (1 semester hour)
MGMT	435	Employee and Labor Relations
MGMT	436	Training and Development
MGMT	437	Professional Development Practicum
MGMT	438	Compensation Management
MGMT	440	International Management
MGMT	441	International Entrepreneurship
MGMT	449	Doing Business with East Asia
MGMT	451	Business Practices in a Global Context
MGMT	456	Behavioral Science in Management
MGMT	457	Entrepreneurship
MGMT	458	Small Business Management
MGMT	459	Leadership
MGMT	491	International Management Elective

Marketing

MRKT	381	Internship (1 semester hour)
MRKT	445	International Marketing
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 Supply Chain Management
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

Travel and Tourism

TOUR	280	Introduction to Travel and Tourism (2 semester hours)
TOUR	282	Global Tourism Destinations (2 semester hours)
TOUR	381	Internship (1 semester hour)
TOUR	382	Marketing and Selling Travel and Tourism

TOUR	383	Legal Foundations of Travel and Tourism
TOUR	384	Financial Mgmt in Travel & Tourism
TOUR	481	Strategic Management Seminar in Travel and Tourism
TOUR	482	Air Transportation in Travel and Tourism (1 semester hour)
TOUR	483	The Cruise Industry (1 semester hour)
TOUR	484	Eco-tourism (1 semester hour)
TOUR	485	Field Experience/Familiarization Trips (1 semester hour)
TOUR	486	Gaming Industry Management (1 semester hour)
TOUR	487	Hospitality Management (1 semester hour)
TOUR	488	Human Resources in Travel and Tourism (1 semester hour)
TOUR	491	International Travel and Tourism Elective
TOUR	492	Meeting and Convention Management (1 semester hour)
TOUR	493	Road and Rail Transportation in Travel and Tourism (1 semester hour)
TOUR	494	Services Enterprise Management (1 semester hour)
TOUR	495	Tourism and Travel Packaging and Management (1 semester hour)
TOUR	496	Travel and Tourism Information Technology (1 semester hour)
TOUR	498	Special Topics
TOUR	499	Independent Study

- 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 within 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, however, that they complete a minimum of 45 semester hours of upper division coursework.

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 Administration.

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 suggested sequence of courses is shown in the following curriculum sections.

Transfer Credit

Lower division courses in business and economics that may be accepted include the equivalents of the following Loyola Marymount courses:

ACCT 211	Financial Accounting
ACCT 212	Managerial Accounting
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). Further, 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	10_	Western Traditions HIST 100 or 101
MATH	111	Math Analysis for Business I
THST	1XX	Lower Division THST

Spring Term

ECON	120	Introductory Macroeconomics
ENGL	___	Literature (See Core Curriculum)
HIST	___	History 152, 162, 172, 182, or 192
MATH	112	Math Analysis for Business II
PHIL	160	Philosophy of Human Nature

Sophomore Year

Fall Term

ACCT	211	Financial Accounting
BLAW	205	Legal Environment of Business
ECON	230	Introductory Statistics
PSYC	100	General Psychology
SCTC	___	Science (See Core Curriculum)

Spring Term

ACCT	212	Managerial Accounting
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
INBA	340	Introduction to International Business
MGMT	355	Principles of Management and Organizational Behavior
MRKT	365	Principles of Marketing
THST	3XX	Upper Division Theology

Spring Term

AMCS	___	American Cultures (3 semester hours)
ISQM	370	Management Information Systems
ISQM	377	Production Operations Analysis
MGMT	335	Human Resources Management
PHIL	320-330	Ethics-related Course

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 is open to non-Business majors only. (Business Administration majors must take all courses required for the minor in order to complete the Business major.) Courses required for the Business minor include ACCT 211, ECON 110 (or 100), MRKT 365, and MGMT 355. Two additional courses must be taken at the upper division level (300s-400s). Upper division courses may only be transferred from AACSB-accredited institutions. A minimum cumulative GPA of C (2.0) must be earned in the minor area.

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.

Travel and Tourism Management Minor

Selected courses in the Ed and Lynn Hogan Program in Travel and Tourism are available as a minor for non-business students only.

The Travel and Tourism Management minor includes one of the following two courses: ECON 100 or 110; each of the following four courses described previously: TOUR 280, 282, 382, and 383; three of the fourteen elective courses listed previously; and at least 2 internships (TOUR 381).

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
ISQM	377	Production Operations Analysis
MRKT	365	Principles of Marketing
THST	3XX	Upper Division Theology

Spring Term

ACCT	312	Intermediate Accounting II
ACCT	313	Cost Accounting
AMCS	___	American Cultures (3 sem. hrs.)
MGMT	355	Principles of Management and Organizational Behavior
PHIL	320-330	Ethics-related Course

Senior Year*Fall Term*

ACCT	314	Accounting Information Systems
ACCT	411	Advanced Accounting
ACCT	416	Auditing, Assurance, and Attestation
INBA	340	Introduction to International Business
MGMT	405	Business as an Institution in Society

Spring Term

ACCT	412	Income Tax Accounting
BLAW	301	Business Law Applications and Cases
MGMT	409	Management Policy
N/B	_____	Non Business Elective (3 sem. hrs.)
N/B	_____	Non Business Elective (3 sem. hrs.)

Accounting Minor Requirements

ACCT 211, 212, and at least three of the following courses: ACCT 311, 312, 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
 Associate Professors: Sean Chen, Patricia Douglas
 Assistant Professors: 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; BLAW 205; ECON 110, 120, 230;
 ISQM 275; MATH 111, 112.

Upper Division Requirements:

ACCT 311, 312, 313, 314, 411, 412, 416; BLAW 301; FNCE 325; INBA 340; ISQM 370, 377; MGMT 355, 405, 409; MRKT 365. All upper division accounting courses must be taken in residence at LMU. A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and 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, 314, 411, 412, and 416.

ACCT 211 Financial Accounting 3 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.

ACCT 212 Managerial Accounting 3 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.

ACCT 311 Intermediate Accounting I 4 Semester Hours

This course begins 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 and ISQM 275.

ACCT 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).

ACCT 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 and ISQM 275.

ACCT 314
Accounting Information Systems*3 Semester Hours*

This course stresses the role of accountants in the analysis, design, development, implementation, maintenance, and control of information systems. The course also stresses the critical role that information systems play in the day-to-day work of accountants.

Prerequisites: ACCT 212 and ISQM 275.

Accounting majors only, except by permission of instructor.

ACCT 411
Financial Accounting*4 Semester Hours*

This course completes 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.

Prerequisites: ACCT 312, 314 (or ISQM 370).

Accounting majors only, except by permission of instructor.

ACCT 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.

ACCT 416
Auditing, Assurance, and Attestation*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, 314 (or ISQM 370); 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, Kweku Ewusi-Mensah,
 Rachelle Katz, Christopher A. Manning, Richard J. Perle,
 Zbigniew H. Przasnyski, Lawrence S. Tai
 Associate Professors: Dolphy Abraham, Allen Gray,
 Charles J. Higgins, Chun I. Lee, Linda A. Leon,
 Kala Chand Seal
 Assistant Professor: Robbie Nakatsu

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 involves the application of computers to meet the information needs of organizations. It prepares students to use modern information technology to solve business problems at the operational, technical, and strategic levels.

Finance

FNCE 325 **Financial Planning and Control** *3 Semester Hours*

Topics include structure and financial problems of business enterprises; methods and instruments available for promoting, financing, recapitalizing, and reorganizing business enterprises; and social control of security issues and exchanges. In addition, time value of money, risk and return trade-offs, security valuation, and working capital management will be studied.

Prerequisites: ACCT 212; ECON 110, 120, 230; MATH 112.

FNCE 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.

FNCE 425 **Risk Management and Insurance** *3 Semester Hours*

Analysis of insurance as a method of dealing with risk; business and personal risk management through property, casualty, life, accident and sickness, and social insurance will be studied.

FNCE 426 **Investments** *3 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 will be covered. Financial instruments examined include futures contracts, options, and convertibles.

Prerequisite: FNCE 325.

FNCE 427 **Financial Policy** *3 Semester Hours*

Use of cases to analyze 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 will be examined. Focus also includes capital structure policy, dividend policy, and working capital management.

Prerequisite: FNCE 325.

FNCE 428
Real Estate Finance and Investments
3 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.

FNCE 429
Capital Markets
3 Semester Hours

This course 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.

FNCE 442
Multinationals and the Third World
3 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.

Prerequisites: FNCE 325 and INBA 340

FNCE 443
International Investments
3 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 and institutions and instruments of international finance.

Prerequisite: FNCE 325.

FNCE 448
International Finance
3 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 and institutions and instruments of international finance.

Prerequisite: FNCE 325.

FNCE 498
Special Studies
1-3 Semester Hours

FNCE 499
Independent Studies
1-3 Semester Hours

Computer Information Systems and Operations Management

ISQM 275
Computers in Business
3 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 database applications. In addition, an introduction to the role of IS in business organizations will be discussed.

Prerequisite: MATH 101, 111, or 112 or consent of instructor.

ISQM 370
Management Information Systems
3 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.

Accounting majors should substitute ACCT 314.

Prerequisite: ISQM 275.

ISQM 377
Production Operations Analysis
3 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: ECON 110, 230; ISQM 275; MATH 112.

ISQM 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.

ISQM 471
Database Management Systems
3 Semester Hours

This course provides an introduction to the concepts of database systems. Topics to be covered include 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: ACCT 314 or ISQM 370 or consent of instructor.

ISQM 472
Management Support Systems
3 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: ACCT 314 or ISQM 370 or consent of instructor.

ISQM 473
Data Communications and Networks
3 Semester Hours

An introduction to the use of data communications and other automation systems in the business environment, including the study of local and wide area networks, voice and electronic mail, video conferencing, and other automation tools in support of management.

Prerequisite: ACCT 314 or ISQM 370 or consent of instructor.

ISQM 474
Management Support Systems
3 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: ACCT 314 or ISQM 370 or consent of instructor.

ISQM 476
PC-Based Decision Support Modeling
3 Semester Hours

Explores the potential of personal computer spreadsheet models as a medium for providing strategic information to managers. Emphasizes how database modeling, risk analysis, LP, and forecasting can be performed and integrated in the spreadsheet environment.

Prerequisite: ISQM 377 or consent of instructor.

ISQM 477
Total Quality Management
3 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.

ISQM 478
Electronic Business
3 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: ACCT 314 or ISQM 370.

ISQM 498
Special Studies
1-3 Semester Hours

ISQM 499
Independent Studies
1-3 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 planning, organizing, leading, and controlling the functions necessary to successfully run an organization. In studying management, the student will focus on the practical skills, ethical issues, and management theory necessary to succeed in our diverse global economy. The 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.

MGMT 101 Your Future in Business

1 Semester Hour

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.

MGMT 335 Human Resources Management

3 Semester Hours

Examines critical issues and concepts for managing resources in organizations, including planning, staffing, training, performance evaluation, compensation, discipline, labor relations, and employment law. Special attention is paid to career development.

MGMT 355 Principles of Management and Organizational Behavior

3 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.

MGMT 381 Internship

1 Semester Hour

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.

MGMT 405 Business as an Institution in Society

3 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.

MGMT 409 Management Policy

3 Semester Hours

An integrating course dealing with the problems of general management, using cases, simulations, 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: FNCE 325, ISQM 377, MGMT 355, MRKT 365.

MGMT 435
Employee and Labor Relations
3 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.

MGMT 436
Training and Development
3 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.

Prerequisite: MGMT 335.

MGMT 437
Professional Development Practicum
3 Semester Hours

An individual-directed course combining 100 hours of internship work with career development tests, measures, models, and exercises. Each student develops an experience-based career development plan.

MGMT 438
Compensation Management
3 Semester Hours

This course focuses on various theories, strategies, and practices of employee compensation. A central question throughout this course is what form(s) or type(s) of compensation practices or incentives motivate and stimulate employee performance and commitment in the workplace? This course will help students understand the complexities of compensation practices as a future HR professional, manager, or employee.

Prerequisite: MGMT 335.

MGMT 440
International Management
3 Semester Hours

This course examines management of the cultural, financial, and political differences of multinational organizations.

Prerequisite: MGMT 355.

MGMT 411
International Entrepreneurship
3 Semester Hours

Focuses on developing knowledge and skills in three key components of international entrepreneurship: initiating entrepreneurial ventures, managing international business transactions, and dealing with multicultural business environments. Includes a feasibility study of an international small business venture start up, case study, and experiential learning.

Prerequisites: INBA 340 and MGMT 355.

MGMT 449
Doing Business with East Asia
3 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.

MGMT 451
Business Practices in a Global Context
3 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.

MGMT 456
Behavioral Science in Management
3 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.

MGMT 457
Entrepreneurship
3 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 and MRKT 365.

MGMT 458
Small Business Management
3 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 and MRKT 365.

MGMT 459
Leadership
3 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.

Prerequisite: MGMT 355.

MGMT 498
Special Studies
1-3 Semester Hours

MGMT 499
Independent Studies
1-3 Semester Hours

International Business Studies

INBA 340
Introduction to International Business
3 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.

INBA 381
Internship
1 Semester Hour

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.

INBA 440
International Management
3 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.

Prerequisites: INBA 340 and MGMT 355.

INBA 441
International Entrepreneurship
(See MGMT 441)

INBA 442
Multinationals and the Third World
(See FNCE 442)

INBA 443
International Investments
(See FNCE 443)

INBA 445
International Marketing
(See MRKT 445)

INBA 447
International Business Law
(See BLAW 447)

INBA 448
International Finance
(See FNCE 448)

INBA 451
Business Practices in a Global Context
(See MGMT 451 and MRKT 451)

INBA 491
International Elective
3 Semester Hours

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. Quiñones, Robert D. Winsor
 Assistant Professors: Mark Leach, Annie Liu,
 Idil Yaveroglu

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

BLAW 205 **Legal Environment of Business** *3 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.

BLAW 301 **Business Law Applications and Cases** *3 Semester Hours*

The course offers a detailed study of the nature of contracts and their applications in business organizations, personal property, real property, and commercial transactions. A focus will be placed on interpreting the law through existing case studies.

Prerequisite: BLAW 205.

BLAW 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.

BLAW 404 **Employment Law** *3 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.

BLAW 408 **Real Estate Law** *3 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. This course provides an excellent legal foundation for students with an interest in future property ownership.

Prerequisite: BLAW 205.

BLAW 412
Tax Law and Planning
3 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.

BLAW 447
International Business Law
3 Semester Hours

This course provides an excellent legal foundation for the international operation of businesses. Students will address balancing the legal interests of domestic and international parties and will explore the applicable legal guidelines and case history.

Prerequisite: BLAW 205.

BLAW 462
Entertainment Law
3 Semester Hours

Law as it applies to the entertainment (motion picture, sound, television) industry, with particular focus on contracts and agency.

Prerequisite: BLAW 205.

BLAW 473
Marketing Law
3 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.

Prerequisites: BLAW 205 and MRKT 365.

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

Marketing

MRKT 365
Principles of Marketing
3 Semester Hours

This course will introduce the role of marketing management in a market economy, as well as in the modern organization. Students will be exposed to consumer-oriented managerial decisions regarding product planning, pricing structures, distribution channels, and promotional methods for a variety of products and services and in a range of organizational settings.

Prerequisite: ECON 100 or 110.

MRKT 381
Internship
1 Semester Hour

The objective of this one-semester-hour course is to help the student achieve a worthwhile employment experience as part of an overall program of study in Marketing. The internship, conducted with an off-campus organization and coordinated by a department faculty member, will develop marketing skills, will assist the student in tying coursework to the workplace experience, and will allow the student to realize and understand better what it is that (s)he is looking for in a career.

MRKT 445
International Marketing
3 Semester Hours

This course will examine marketing principles and planning factors and techniques applied in a global environment. Students will develop an appreciation for the external forces which shape the international marketer's decisions and will learn about strategies used by international firms as they successfully enter and adapt to new cultures and nations.

Prerequisite: MRKT 365.

MRKT 451
Business Practices in a Global Context
3 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 Program.

MRKT 461
E-Commerce Marketing
3 Semester Hours

This course introduces the student to e-Marketing, which refers to the use of the Internet and related technologies to adapt traditional marketing activities to suit the creation, offer, and exchange of products and services online. The focus will be on the use of emerging technologies and related ideas to enhance marketing outcomes.

Prerequisite: MRKT 365.

MRKT 462
Perspectives on Consumption
3 Semester Hours

This course examines the roles individuals play in society and the economy through the acts of shopping, consuming, discussing, displaying, and disposing of goods and services. In addition, the processes by which organizations conceptualize, reinforce, and exploit these roles in the marketing of goods and services will be examined.

Prerequisite: MRKT 365.

MRKT 463
Entertainment Marketing
3 Semester Hours

Marketing is an essential element in the commercial success of entertainment products in the world today. Los Angeles is the center of the world's entertainment industry. This course looks at product development, market research, distribution, and promotional methods used in the marketing of films, music, television, and new media products.

Prerequisite: MRKT 365.

MRKT 464
International Supply Chain Management
3 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. Note that this is the same course previously named "International Logistics."

Prerequisite: MRKT 365.

MRKT 465
Marketing Promotional Strategy
3 Semester Hours

The new term, Integrated Marketing Communications (IMC), is a recognition of the need for firms to coordinate their various promotional activities and expenditures. This course will cover advertising, public relations, sales promotions, and direct marketing techniques, and will allow students to develop overall promotional programs using elements of each of these vehicles as appropriate.

Prerequisite: MRKT 365.

MRKT 466
Sports Marketing
3 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.

MRKT 467
Marketing Research
3 Semester Hours

The application of both qualitative and quantitative research methodology to the solution of marketing questions. Students will study the role of marketing research and will be involved in the design, execution, analysis, and implementation of a complete research project.

Prerequisite: MRKT 365.

MRKT 469
Consumer Behavior
3 Semester Hours

This course is designed to refocus the student on the consumer as the object of marketing programs. Social science concepts (from psychology, sociology, anthropology, and economics) are used to examine influences on consumer behavior, as well as to study the consumer decision process itself. Emphasis will be put on how marketers use this knowledge to develop their overall strategies.

Prerequisite: MRKT 365.

MRKT 471
Retail Management
3 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.

MRKT 472
Sales Management
3 Semester Hours

An examination of the sales function, encompassing both personal selling and sales management principles. This course emphasizes development of professional sales techniques as well as creation of sales objectives and strategies, selection, training, compensation and motivation of the sales force, and the use of technology in the contemporary sales function.

Prerequisite: MRKT 365.

MRKT 473
Marketing Law
3 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.

Prerequisites: BLAW 205 and MRKT 365.

MRKT 474
Competitive Strategy
3 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.

Prerequisite: MRKT 365.

MRKT 475
Marketing Planning
3 Semester Hours

Even the most experienced marketer would run into difficulties without a plan. A comprehensive marketing plan is essential for obtaining funding of an enterprise, as well as for coordinating marketing efforts for that organization. This course encompasses a study of all of the elements of a successful marketing plan and entails the development of a finished plan by the students.

Prerequisite: MRKT 365.

MRKT 476
Entrepreneurial and Small Business Marketing
3 Semester Hours

Whereas traditional marketing courses often assume that marketers are operating in a predictable environment with generous budgets, this course examines shoestring methods to be used under conditions of considerable uncertainty.

Prerequisite: MRKT 365.

MRKT 477
Brand Management
3 Semester Hours

The objective of this course is to learn the decision-making processes used by product or brand managers with primary responsibility for the market success of the company's products and services, including environmental scanning and coordination of marketing activities for the firm's offerings.

Prerequisite: MRKT 365.

MRKT 498
Special Studies
1-3 Semester Hours

MRKT 499
Independent Studies
1-3 Semester Hours

Travel and Tourism

Faculty:

Director: Alan K. Hogenauer

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 eighteen million people.

The mission of the Travel and 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. **The Travel and Tourism Management concentration comprises 18 semester hours, including two approved internships.**

TOUR 280 Introduction to Travel and Tourism

2 Semester Hours

Provides a comprehensive overview of the global travel and tourism industry. Examines transportation (air, rail, cruise, and road), accommodations, attractions, and intermediaries (tour packagers, travel agencies, visitor bureaus, government tourist offices, travel literature and media) and their interaction. Briefly discusses destinations in the context of the above.

TOUR 282 Global Tourism Destinations

2 Semester Hours

Provides a comprehensive overview of world tourism destinations, focusing on their respective attractions, target markets, marketing techniques, and prospects. Course covers all seven continents.

TOUR 381 Travel and Tourism Internship

1 Semester Hour (at least 2 internships required)

Provides a valuable learning experience relevant to the student's desired emphasis within the industry. Offered as a tri-partite arrangement that involves the student, a faculty mentor, and the course instructor, the internship provides unique, real-world work experience and networking opportunities. Based extensively on the assistance of the Board of Advisors of the Hogan Travel Program.

TOUR 382 Marketing and Selling Travel and Tourism

3 Semester Hours

Provides an in-depth examination of travel and tourism marketing from both the supplier and destination perspectives. Case studies are extensively utilized to discuss product development, pricing management, sales strategies, service practices, promotion methods, and distribution channels, both personal and electronic.

Prerequisite: MRKT 365.

TOUR 383 Legal Foundations of Travel and Tourism

3 Semester Hours

Encompasses a comprehensive review of legal and regulatory issues in travel and tourism, including government regulation, the deregulation trend, unilateral/bilateral/multilateral agreements, and the legal liability of suppliers and intermediaries.

Prerequisite: BLAW 205.

TOUR 384
Financial Management in Travel and Tourism
3 Semester Hours

Examines in detail financial planning for selected segments of the industry. Covers both capital and operating aspects, including pricing, yield management, bidding, rebates, service fees, commissions, public and private capital programs, and short- and long-term investment strategies.

Prerequisite: FNCE 325.

TOUR 481
Strategic Management Seminar in Travel and Tourism
3 Semester Hours

This capstone course integrates all previous course work through the development of a comprehensive travel and tourism marketing or business plan on a topic of the student's choice, subject to instructor approval.

As an optional focus for the Strategic Management Seminar, students may substitute three of the following fourteen elective courses (TOUR 482-499, 1 semester hour each) offered in sequences of three four-week modules per semester, depending on enrollment.

TOUR 482
Air Transportation in Travel and Tourism
1 Semester Hour

Examines domestic and international air passenger transportation in greater detail, using case studies from all six populated continents.

TOUR 483
The Cruise Industry
1 Semester Hour

Examines the cruise industry in greater detail, using case studies in the Caribbean, Mediterranean, Alaska, Panama Canal, and elsewhere.

TOUR 484
Eco-Tourism
1 Semester Hour

Examines the concept of eco-tourism, its historic foundations, and its present implementation in both developed and developing tourist economies, using case studies in the U.S., Costa Rica, Europe, Africa, Australia, Antarctica, and elsewhere.

TOUR 485
Field Experience/Familiarization Trips
1 Semester Hour

Guided local and regional field trips to tourist attractions in both the U.S. and Mexico will serve as the basis for further understanding of the tourism industry.

TOUR 486
Gaming Industry Management
1 Semester Hour

Examines the gaming industry worldwide, with focus on both established (Las Vegas, Monte Carlo, etc.) and emerging (Native American reservations, riverboats, etc.) destinations.

TOUR 487
Hospitality Management
1 Semester Hour

Examines the nature of the hospitality industry in greater detail, focusing on both accommodations and food services.

TOUR 488
Human Resources in Travel and Tourism
1 Semester Hour

Explores the role of human resources in the travel and tourism industry, including transnational employment, labor relations, and case studies of both successful and unsuccessful employment practices.

TOUR 492
Meeting and Convention Management
1 Semester Hour

Examines in greater detail the nature of the meeting and convention components of the travel and tourism industry, focusing on the development of convention centers, the role of the meeting planner, and the role of convention and visitor bureaus.

TOUR 493
Road and Rail Transportation in Travel and Tourism
1 Semester Hour

Examines in greater detail the role of surface transportation in travel and tourism, including highway networks, bus and rental car transportation, and both scheduled and seasonal tourist rail transportation.

TOUR 494
Services Enterprise Management
1 Semester Hour

Explores in greater detail the management of the services enterprise, focusing on product planning, product implementation, financial analysis, and customer satisfaction measurement.

TOUR 495
Tourism and Travel Packaging and Management
1 Semester Hour

Examines in greater detail the operation of the packager intermediary in travel and tourism, focusing on product design, competition, and sales strategies.

TOUR 496
Travel and Tourism Information
1 Semester Hour

Examines in greater detail the role of technology in travel and tourism information, including CRS systems, the Internet, wireless innovations, and traditional personal contact in connection with technology.

TOUR 498
Special Studies
1-3 Semester Hours

Requires approval of the director.

TOUR 499
Independent Studies
1-3 Semester Hours

Requires approval of the director.

College of Communication and Fine Arts



College of Communication and Fine Arts

Administration

Acting Dean: Barbara Busse
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, 230; 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

All students take MATH 102, 103, and one other course in Science and Engineering. The MATH 102 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.

Prerequisite: Demonstration of proficiency in mathematics by success in MATH 102 or a grade of C or better in MATH 111, 112, 120, 122, 131, or 306. The Mathematics Placement Examination is required before taking any of these courses.

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 one PHIL course from 320 through 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.
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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, and 4 above.

Students registering for an Individualized Study Program are advised that their diploma and transcript will read "Individualized Study" and not the specific major they elect within that program.

Art and Art History

Faculty:

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, Eduardo Navas,
 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 the total of 21 hours in the minor.

Freshman Year

<i>Fall Semester</i>			S.H.
ENGL	110	College Writing I	3
—	—	Core	3
—	—	Core	3
—	—	Core	3
ARHS	200	Art of the Western World I	3
			15

<i>Spring Semester</i>			S.H.
MATH	102	Quantitative Skills	3
MATH	103	Quantitative Skills Lab	0
—	—	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	Modernism 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

ARHS 200 **Art of the Western World I** *3 Semester Hours*

An introductory survey of the visual arts from the prehistoric through the early medieval periods.

ARHS 201 **Art of the Western World II** *3 Semester Hours*

An introduction to painting and sculpture from the Renaissance to the late 19th century.

ARHS 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.

ARHS 298 **Special Studies** *1-3 Semester Hours*

ARHS 303 **Arts of Ancient Greece** *3 Semester Hours*

A survey of Greek art from the Neolithic age through the Hellenistic period.

ARHS 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.

ARHS 306
Medieval Art
3 Semester Hours

A survey of the visual arts of the medieval period in Europe.

ARHS 314
American Art
3 Semester Hours

Art in the United States from the colonial period to 1900.

ARHS 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.

ARHS 320
The Arts of Islam
3 Semester Hours

Islamic arts of the Middle East and Persia from the 8th through the 19th centuries.

ARHS 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).

ARHS 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.

Recommended: ARHS 202.

ARHS 343
History of Modern Architecture
3 Semester Hours

A survey of the history of architecture with emphasis on contemporary Los Angeles.

ARHS 345
Contemporary Art Criticism
3 Semester Hours

An examination of current theory and practice.

Recommended: ARHS 202.

ARHS 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.

ARHS 410
Renaissance Arts: Italian and Northern
3 Semester Hours

Selected topics in Renaissance art.

ARHS 413
Baroque and Rococo Art
3 Semester Hours

Selected topics in European art of the 17th century.

ARHS 415
Impressionism and Post-Impressionism
3 Semester Hours

Study of major artists and critics with special attention to the social and cultural construction of modernism and modernity.

ARHS 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, Marsa, and Hopper.

ARHS 419
Contemporary Art
3 Semester Hours

An exploration of new directions in American and European Art since 1960, including current art in Los Angeles.

ARHS 420
The Arts of Early India
3 Semester Hours

Painting, sculpture, and architecture of India: Buddhist, Hindu, and Jain arts through the medieval period.

ARHS 421
The Arts of Later India
3 Semester Hours

Painting and architecture of the Moguls, Rajput kingdoms, the British Raj, and contemporary India: 16th through 20th centuries.

ARHS 425
The Arts of China
3 Semester Hours

The painting and sculpture of China from the neolithic period through the Ch'ing Dynasty.

ARHS 428
The Arts of Japan
3 Semester Hours

The painting, sculpture, and architecture of Japan from prehistoric times through the 19th century.

ARHS 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.

ARHS 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.

ARHS 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.

ARHS 494
Gallery Practicum
3 Semester Hours

Study of the professional aspects of museum and gallery work including exhibition preparation, design, and the curatorial process.

ARHS 498
Special Studies
1-3 Semester Hours

ARHS 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, 496, 497, and an Upper Division non-Western Art History Elective (ARHS 320, 321, 420, 425, 428), or any non-Western ARHS 398 course.

Freshman Year

<i>Fall Semester</i>			S.H.
ENGL	110	College Writing I	3
—	—	Core	3
—	—	Core	3
ART	153	Drawing I	3
ART	160	Design I	3
			15

<i>Spring Semester</i>			S.H.
MATH	102	Quantitative Skills	3
MATH	103	Quantitative Skills Lab	0
—	—	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	496	Senior Thesis	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:

27 semester hours of upper division courses: ART
360, 368, 369, 497, and an upper division non-
Western Art History elective (ARHS 320, 321, 420,
425, 428), or any non-Western ARHS 398 course.

Freshman Year

<i>Fall Semester</i>			S.H.
ENGL	110	College Writing I	3
___	___	Core	3
___	___	Core	3
ART	153	Drawing I	3
ART	160	Design I	3
			15

<i>Spring Semester</i>			S.H.
MATH	102	Quantitative Skills	3
MATH	103	Quantitative Skills Lab	0
___	___	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 260, CMSI 182 and 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; 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, 494; 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, 368; CMST 301, 310; ENGL 311, 312; SCWR 320; THEA 400.

Image: ART 353, 356, 360, 362, 365, 368, 380, 382, 481; FILM 366; TVPD 345, 346.

Sound: MUSC 303, 304, 316, 317, 318; RECA 367; THEA 312, 314.

Motion: ANIM 320, 330; DANC 381, 397; FILM 366; TVPD 345, 346.

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.
ENGL	110	College Writing I 3
—	—	Elective 3
—	—	Elective 3
ENGL	110	College Writing I 3
ART	160	2D Design 3
		—
		15

<i>Spring Semester</i>		S.H.
MATH	102	Quantitative Skills 3
MATH	103	Quantitative Skills Lab 0
—	—	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 (LD)	3
ART	260	Computer Graphics I	3
			—
			15

<i>Spring Semester</i>			S.H.
___	___	Core	3
___	___	Core	3
___	___	Elective	3
___	___	Concentration (LD)	3
CMSI	252	Multimda Author. Lang.	3
			—
			15

Junior Year

<i>Fall Semester</i>			S.H.
___	___	Core	3
___	___	Core	3
___	___	Concentration (UD)	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
ART	494	Multimedia Internship	3
CMSI	462	Multimedia Production	3
			—
			15

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 160 and 15 semester hours of Studio Arts electives with at least 6 semester hours in upper division courses.

Studio Arts Courses

ART 150 **Introduction to Studio Arts** *3 Semester Hours*

Open to non-Studio Arts majors only.

Exploration of the materials, techniques, and inspiration of the artist in the media of drawing, painting, printmaking, sculpture, and two- and three-dimensional design.

ART 151 **Introduction to Drawing and Printmaking** *3 Semester Hours*

Open to non-Studio Arts majors only.

Development of basic drawing skills in various media and the exploration of printmaking techniques.

ART 153 **Drawing I** *3 Semester Hours*

An introduction to drawing and the development of visual awareness. Experimentation and exploration of technique developed through a variety of subject matter. Varied media, including pencil, charcoal, ink, and conte.

ART 154 **Drawing II** *3 Semester Hours*

Development of technique and principles used in Drawing I, ART 153, with emphasis placed on working from the figure and anatomy.

Prerequisite: ART 153.

ART 160 **Two-Dimensional Design** *3 Semester Hours*

Examination of the basic elements of two-dimensional design emphasizing the conceptual process and utilizing various media and techniques.

ART 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.

May be repeated once for degree credit.

Prerequisites: ART 153 and 154, or consent of instructor.

ART 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.

May be repeated once for degree credit.

Prerequisites: ART 153 and 154, or consent of instructor.

ART 257 **Painting I** *3 Semester Hours*

Study of basic theoretical methods and techniques as applied to both representation and abstraction. Acrylic paints will be utilized.

Prerequisite: ART 153, 160, or consent of instructor.

ART 260 **Computer Graphics I** *3 Semester Hours*

Introduction to principles and practices of electronic imaging as they apply to graphics, art, and design.

Recommended: ART 160.

ART 275 **Three-Dimensional Design** *3 Semester Hours*

Examination of the basic elements of three-dimensional design emphasizing the conceptual process and utilizing various media.

Prerequisite: ART 160 or consent of instructor.

ART 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.

ART 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.

ART 298
Special Studies
1-3 Semester Hours

ART 299
Independent Studies
1-3 Semester Hours

ART 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.

May be repeated once for degree credit.

Prerequisites: ART 153 and 154, or consent of instructor.

ART 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.

May be repeated once for degree credit.

Prerequisites: ART 153 and 154, or consent of instructor.

ART 350
Visual Thinking
3 Semester Hours

This course promotes concept development and creative thinking. Visual problem solving and projects will be based on a concern for how each person examines and explores, ultimately interprets and recreates the world around them.

ART 353
Advanced Figure Composition
3 Semester Hours

This course promotes concept development and psychological possibilities inherent in the human form. Using a variety of media, it explores anatomical structure, imaginative composition, and perspective.

May be repeated for degree credit.

Prerequisites: ART 153 and 154, or consent of instructor.

ART 356
Painting II
3 Semester Hours

A continuation of theoretical methods and techniques used in Painting I, ART 257. Emphasis is on color, materials, and individual concept development. A variety of media will be utilized.

Prerequisites: ART 153, 160, and 257, or consent of instructor.

ART 358
Painting III
3 Semester Hours

A continuation of Painting II, ART 356. Emphasis is on color, materials, and individual concept development.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 356 or consent of instructor.

ART 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.

May be repeated for degree credit.

Prerequisites: ART 160, 260, and 368; recommended: ART 369.

ART 361
Product and Packaging Design
3 Semester Hours

The application of design principles and marketing concepts in the development of products and packaging.

Prerequisites: ART 160, 260, 360, and 368.

ART 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 for degree credit.

Prerequisites: ART 160, 260, and 368.

ART 363
3D Digital Toolbox
3 Semester Hours

Survey of concepts and processes utilized in the production of artworks with 3D digital tools. Study of computer techniques integrating digital processing into the creative process.

Prerequisites: ART 160 and 260.

ART 364
Digital 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. Illustrations are computer assisted or computer generated in black and white and in color.

May be repeated for degree credit.

Prerequisites: ART 153, 160, and 260.

ART 365
Illustration
3 Semester Hours

The integration of illustration practices, design principles, and conceptual problem solving procedures in the creation of illustrations for editorial designs, book jackets, and advertising art. Illustrations can be conceived of by drawing and painting or by use of the computer.

May be repeated for degree credit.

Prerequisites: ART 153, 160, and 260.

ART 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.

ART 367
Online Computer Arts
3 Semester Hours

An emphasis on a working expertise in graphics, art, design, and aesthetics as they apply to interactive web authoring. This course will also utilize interactive linkages to a larger virtual arts community.

Prerequisite: ART 260.

ART 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.

Prerequisites: ART 160 and 260; recommended: ART 369.

ART 369
Design and Pre-press
3 Semester Hours

The integration of design, pre-press planning, and problem solving practices.

Prerequisites: ART 160 and 260.

ART 372
Jewelry I
3 Semester Hours

A basic jewelry course with an emphasis on creative design and various techniques including fabrication, soldering, forging, wax working, and casting. Also includes bezel stone setting.

ART 373
Jewelry II
3 Semester Hours

Advanced jewelry making with an emphasis on creative design and exploration of various techniques such as fabrication, casting, rolling mill texturing, hydraulic press forming, enameling processes, and the setting of faceted stones. Also an introduction to larger scale, sculptural design.

Prerequisite: ART 372.

ART 374
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 and 260.

ART 375
Figure Sculpture
3 Semester Hours

Modeling of the human figure with an emphasis on anatomy, leading to the extension of the figure as image.

May be repeated for degree credit with consent of instructor.

ART 376
Sculpture Workshop
3 Semester Hours

Advanced exploration of sculptural problems, techniques, and concepts using a variety of materials.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 275 or consent of instructor.

ART 378
Drawing and Clay
3 Semester Hours

Emphasis on the surface treatment of ceramic work incorporating drawing, painting, and printmaking techniques.

May be repeated for degree credit with consent of instructor.

ART 380
Photography II
3 Semester Hours

Exploration of advanced concepts of photography as applied to the development of personal expression. Topics of study change each semester.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 280.

ART 382
Digital Photography
3 Semester Hours

An emphasis on a working expertise in digital imaging, technologies utilizing Adobe Photoshop for image creation, manipulation, with input and output to various media.

Prerequisite: ART 260; recommended: ART 280.

ART 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.

ART 386
Etching Printmaking
3 Semester Hours

Process using etching, aquatint, and other incising techniques on metal plates. Emphasis on black and white images with an introduction to multicolor printing.

May be repeated for degree credit.

Recommended: ART 153.

ART 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 and 260.

ART 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.

May be repeated once for degree credit.

Prerequisites: ART 153 and 154, or consent of instructor.

ART 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.

May be repeated once for degree credit.

Prerequisites: ART 153 and 154, or consent of instructor.

ART 445
Multimedia Forum
3 Semester Hours

Contemporary issues in the theory, practice, and dissemination of multimedia.

Prerequisites: ART 160 and 260.

ART 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.

ART 478
Ceramics Workshop
3 Semester Hours

Design problems with ceramic materials incorporating wheel-thrown and hand building techniques. Development of a personal style in addition to advanced firing techniques.

May be repeated for degree credit with consent of instructor.

Prerequisite: ART 278 or consent of instructor.

ART 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.

ART 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.

ART 494
Multimedia Internship
3 Semester Hours

Professional experience in multimedia.

Prerequisite: Senior standing, Art major, or consent of instructor.

ART 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 and department chairperson.

ART 496
Senior Thesis
1-3 Semester Hours

This course continues for Fine Arts emphasis students the professional development experience of ART 497, Senior Seminar. The curriculum includes all aspects of exhibition design, promotion, and artwork presentation.

Prerequisite: Fine Arts emphasis Art majors, or consent of instructor.

ART 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.

ART 498
Special Studies
1-3 Semester Hours

ART 499
Independent Studies
1-3 Semester Hours

Prerequisite: Senior standing.

Communication Studies

Faculty:

Chairperson: TBA
 Associate Professors: Barbara Busse, Jay Busse,
 Steven Combs, Patricia Oliver, Dean Scheibel
 Assistant Professors: Annika Hylmö, Kyra Pearson

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, and 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, 401, 490/491.

Freshman Year

<i>Fall Semester</i>			S.H.
CMST	110	Interpersonal Comm	3
CMST	100	Public Speaking	3
ENGL	110	College Writing I	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
MATH	102	Quantitative Skills	3
MATH	103	Quantitative Skills Lab	0
—	—	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	Rhetorical Theory	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
			—
			15

<i>Spring Semester</i>		S.H.	_____	_____	University Core (UD)	3
CMST	202	Organizational Comm.	3	_____	Elective	3
_____	_____	University Core (LD)	3	_____		
_____	_____	University Core (LD)	3	_____		
_____	_____	University Core (LD)	3	_____		
_____	_____	University Core (LD)	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
or	CMST	336	Intercultural Comm
or	CMST	375	Org Comm Adv Top Sem
or	CMST	376	Comm & Consulting
or	CMST	385	Political Comm
or	CMST	386	Rhet of Social Movements
or	CMST	387	Comm & Legal Practice
or	CMST	393	Topical Seminars
or	CMST	490	Comm Practicum I
or	CMST	491	Comm Practicum II
_____	_____	University Core (UD)	3
_____	_____	Elective	3
_____	_____	Elective	3

			15

<i>Spring Semester</i>		S.H.	
CMST	303	Research in Comm St	3
CMST	401	Rhetorical Criticism	3
CMST	330	Advanced Forensics	3
or	CMST	335	Gender Comm
or	CMST	336	Intercultural Comm
or	CMST	375	Org Comm Adv Top Sem
or	CMST	376	Comm & Consulting
or	CMST	385	Political Comm
or	CMST	386	Rhet of Social Movements
or	CMST	387	Comm & Legal Practice
or	CMST	393	Topical Seminars
or	CMST	490	Comm Practicum I
or	CMST	491	Comm Practicum II

Senior Year

<i>Fall Semester</i>		S.H.	
CMST	330	Advanced Forensics	3
or	CMST	335	Gender Comm
or	CMST	336	Intercultural Comm
or	CMST	375	Org Comm Adv Top Sem
or	CMST	376	Comm & Consulting
or	CMST	385	Political Comm
or	CMST	386	Rhet of Social Movements
or	CMST	387	Comm & Legal Practice
or	CMST	393	Topical Seminars
or	CMST	490	Comm Practicum I
or	CMST	491	Comm Practicum II
_____	_____	Elective (UD)	3
_____	_____	Elective (UD)	3
_____	_____	Elective	3
_____	_____	Elective	3

			15

<i>Spring Semester</i>		S.H.	
CMST	330	Advanced Forensics	3
or	CMST	335	Gender Comm
or	CMST	336	Intercultural Comm
or	CMST	375	Org Comm Adv Top Sem
or	CMST	376	Comm & Consulting
or	CMST	385	Political Comm
or	CMST	386	Rhet of Social Movements
or	CMST	387	Comm & Legal Practice
or	CMST	393	Topical Seminars
or	CMST	490	Comm Practicum I
or	CMST	491	Comm Practicum II
CMST	495	Senior Thesis Project	3
_____	_____	Elective (UD)	3
_____	_____	Elective (UD)	3
_____	_____	Elective (UD)	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 [2.0] or better), CMST 201 or 202, 301; and 9 semester hours of upper division courses selected from CMST 335, 336, 375, 376, 385, 386, 401, 490/491.

CMST 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.

CMST 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.

CMST 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.

CMST 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.

CMST 131 Argumentation Practicum *3 Semester Hours*

Forensics competition in various debate formats requiring intramural and intercollegiate debate competition.

Prerequisite: CMST 130 and consent of instructor.

CMST 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.

CMST 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.

CMST 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.

CMST 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.

CMST 206
Critical Thinking and Communication
3 Semester Hours

A study of the techniques of critical thinking as applied to communication and rhetoric.

CMST 298
Special Studies
1-3 Semester Hours

CMST 299
Independent Studies
1-3 Semester Hours

CMST 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.

CMST 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.

CMST 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.

CMST 331
Argumentation Practicum
3 Semester Hours

Forensics competition in various debate formats requiring intramural and intercollegiate debate competition.

Prerequisite: CMST 130 and consent of instructor.

CMST 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.

CMST 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.

CMST 375
Organizational Communication Advanced Topical Seminar
3 Semester Hours

Advanced topical studies in organizational communication.

May be repeated for degree credit.

Prerequisite: CMST 202.

CMST 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.

CMST 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.

CMST 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.

CMST 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.

CMST 393
Topical Seminars in Communication Studies
3 Semester Hours

Further studies in communication.
 May be repeated for degree credit.

CMST 398
Special Studies
1-3 Semester Hours

CMST 399
Independent Studies
1-3 Semester Hours

CMST 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.

CMST 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.

CMST 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.

CMST 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.

CMST 498
Special Studies
1-3 Semester Hours

CMST 499
Independent Studies
1-3 Semester Hours

Dance - Department of Theatre Arts and Dance

Faculty:

Co-chairperson: Judith Scalin
Professor: Judith Scalin
Associate Professor: Scott Heinzerling
Assistant Professor: Patrick Damon Ragó

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 Arts 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 hour, 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), performance in at least three dance concerts, (3 semester hours), and 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
ENGL	110	College Writing I 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.
MATH	102	Quantitative Skills 3
MATH	103	Quantitative Skills Lab 0
—	—	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	262	Dance Styles and Form 3
DANC	281	History of Dance Theatre 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	470	Modern 1
DANC	481	Kinesiology II 3
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	Senior 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.

DANC 100 **Orientation to Dance I** *1-3 Semester Hours*

An introduction to the discipline of Dance for Dance major students. This course addresses: careers, health, wellness, performance, community service, and community resources. Introduction to yoga and other movement fundamentals.

Majors only.

DANC 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.

DANC 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.

DANC 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.

DANC 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.

DANC 152
Aerobics I*2 Semester Hours*

Theory and practice of aerobic endurance training. Study of current physiological research on training.

DANC 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.

DANC 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.

DANC 163
Introduction to Choreography*3 Semester Hours*

An introduction to dance composition for the non-major. Exploration of space, time, and energy through movement, sound, and text.

DANC 198
Special Studies*1-3 Semester Hours***DANC 199**
Independent Studies*1-3 Semester Hours***DANC 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.

DANC 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.

DANC 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.

DANC 260
Laban Movement Analysis
3 Semester Hours

Study of Rudolf Laban's method of systematic description of qualitative change in movement. Application in choreography, in teaching and in learning movement. Must be taken concurrently with one technique class.

Prerequisite: Dance major or Dance minor.

DANC 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.

DANC 279
Rehearsal and 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.

DANC 281
History of Dance Theatre
3 Semester Hours

A study of dance development as an art form from earliest origins, through medieval religious pageantry, Renaissance court dances, 18th century stage dance, and culminating with dance in the 19th and 20th centuries. Evolution of ballet and modern dance forms in Europe and America (Fall, alternate years).

DANC 299
Independent Studies
1-3 Semester Hours

DANC 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.

DANC 302
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.

DANC 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.

DANC 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.

DANC 344
Tap Dance III*0-2 Semester Hours*

A continuation of DANC 144. 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.

DANC 352
Aerobics II*2 Semester Hours*

Study of theory of aerobics, as well as advanced endurance training. Study of current physiological research on training.

DANC 353
Dance Conditioning*0-2 Semester Hours*

Laboratory course using specialized training modalities selected from Pilates, Feldendrais, and other physical systems.

May be repeated for degree credit up to 6 times.

DANC 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.

DANC 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.

DANC 372
Martial Arts in China*2 Semester Hours*

The study of martial arts on location in China. Enrollment through Study Abroad.

DANC 374
Yoga I*0-2 Semester Hours*

Theory and practice of yoga through exercise, meditation, and selected readings.

DANC 375
Yoga II*0-2 Semester Hours*

Continuation of yoga practice begun in Yoga I.

Prerequisite: DANC 374.

DANC 376
Yoga for Dancers*0-2 Semester Hours*

Yoga practice particularly designed for those pursuing in-depth dance technique training.

Prerequisite: Majors only.

DANC 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.

DANC 380
Music for Dance*3 Semester Hours*

Study of the elements of music theory and history which are common to dance and music.

DANC 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.

DANC 382
Drumming for Dance
2 Semester Hours

African drumming techniques used in Dance for dancers and musicians.

DANC 384
Creative Dance for Children
3 Semester Hours

Creative dance experience designed to prepare the elementary school teacher to offer dance instruction. Meets Multiple Subject Waiver Credential requirements.

DANC 385
Movement Arts for Children
3 Semester Hours

Movement arts experience ("new games," dance, sport) and study of the child's physical and motor development. Designed as pre-service Elementary School teacher training. Meets Multiple Subject Waiver Credential requirements.

DANC 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.

DANC 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.

DANC 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.

DANC 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.

DANC 398
Special Studies
1-3 Semester Hours

DANC 399
Independent Studies
1-3 Semester Hours

DANC 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.

DANC 403
Friday Dance Workshop
0-1 Semester Hours

In-depth exploration of dance technique and partnering.

Audition: first class meeting.

May be repeated for degree credit up to 8 times.

DANC 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.

DANC 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.

DANC 422
Partnering*0-1 Semester Hours*

Exploration of partnering techniques as used in classical ballet, modern and post-modern dance.

DANC 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.

DANC 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.

DANC 443
Advanced Commerical 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.

DANC 444
Tap Dance IV*0-2 Semester Hours*

A continuation of DANC 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.

DANC 460
Dance Theory and Criticism*3 Semester Hours*

Formal seminar in philosophy of art and aesthetic criticism.

Prerequisite: Senior standing, majors only.

DANC 461
Senior Thesis: Project*3 Semester Hours*

Preparation and presentation of performance or research thesis.

Prerequisite: Senior standing, majors only.

DANC 479
Rehearsal and Performance II*0-3 Semester Hours*

Continuation of DANC 279.

May be repeated for degree credit up to 4 times.

DANC 480
Kinesiology for Dancers I

3 Semester Hours

Understanding of the human body as it experiences movement. Analysis of the physics, anatomy, physiology, and psychology of movement behavior.

Offered in the Fall semester only.

DANC 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.

DANC 484
Principles of Teaching Dance

3 Semester Hours

Theory and practice of effective dance instruction, including methods, lesson plans, and practice teaching of high school students and adults (Fall, alternate years).

DANC 485
Internships

1-3 Semester Hours

Work experience in teaching, health care, or business.

DANC 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.

DANC 498
Special Studies

1-3 Semester Hours

DANC 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.

INDA 100 **Civilization and the Arts**

3 Semester Hours

The study of art, literature, philosophy, and religion as it manifests itself in various world civilizations from the Ancients to the Middle Ages and the Renaissance through the Age of Reason and the Industrial Revolution to the present.

INDA 101 **Introduction to Media Production**

3 Semester Hours

INDA 201 **Intermediate Media Production**

3 Semester Hours

INDA 301 **Advanced Media Production**

3 Semester Hours

INDA 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.

INDA 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.

INDA 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.

INDA 360 **Workshop in Media Production**

3 Semester Hours

INDA 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.

INDA 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.

INDA 401
Seminar in Media Projects
3 Semester Hours

INDA 498
Special Studies
1-3 Semester Hours

INDA 499
Independent Studies
1-3 Semester Hours

Music

Faculty:

Chairperson: Mary Breden
 Professors: Mary Breden, Virginia Saya
 Associate Professor: Mark Saya
 Assistant Professors: Paul W. Humphreys,
 Michael Miranda

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 also sustains and enriches the educational and cultural vitality of the University as well as its surrounding community.

The Department of Music offers the Bachelor of Arts in Music degree, the requirements of which can serve as an excellent foundation for students undertaking advanced studies in preparation for such careers as musicology, composition, ethnomusicology, music librarianship, and pedagogy-oriented teaching. In addition to meeting all general University admissions requirements, students who wish either to major or minor in Music must meet specific Department of Music entrance requirements.

Loyola Marymount University and the Department of Music are accredited by the National Association of Schools of Music.

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)

A grade of B (3.0) or better is required in:

MUSC 181, 280, 281 (Applied Lessons)

Foreign Language Requirement:

Two semesters of foreign language(s) through selection of one of the following options:

ITAL 101, 102 or
 GRMN 101, 102 or
 FREN 101, 102 or
 ITAL 101, GRMN 101 or
 ITAL 101, FREN 101 or
 GRMN 101, FREN 101

The language options selected may be taken credit/no credit but require the approval of the Chair and the applied emphasis instructor.

Music Major Curriculum

48 Semester Hours (plus Foreign Language Requirement)

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 Hist.: Antiquity to 1600 ... 3
MUSC 317	Music History: 1600 to 1820 3
MUSC 318	Music Hist.: 1820 to Present 3
MUSC 332	Choral Conducting (Vocalists)
OR MUSC 333	Instrumental Conducting (Instrumentalists) 2
MUSC 180	Applied Emphasis Individual Instruction * 1
MUSC 181	Applied Emphasis Individual Instruction ** 1
MUSC 280	Applied Emphasis Individual Instruction 1
MUSC 281	Applied Emphasis Individual Instruction 1
	Applied Emphasis Ensemble(s) */** 4
MUSC 454	World Music: Small Ensemble (1.0)
OR MUSC 455	World Music: Large Ensemble (1.0)
OR MUSC 490	Chamber Orchestra (1.0)
OR MUSC 491	Consort Singers (1.0)
OR MUSC 492	Chamber Music Ensembles (1.0)
OR MUSC 495	Concert Choir (1.0)

* must be taken concurrently

** must be taken concurrently

Concentration Requirements

10 Semester Hours/Upper Division

Theory/Composition

MUSC 319	Analytic Techniques	
OR MUSC 322	Modal Counterpoint	
OR MUSC 323	Tonal Counterpoint	3
MUSC 496	Theory Placement Practicum	1
Electives		6

Music History/Literature

MUSC 412	Pre-Renaissance & Renaissance Music	
OR MUSC 413	Music of the Baroque	
OR MUSC 414	Music of the Classical Era	
OR MUSC 415	Music of the Romantic Era	
OR MUSC 416	Music of the Twentieth Century	3
MUSC 497	Musicology Placement Practicum	1
Electives		6

World Music/Ethnomusicology

MUSC 304	World Music Cultures II	3
MUSC 407	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	Adv. 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 (plus Foreign Language Requirement)

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 Hist.: Antiquity to 1600	3
MUSC 317	Music History: 1600 to 1820	3
MUSC 318	Music Hist.: 1820 to Present	3
	Applied Emphasis Ensemble(s): */**	2
MUSC 454	World Music: Small Ensemble (1.0)	
OR MUSC 455	World Music: Small Ensemble (1.0)	
OR MUSC 490	Chamber Orchestra (1.0)	
OR MUSC 491	Consort Singers (1.0)	
OR MUSC 492	Chamber Music Ensembles (1.0)	
OR MUSC 495	Concert Choir (1.0)	

* 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:

- One 50-minute private lesson weekly (total 14)
- Minimum of one (1) studio class performance per semester and
- Attendance at all studio classes
- One semester-end Jury Performance Examination

Only students who have been officially accepted through audition and declared music majors or minors by the Department of Music may enroll in private applied lessons (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.

MUSC 494 Men's Chorus 1

MUSC 495 Concert Choir 1

* Includes guitar, string, and piano ensembles

These classes are repeatable for credit.

Freshman Year

<i>Fall Semester</i>		S.H.
MUSC	121 Music Theory/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

<i>Spring Semester</i>		S.H.
MUSC	122 Music Theory/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)
MATH	102 Quantitative Skills	3
MATH	103 Quantitative Skills Lab	0
___	___ Core	3
		15

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

Sophomore Year

<i>Fall Semester</i>		S.H.
MUSC	221 Music Theory/Form III	3
MUSC	280 Applied Music	1
MUSC	___ Ensemble	1
MUSC	235 Instrumentation	2
___	___ Core	3
___	___ Core	3
___	___ Core	3
		16

<i>Spring Semester</i>		S.H.
MUSC	222	Music Theory/Form IV 3
MUSC	281	Applied Music 1
MUSC	___	Ensemble 1
MUSC	316	Music Hist: Antiquity-1600 3
___	___	Core 3
___	___	Core 3
___	___	Core 3

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The above schedule should be considered as guidelines and confirmed with a Music Advisor.

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

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<i>Spring Semester</i>		S.H.
MUSC	318	Music History: 1820-Present 3
MUSC	___	UD Concentration 2
___	___	UD Elective 3
___	___	Core 3
___	___	Core 3

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The above schedule should be considered as guidelines and confirmed with a Music Advisor.

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

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The above schedule should be considered as guidelines and confirmed with a Music Advisor.

MUSC 101 Studio Class

0 Semester Hours

Recital class for music majors and minors enrolled in applied lessons.

May be repeated for degree credit.

MUSC 102 Enjoyment of Music

3 Semester Hours

An overview of the evolution of Western Art music from the era of Gregorian Chant to modern times. Focus is on style periods and the contributions of the great composers. Concert attendance required.

Non-majors and non-minors only.

MUSC 104 Fundamentals of Music

3 Semester Hours

Practical study of the rudiments of music—notation, rhythm, keys, scales, and terminology, with the object of attaining and applying a basic musical literacy. Concert attendance required.

Non-majors and non-minors only.

MUSC 105 The Vocal Experience

3 Semester Hours

Exploration of the basic techniques of singing with emphasis on the expressive elements inherent in simple vocal literature; study of fundamental musical elements—rhythm, melody, key structures, notation—leading to successful sight singing.

MUSC 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.

MUSC 121
Music Theory and 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.

MUSC 122
Music Theory and 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.

MUSC 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.

MUSC 132
Sight Singing II*1 Semester Hour*

Continuation of MUSC 131.

Prerequisite: MUSC 131.

MUSC 133
Aural Skills I*1 Semester Hour*

Developing of the aural skills of sight singing, audiation, and pitch discrimination leading to the ability to take musical dictation from simple to intermediate levels involving melody, rhythm and meter, chords in root position, and cadential harmony. Includes Computer Assisted Instruction (CAI).

Corequisite: MUSC 121.

MUSC 134
Aural Skills II*1 Semester Hour*

Continuation of MUSC 133, further developing the ability to take musical dictation from intermediate to advanced levels involving tonal, modal, and atonal melody, rhythm and meter, all chord types including inversions and functional harmonic progression. Continuation of CAI.

Prerequisite: MUSC 133.

Corequisite: MUSC 122.

MUSC 135
Functional Piano I*1 Semester Hour*

Development of pragmatic keyboard reading skills.

Music majors/minors only.

MUSC 136
Functional Piano II*1 Semester Hour*

Continuation of MUSC 135.

Prerequisite: MUSC 135 or consent of instructor.

MUSC 175
Beginning Piano Class*1 Semester Hour*

Development of pragmatic keyboard reading skills.

MUSC 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.

MUSC 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.

MUSC 178
Beginning Voice Class

1 Semester Hour

Group instruction in singing. The basics of breathing, tone production, diction and articulation, song preparation, and performance.

MUSC 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.

MUSC 180
Guitar, Percussion, Piano, Strings, Voice

1 Semester Hour

First semester of private applied lessons in the major/minor.

Corequisite: MUSC 101.

MUSC 181
Guitar, Percussion, Piano, Strings, Voice

1 Semester Hour

Second semester of private applied lessons in the major/minor.

Prerequisite: MUSC 180.

Corequisite: MUSC 101.

MUSC 182
Guitar, Percussion, Piano, Strings, Voice

1 Semester Hour

First year of private applied lessons for non-majors, non-minors (repeatable credit).

Permission of instructor required.

MUSC 221
Music Theory and 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.

MUSC 222
Music Theory and 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.

MUSC 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.

MUSC 280
Guitar, Percussion, Piano, Strings, Voice
1 Semester Hour

Third semester of private applied lessons in the major.

Prerequisite: MUSC 181.

Corequisite: MUSC 101.

MUSC 281
Guitar, Percussion, Piano, Strings, Voice
1 Semester Hour

Fourth semester of private applied lessons in the major.

Prerequisite: MUSC 280.

Corequisite: MUSC 101.

MUSC 282
Guitar, Percussion, Piano, Strings, Voice
1 Semester Hour

Second year of private applied lessons for non-majors (repeatable credit).

Permission of instructor required.

MUSC 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.

MUSC 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.

MUSC 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.

MUSC 310
Instrumental Pedagogy
3 Semester Hours

Research, concepts, and methodology common to the teaching of instruments.

Prerequisite: MUSC 222.

MUSC 316
Music History: Antiquity to 1600
3 Semester Hours

A historical survey of Western music traditions from antiquity and early chants through the Renaissance (1600). Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisite: MUSC 122.

MUSC 317
Music History: 1600-1820
3 Semester Hours

A continuation of the historical survey of Western music traditions from the Baroque Era (1600) through the Classic Era (1820). Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisite: MUSC 316.

MUSC 318
Music History: 1820 to Present
3 Semester Hours

A continuation of the historical survey of Western music traditions from the beginnings of Romanticism through the milieu of twentieth-century music, concluding with current practices and trends. Includes methodology and procedures which are fundamental to scholarly research and inquiry in musicology.

Prerequisite: MUSC 317.

MUSC 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.

MUSC 320
Notation and 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.

MUSC 322
Modal Counterpoint
3 Semester Hours

Introduction to the style of sixteenth-century counterpoint, as exemplified by the vocal works of Palestrina. Topics covered include species counterpoint, the setting of Latin texts, and techniques of mass composition.

Prerequisite: MUSC 221.

MUSC 323
Tonal Counterpoint
3 Semester Hours

Introduction to the style of eighteenth-century counterpoint, as exemplified by the instrumental works of J.S. Bach. Techniques and procedures covered include species counterpoint, canon, invention, and fugue.

Prerequisite: MUSC 221.

MUSC 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.

MUSC 328
Choral Methods I
2 Semester Hours

Practical aspects of choral techniques ranging from the audition through the working rehearsal with emphasis on development of choral tone, phrasing, articulation, dynamics, blend, and balance, as well as selection of repertoire.

Prerequisites: MUSC 281 (voice), 332 and 491 or 495.

MUSC 330
Score Reading I
2 Semester Hours

Score reading preparation of concert and transposed musical scores involving two through six parts including the use of multiple clefs.

Prerequisite: MUSC 333.

MUSC 331
Score Reading II
2 Semester Hours

Score reading preparation of concert and transposed scores involving seven or more diverse instrumentations including the use of multiple clefs.

Prerequisite: MUSC 330.

MUSC 332
Choral Conducting
2 Semester Hours

Basic conducting skills, technical and expressive uses of the conducting gesture, and methods of verbal and non-verbal communication appropriate to a choral ensemble.

MUSC 333
Instrumental Conducting

2 Semester Hours

Basic conducting skills, technical and expressive uses of the conducting gesture, and methods of communication appropriate to an instrumental ensemble.

Prerequisite: MUSC 235.

MUSC 335
Accompanying I

1 Semester Hour

The literature and performance practices applicable for solo and small genre accompaniment.

Prerequisite: Consent of instructor.

MUSC 336
Accompanying II

1 Semester Hour

Continuation of 335.

Prerequisite: MUSC 335 or consent of instructor.

MUSC 340
Diction for Singers I

1 Semester Hour

Development and refinement of enunciation and performing skills in English, Italian, and Latin. An extensive working knowledge of the International Phonetic Alphabet will be acquired.

Prerequisite: Major or minor.

MUSC 341
Vocal Pedagogy

3 Semester Hours

Study of the physiology and acoustics of the voice and its application to singing and to the teaching of singing.

Prerequisite: Major or minor.

MUSC 342
Diction for Singers II

1 Semester Hour

Continuation of MUSC 340; emphasis on German and French.

Prerequisite: MUSC 340.

MUSC 343
Opera Scenes/Workshop

1-2 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.

May be repeated for degree credit.

MUSC 361
Music of Africa

3 Semester Hours

An in-depth investigation of differences found in Sub-Saharan and North African genres.

MUSC 365
History of Jazz

3 Semester Hours

Evolution of jazz from its African origins to the present.

MUSC 366
History of Rock

3 Semester Hours

Evolution of rock and roll from its African-American origins to the present.

MUSC 380
Guitar, Percussion, Piano, Strings, Voice

1 Semester Hour

Fifth semester of private applied lessons in the major.

Prerequisite: MUSC 281.

Corequisite: MUSC 101.

MUSC 381
Guitar, Percussion, Piano, Strings, Voice

1 Semester Hour

Sixth semester of private applied lessons in the major.

Prerequisite: MUSC 380.

Corequisite: MUSC 101.

MUSC 382
Guitar, Percussion, Piano, Strings, Voice
1 Semester Hour

Third year of private applied lessons for non-majors (repeatable credit).

Permission of instructor required.

MUSC 387
Music Composition I
1 Semester Hour

The composition of original instrumental and vocal works for solo performers and small ensembles employing structures such as binary, ternary, and song forms.

Prerequisite: MUSC 222.

MUSC 388
Music Composition II
1 Semester Hour

Continuation of 387.

Prerequisite: MUSC 387.

MUSC 401
Music in Native North America
3 Semester Hours

A survey of traditional and contemporary music/dance within primary culture areas.

MUSC 402
Music of East, Central and Southeast Asia
3 Semester Hours

A historically-oriented survey of traditional, art, and popular genres within each region.

MUSC 403
Music of Indonesia
3 Semester Hours

An exploration of performing arts in Java, Bali, and outer islands of the archipelago.

MUSC 404
Music of India
3 Semester Hours

An exploration of performing arts in North and South India.

MUSC 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.

MUSC 407
Research and Methods in Ethnomusicology
1 Semester Hour

A survey of the essential literature of ethnomusicology; introduction to field methods, transcription, and analysis.

Prerequisite: MUSC 303 or consent of instructor.

MUSC 412
Pre-Renaissance and Renaissance Music
3 Semester Hours

The study of the major musical figures and their representative works from the chants of the early Christian church to the Baroque Era.

Prerequisites: MUSC 316, 317, and 318.

MUSC 413
Music of the Baroque
3 Semester Hours

Composers, music, and practices from 1600 to 1750 with emphasis on historical development culminating in the works of G.F. Handel and J.S. Bach.

Prerequisites: MUSC 316, 317, and 318.

MUSC 414
Music of the Classical Era.
3 Semester Hours

Composers, music, and practices from 1750 to 1827 with emphasis on historical developments of musical trends through the works of Gluck, Haydn, Mozart, Beethoven, and Schubert.

Prerequisites: MUSC 316, 317, and 318.

MUSC 415
Music of the Romantic Age*3 Semester Hours*

Composers, music, and musical developments from the death of Beethoven through the end of the nineteenth century.

Prerequisites: MUSC 316, 317, and 318.

MUSC 416
Music of the Twentieth-Century Era*3 Semester Hours*

Composers, music, trends, and musical arts-related developments from the close of the nineteenth century through contemporary practices.

Prerequisites: MUSC 316, 317, and 318.

MUSC 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.

MUSC 426
Arranging and 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.

MUSC 428
Choral Methods II*1 Semester Hour*

Continuation of MUSC 328.

Prerequisite: MUSC 328.

MUSC 432
Advanced Choral Conducting*2 Semester Hours*

Application of concepts and fundamentals experienced in MUSC 332, development and application of interpretive conducting skills through study of choral works representing the major style periods.

Prerequisite: MUSC 332.

MUSC 433
Advanced Instrumental Conducting*2 Semester Hours*

Application of concepts and fundamentals experienced in MUSC 333, development and application of interpretive conducting skills through major orchestral works.

Prerequisite: MUSC 333.

MUSC 435
Instrumental Conducting Practicum*2 Semester Hours*

Preparation and application of conducting skills with a departmental instrumental ensemble resulting in a recital performance appearance as a student conductor.

Prerequisite: MUSC 433.

MUSC 445
Choral Practicum*1 Semester Hour*

In-depth study of choral rehearsal practices resulting in a senior project or conducting recital.

Prerequisite: MUSC 432.

MUSC 450
Senior Project/Recital*1 Semester Hour*

Preparation and presentation of a solo performance in a student recital format.

Permission of Applied instructor, advisor, and chairperson required.

MUSC 454
World Music: 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.

May be repeated for degree credit.

MUSC 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.

May be repeated for degree credit.

MUSC 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.

MUSC 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.

MUSC 480
Guitar, Percussion, Piano, Strings, Voice
1 Semester Hour

Seventh semester of private applied lessons in the major.

Prerequisite: MUSC 381.

Corequisite: MUSC 101.

MUSC 481
Guitar, Percussion, Piano, Strings, Voice
1 Semester Hour

Eighth semester of private applied lessons in the major.

Prerequisite: MUSC 480.

Corequisite: MUSC 101.

MUSC 482
Guitar, Percussion, Piano, Strings, Voice
1 Semester Hour

Fourth year of private applied lessons for non-majors (repeatable credit).

Permission of instructor required.

MUSC 487
Music Composition III
1 Semester Hour

The composition of original instrumental and vocal works for large ensembles employing extended structures such as sonata, rondo, variation, and concerto forms.

Prerequisite: MUSC 388.

MUSC 488
Music Composition IV
1 Semester Hour

Continuation of 487.

Prerequisite: MUSC 487.

MUSC 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.

May be repeated for degree credit.

MUSC 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.

May be repeated for degree credit.

MUSC 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, string, and piano ensembles).

Prerequisite: Audition after enrollment.

May be repeated for degree credit.

MUSC 493
Women's Chorus*1 Semester Hour*

The ensemble explores and performs choral literature for treble voices.

Prerequisite: Audition after enrollment.

May be repeated for degree credit.

MUSC 494
Men's Chorus*1 Semester Hour*

The ensemble explores and performs choral literature for male voices.

Prerequisite: Audition after enrollment.

May be repeated for degree credit.

MUSC 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.

May be repeated for degree credit.

MUSC 496
Theory Placement Practicum*0-1 Semester Hours*

Techniques of preparation for theory/form/dictation placement examinations required of music graduate school programs.

MUSC 497
Musicology Placement Practicum*0-1 Semester Hours*

Techniques of preparation for musicology placement examinations required for entrance into music graduate school programs.

MUSC 498
Special Studies **1-3 Semester Hours***MUSC 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 - Department of Theatre Arts and Dance

Faculty:

Co-chairperson: Katharine B. Free
Professors: Bob G. Ackley, Katharine B. Free,
Judith Royer, C.S.J.
Associate Professor: Ron Marasco
Assistant Professors: Diane Benedict, Patrick Damon Rago

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, 240, 245, 250 (2 semesters) and 7 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 330s, 340s, 430s; 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	College Writing I	3
—	—	Core	3
—	—	Core	3
THEA	111	Intro to Theatre Performance ...	3
THEA	120	Basic Stagecraft	3
			—
			15

<i>Spring Semester</i>			S.H.
MATH	102	Quantitative Skills	3
MATH	103	Quantitative Skills Lab	0
—	—	Core	3
THEA	—	Elective	3
—	—	Elective	3
THEA	220	Intro to Design	3
THEA	250	Practicum	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	1
THEA	—	Elective	3
THEA	—	Elective	1
			—
			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	3
		16

<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	1
		14

<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.

THEA 110 Beginning Acting

3 Semester Hours

An introduction to the interpretation of drama through the art of the actor. Designed for the non-major.

THEA 111 Introduction to Theatre Performance

3 Semester Hours

A study of acting, directing, and writing techniques that create the theatre event. Acting lab included (Fall).

Prerequisite: Theatre Arts majors/minors only.

THEA 112 Voice and Movement for Stage

3 Semester Hours

A practicum designed to develop and practice movement skills to free the natural voice for the actor.

Prerequisite: THEA 111 or equivalent experience, Theatre Arts majors/minors only.

THEA 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.

THEA 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.

THEA 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, Theatre Arts majors/minors only.

THEA 212
Genre Performance Workshop
3 Semester Hours

An intensive study of the vocal, physical, and textual elements of selected styles and genres: Chekhov, Brecht, Shakespeare, or musical theatre (Spring).

Prerequisite: THEA 210 or consent of instructor, Theatre Arts majors/minors only.

THEA 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.

THEA 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.

THEA 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.

THEA 225
Basic Stage Make-Up
2 Semester Hours

The art and application of stage make-up. Recommended for acting students and cast members.

THEA 240
Western Theatre History and Literature 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).

THEA 245
Western Theatre History and Literature II
3 Semester Hours

A study of the theatre (literature, playhouse, performance conventions) from the 17th century to the 20th century (Spring).

THEA 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 only.

THEA 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.

THEA 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 only, consent of instructor.

THEA 298
Special Studies
1-3 Semester Hours

THEA 299
Independent Studies
1-3 Semester Hours

THEA 300
Theatre in Los Angeles
3 Semester Hours

Theatre-going and appreciation designed for the potential audience member through first-hand meetings with theatre artists and attendance at Los Angeles productions. Lab fee.

THEA 312
Voice Development
3 Semester Hours

The development of the full range of expressiveness in the speaking voice.

THEA 314
Intermediate Acting for Non-Majors
3 Semester Hours

A continuation of THEA 110.

Prerequisite: THEA 110 or consent of instructor.

THEA 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.

THEA 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.

THEA 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.

THEA 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.

THEA 331
Classical Spirit in Drama
3 Semester Hours

An exploration of the classical drama throughout major periods.

THEA 336
Romantic Spirit in Drama
3 Semester Hours

An exploration of the romantic drama throughout major periods.

THEA 341
Realistic Spirit in Drama
3 Semester Hours

An exploration of the realistic drama throughout major periods.

THEA 346
Avant-Garde Spirit in Drama
3 Semester Hours

An exploration of the avant-garde drama throughout major periods.

THEA 347
African Spirit in Drama
3 Semester Hours

An exploration of African theatre and theatre of the African diaspora in the United States, the Caribbean, and elsewhere.

THEA 348
Asian Spirit in Drama
3 Semester Hours

An exploration of the Asian drama throughout major periods.

THEA 349
Hispanic Spirit in Drama
3 Semester Hours

An exploration of theatre of the Spanish language in the Western Hemisphere and in Europe, as well as theatre of the Latin traditions in the United States.

THEA 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 only, consent of instructor.

THEA 364
Performance Training II
3 Semester Hours

See 362 (Spring).

Prerequisite: Theatre Arts majors/minors only, consent of instructor.

THEA 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 only, consent of chair and instructor.

THEA 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 only, consent of chair and instructor.

THEA 398
Special Studies
1-3 Semester Hours

THEA 399
Independent Studies
1-3 Semester Hours

THEA 400
Playwriting
3 Semester Hours

An introduction to the techniques of writing one-act plays for the theatre.

Prerequisites: Theatre Arts majors/minors only, consent of instructor.

THEA 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.

THEA 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.

THEA 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 and 321.

THEA 430
Special Author/Genre Seminar
3 Semester Hours

Study of Shakespeare or other topics in selected authors and/or dramatic genres. May be repeated only when a different genre and/or author is studied.

THEA 435
Special Period Seminar
3 Semester Hours

Study of 20th Century American Drama, American Drama through the 19th Century, Modern British Playwrights, 17th and 18th Century Comedy, or other topics in theatre history. May be repeated only when a different topic and/or period is studied.

THEA 450
Theatre Practicum: Crew
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 only.

THEA 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.

THEA 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 only, consent of instructor.

THEA 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 only, consent of instructor.

THEA 464
Performance Training IV
3 Semester Hours

See 462 (Spring).

Prerequisites: Theatre Arts majors/minors only, consent of instructor.

THEA 490
Senior Thesis: Project
3 Semester Hours

Preparation and presentation of performance or research thesis.

Prerequisite: Theatre Arts majors only, consent of instructor.

THEA 498
Special Studies
1-3 Semester Hours

THEA 499
Independent Studies
1-3 Semester Hours

School of Film and Television



School of Film and Television

Administration

Acting Dean: Howard Lavick

Faculty:

Professors: Art Nomura, John Stewart, Donald J. Zirpola

Associate Professors: Marilyn Beker,
Susan Torrey Barber, Patrick Connolly, S.J.,
Glenn Gebhard, Richard Hadley, Howard Lavick,
Mladen Milicevic

Assistant Professors: Robert P. Burchfield, Jeffrey Davis,
Steve Duncan, Rodger Pardee, Luís Proença, S.J.,
Susan Scheibler, Mark Evan Schwartz, Slobodan Sijan,
Carlos Spivey, Kennedy Wheatley

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, 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 12-18 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

Major Requirements:

Lower Division Requirements:

26 semester hours of lower division courses distributed as follows:

ANIM 100, 120 (completed with a grade of B [3.0] or better), 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 and 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

Fall Semester

			S.H.
ANIM	100	History of Animation	3
ANIM	120	Beg. Animation Workshop I	3
ANIM	210	Writing for Animation	3
ART	153	Drawing I	3
ENGL	110	College Writing I	3

15

Spring Semester

			S.H.
ANIM	220	Beginning Anim. 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)
MATH	102	Quantitative Skills	3
MATH	103	Quantitative Skills Lab	0

15

Sophomore Year

Fall Semester

			S.H.
ANIM	320	Adv. 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

Spring Semester

			S.H.
ANIM	420	Advanced Animation Workshop II	3
ANIM	430	Computer Animation II	3
or ANIM	431	Adv 2D Computer Animation ...	(3)
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 Workshop IV	1
—	—	University Core (UD)	3
—	—	University Core (LD)	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 Workshop V	1
—	—	University Core (UD)	3
—	—	University Core (LD)	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 Workshop VI	1
—	—	Elective	3
—	—	Elective	3
—	—	Elective	1
			14

The proper sequence of these courses should be discussed with the student's advisor.

ANIM 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.

ANIM 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.

ANIM 198 **Special Studies** *1-3 Semester Hours*

ANIM 199 **Independent Studies** *1-3 Semester Hours*

ANIM 210 **Writing for Animation** *3 Semester Hours*

Introduction to research and practice in creative writing and planning for animated film and video.

ANIM 220 **Beginning Animation Workshop II** *3 Semester Hours*

Intermediate workshop in the art of animated film production.
Prerequisite: ANIM 120.

ANIM 298 **Special Studies** *1-3 Semester Hours*

ANIM 299 **Independent Studies** *1-3 Semester Hours*

ANIM 310
Advanced Writing for Animation
 3 Semester Hours

Research and practice in writing for animated film and video.

Prerequisite: ANIM 210.

ANIM 320
Advanced Animation Workshop I
 3 Semester Hours

Workshop in the art of animated film production.

Prerequisite: ANIM 220.

ANIM 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.

ANIM 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.

ANIM 340
Interactive Animation
 3 Semester Hours

Introduction to creative and technical aspects of interactive animation technology.

Prerequisites: ANIM 420 and 430.

ANIM 398
Special Studies
 1-3 Semester Hours

ANIM 399
Independent Studies
 1-3 Semester Hours

ANIM 420
Advanced Animation Workshop II
 3 Semester Hours

Workshop in the art of animated film production. Further development of student projects from ANIM 320.

Prerequisite: ANIM 320.

ANIM 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.

ANIM 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.

ANIM 440
Interactive Animation II
 3 Semester Hours

Production and design using interactive animation technology.

Prerequisite: ANIM 340.

ANIM 490
Animation Practicum
 3 Semester Hours

Professional experience in animation. Animation internship.

Prerequisite: Senior standing.

ANIM 495
Senior Project in Animation I
3 Semester Hours

Practical experience in animation production.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisite: ANIM 440.

ANIM 496
Senior Project in Animation II
3 Semester Hours

Continuation of practical experience in animation production.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisite: ANIM 495.

ANIM 498
Special Studies
1-3 Semester Hours

ANIM 499
Independent Studies
1-3 Semester Hours

Film Production

Lower Division Requirements:

18 semester hours of lower division courses distributed as follows: FILM 180, 210, 260 (completed with a grade of B [3.0] or better), SCWR 220, TVPD 200, and either RECA 250 or TVPD 241 (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 I
			3
			University Core (LD)
			3
			University Core (LD)
			3
			University Core (LD)
			3
			15

<i>Spring Semester</i>			S.H.
FILM	180	Art Direction and Sound Stage Production	3
	FILM	210	Art of the Cinema
			3
or	TVPD	200	Survey of Mass Comm.
			3
	MATH	102	Quantitative Skills
			3
	MATH	103	Quantitative Skills Lab
			0
			University Core (LD)
			3
			University Core (LD)
			3
			15

Sophomore Year

<i>Fall Semester</i>			S.H.
TVPD	241	TV Production Techniques	3
or	RECA	250	Sound Design
			(3)
	FILM	260	Intro. 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	Beg. Film and 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
FILM	365	Cinematography	3
FILM	366	Editing	3
RECA	367	Production Sound **	3
			University Core (LD)
			3
			15

<i>Spring Semester</i>			S.H.
FILM	360	Intermediate Film Production	3
FILM	379	Fundamentals of Directing	3
			University Core (UD)
			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 (UD)	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.

FILM 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.

FILM 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.

FILM 211
Art of the Cinema Lab
0 Semester Hours

Weekly film discussion sections.

FILM 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:

Prerequisites: ANIM 100, 120, 210.

Lab Fee.

FILM 261
Introduction to Film Production Lab
0 Semester Hours

Training in the technical aspects of beginning film production: camera, sound, and lighting.

FILM 313
History of American Film
3 Semester Hours

A critical and historical survey of American film. Screenings, lectures, discussions.

Lab Fee.

FILM 314
History of European Film
3 Semester Hours

A critical survey of European film. Screenings, lectures, discussions.

Lab Fee.

FILM 315
History of the Documentary
3 Semester Hours

A critical and historical survey of the documentary film. Screenings, lectures, discussions.

Lab Fee.

FILM 329
Directing and Scene Analysis*3 Semester Hours*

An in-depth workshop/lecture demonstration on production and post-production processes and aesthetics of film/video.

May require a lab fee.

Prerequisites: FILM 260 and SCWR 220.

SCWR majors only.

FILM 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. Non-sync project, maximum length 10 minutes.

Prerequisites: FILM 365, 366, FILM 260 with a grade of B (3.0) or better.

Majors only.

FILM 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 (3.0) or better.

Majors only.

FILM 366
Film Editing*3 Semester Hours*

Post-production theory and practice as applied to film.

Prerequisite: FILM 260 completed with a grade of B (3.0) 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.

FILM 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.

FILM 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 program, TVPD 241 for TV program.

Majors only.

FILM 398
Special Studies*1-3 Semester Hours***FILM 399**
Independent Studies*1-3 Semester Hours***FILM 410**
Motion Picture Analysis*3 Semester Hours*

Critical analysis of representative current movies joined, whenever possible, by class encounters with the filmmakers themselves.

Prerequisite: FILM 210.

FILM 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.

FILM 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.

FILM 413**National Film***3 Semester Hours*

An in-depth study of the films of one nation. Screenings, lectures and discussions.

Lab Fee. May be repeated only when a different nation is studied.

FILM 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. Sync sound project, maximum length 15 minutes.

Note: Insurance required for off-campus use of equipment.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: FILM 360, 365, 366, 379; RECA 367.

Majors only.

FILM 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.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: FILM 360, 365, 366, 379; RECA 367.

Majors only.

FILM 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.

FILM 467**Post Production Sound***3 Semester Hours*

Advanced sound theory with actual experience in sound rerecording for both film and television.

Prerequisite: RECA 367.

FILM 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 woman directors in an international context.

FILM 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.

FILM 491
Communication Practicum II*3 Semester Hours*

Further directed experience with a professional company in a media field.

Majors only.

FILM 495
Advanced Studies*1-3 Semester Hours*

Pre-professional individualized study within the School of Film and Television.

May be repeated for degree credit three times.

Prerequisite: Permission of instructor.

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

FILM 513
Seminar in American Film*3 Semester Hours*

Advanced studies in American film. Screenings, lectures, and discussions.

Lab Fee.

FILM 514
Seminar in European Film*3 Semester Hours*

Advanced studies in European film styles. Screenings, lectures, and discussions.

Lab Fee.

FILM 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.

FILM 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.

Note: Insurance is required for location use of sync sound equipment.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisite: Approval of project by the instructor prior to registration.

FILM 598
Special Studies*1-3 Semester Hours***FILM 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 MUSC 104.

Upper Division Requirements:

Satisfactory completion of RECA 350, RECA 352, 355, 356, 357, 367, 450, 457, and 467; and at least one cinema history course chosen from FILM 313, 314, 315, 411, 412, 413, 473, or 510.

Freshman Year

<i>Fall Semester</i>			S.H.
TVPD	200	Survey of Mass Comm.	3
or FILM	210	Art of the Cinema	(3)
ENGL	110	College Writing I	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 Comm.	(3)
MUSC	104	Fundamentals of Music	3
MATH	102	Quantitative Skills	3
MATH	103	Quantitative Skills Lab	0
—	—	University Core (LD)	3
—	—	University Core (LD)	3
			15

Sophomore Year

<i>Fall Semester</i>			S.H.
FILM	—	Cinema History	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
			15

<i>Spring Semester</i>			S.H.
FILM	260	Intro. to Film Production	3
RECA	250	Sound Design	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	The Nature of Sound	3
RECA	367	Production Sound	3
—	—	University Core (UD)	3
—	—	Elective	3
			15

<i>Spring Semester</i>			S.H.
RECA	355	Live Studio Recording	3
RECA	357	Digital Sound Editing for Film	3
—	—	Elective	3
—	—	University Core (UD)	3
—	—	Elective	3
			15

Senior Year

<i>Fall Semester</i>			S.H.
RECA	356	Multi-Track Studio Recording	3
RECA	467	Post Production Sound	3
—	—	Elective	3
—	—	Elective	3
—	—	Elective	3
			15

<i>Spring Semester</i>			S.H.
RECA	450	Senior Project	3
RECA	457	Advanced Audio	3
—	—	Elective	3
—	—	Elective	3
—	—	Elective	3
			15

The proper sequence of these courses should be discussed with the student's advisor.

RECA 250
Sound Design

3 Semester Hours

An introduction to the aesthetic, pragmatic, and technical issues of motion picture sound recording, editing, and mixing.

College of Communication and Fine Arts and School of Film and Television majors only.

Prerequisites: FILM 210 and TVPD 200.

RECA 298
Special Studies

1-3 Semester Hours

RECA 299
Independent Studies

1-3 Semester Hours

RECA 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.

RECA 351
Broadcast Announcing

3 Semester Hours

Theory and practice of proper announcing techniques. Course can emphasize news, commercials, sports, radio drama, or combination thereof.

RECA 352
The Nature of Sound

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.

RECA 355
Live Studio Recording

3 Semester Hours

The theory and practice of recording small ensemble groups in the studio, capturing the immediacy of a "live" performance with no overdubs.

Lecture and Lab: 6 hours

Prerequisites: RECA 350, 352, and 367.

RECA students only.

RECA 356
Multi-Track Studio Recording

3 Semester Hours

Music production and sound engineering using multi-track studio recording techniques.

Lecture and Lab: 6 hours

Prerequisites: RECA 350, 352, 355, and 367.

RECA students only.

RECA 357
Digital Sound Editing for Film

3 Semester Hours

Introduction to sound effects and dialog editing using random access digital sound and picture.

Prerequisites: RECA 350, 352, and 367.

RECA students only.

RECA 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 (3.0) or better; RECA 367 may be taken concurrently with FILM 360. For Recording Arts students—concurrent enrollment in RECA 350 and 352. For Television Production students—TVPD 346.

School of Film and Television majors only.

RECA 398
Special Studies
1-3 Semester Hours

RECA 399
Independent Studies
1-3 Semester Hours

RECA 450
Senior Project
3 Semester Hours

Supervised project in multi-track recording and production of music.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: RECA 350, 352, 355, 356, 357, 367, and 467.

RECA students only.

RECA 457
Advanced Audio
3 Semester Hours

Supervised and advanced projects in audio applications.

Prerequisites: RECA 350, 352, 355, 356, 357, 367, and 467.

RECA students only.

RECA 467
Post-Production Sound
3 Semester Hours

Advanced applications in film and television sound post-production: ADR, Foley, dialog and sound effects editing, and mixing.

Prerequisites: RECA 350, 352, 355, 357, and 367.

RECA students only.

RECA 493
Contemporary Issues: Recording Arts
3 Semester Hours

Further studies in sound recording theory and practice.

Prerequisite: RECA 356.

RECA 498
Special Studies
1-3 Semester Hours

RECA 499
Independent Studies
1-3 Semester Hours

RECA 598
Special Studies
1-3 Semester Hours

RECA 599
Independent Studies
1-3 Semester Hours

Screenwriting

Lower Division Requirements:

12 semester hours of lower division courses distributed as follows: FILM 210, TVPD 200, SCWR 220 (completed with a grade of B [3.0] or better) and FILM 260.

Upper Division Requirements:

Satisfactory completion of FILM 329; SCWR 320, 321, 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.

Minor in Screenwriting for English Majors

The School of Film and Television offers a minor as an option to students majoring in the writing emphasis in the English Department. The minor consists of 18 semester hours.

Required Courses:

FILM 210 Art of the Cinema
 SCWR 220 Beginning Film and Television Writing
 SCWR 320 Intermed. Writing for Film and Television
 SCWR 321 Completing or Rewriting the Feature

Upon completion of the required courses, students will choose two from the following:

SCWR 325 Writing for Comedy
 SCWR 326 Writing the Documentary
 SCWR 426 Writing for Television
 SCWR 428 Adaptation: One Medium to Another

Freshman Year

<i>Fall Semester</i>		S.H.
or	TVPD 200 Survey of Mass Comm. 3	
	FILM 210 Art of the Cinema (3)	
	ENGL 110 College Writing I 3	
	_____ University Core (LD) 3	
	_____ University Core (LD) 3	
	_____ University Core (LD) 3	
	_____	15

15

<i>Spring Semester</i>		S.H.
	FILM 210 Art of the Cinema 3	
or	TVPD 200 Survey of Mass Comm. (3)	
	MATH 102 Quantitative Skills 3	
	MATH 103 Quantitative Skills Lab 0	
	_____ University Core (LD) 3	
	_____ University Core (LD) 3	
	_____ University Core (LD) 3	
	_____	15

Sophomore Year

<i>Fall Semester</i>		S.H.
	FILM 260 Intro. to Film Production 3	
	_____ University Core (LD) 3	
	_____ University Core (LD) 3	
	_____ University Core (LD) 3	
	_____ Elective 3	
	_____	15

<i>Spring Semester</i>		S.H.
	SCWR 220 Beg. Film and 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	
	FILM 329 Directing and Scene Analysis 3	
	SCWR 320 Intermediate Writing for Film and TV 3	
	_____ University Core (UD) 3	
	_____ Elective 3	
	_____	15

<i>Spring Semester</i>		S.H.
SCWR	321	Completing or Rewriting the Feature 3
SCWR	428	Adaptation: One Medium to Another 3
—	—	University Core (UD) 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.
SCWR	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.

SCWR 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.

SCWR 298
Special Studies
1-3 Semester Hours

SCWR 299
Independent Studies
1-3 Semester Hours

SCWR 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/minors only. Lab Fee.

SCWR 321
Completing or Rewriting the Feature
3 Semester Hours

Practical experience in completing or rewriting a feature-length screenplay.

Prerequisite: SCWR 320.

Majors/minors only.

May be repeated once.

SCWR 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/minors only.

SCWR 326
Writing the Documentary
3 Semester Hours

Prerequisite: SCWR 220.

Majors/minors only.

SCWR 398
Special Studies
1-3 Semester Hours

SCWR 399
Independent Studies
1-3 Semester Hours

SCWR 420
Senior Writing Project
3 Semester Hours

Specially directed projects in writing for film, television, or other media from initial concept through finished form.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: SCWR 320 and 321.

Lab Fee.

SCWR 426
Writing for Television
3 Semester Hours

Practical experience in writing one-hour episodic television drama.

Prerequisite: SCWR 320.

SCWR 428
Adaptation: One Medium to Another
3 Semester Hours

Practical experience in translating books (novels and/or non-fiction) into film scripts.

Prerequisite: SCWR 320.

SCWR 498
Special Studies
1-3 Semester Hours

SCWR 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, RECA 250, and TVPD 241 (completed with a grade of B [3.0] or better). (FILM 180 can be taken in the freshman year or the Fall semester of the sophomore year.)

Upper Division Requirements:

Satisfactory completion of FILM 379; TVPD 341, 344, 345, 346; 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 Comm.	3
ENGL	110	College Writing I	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
			15

<i>Spring Semester</i>			S.H.
FILM	180	Art Direction and Sound Stage Production	3
FILM	210	Art of the Cinema	3
MATH	102	Quantitative Skills	3
MATH	103	Quantitative Skills Lab	0
—	—	University Core (LD)	3
—	—	University Core (LD)	3
			15

Sophomore Year

<i>Fall Semester</i>			S.H.
RECA	250	Sound Design	3
SCWR	220	Beg. Film and TV Writing	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
			15

<i>Spring Semester</i>			S.H.
TVPD	241	TV Production Techniques	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
—	—	University Core (LD)	3
—	—	University Core (LD)	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 (UD)	3
—	—	Elective	3
			15

<i>Spring Semester</i>			S.H.
TVPD	341	Intermediate TV Production	3
TVPD	416	Television Genres	3
or TVPD	417	History of Broadcasting	(3)
—	—	University Core (UD)	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	344	Remote TV Production	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 Prod. (3)	
—	—	Elective	3
—	—	Elective	3
—	—	Elective	3
—	—	Elective	3

15

The proper sequence of these courses should be discussed with the student's advisor.

TVPD 200 **Survey of Mass Communications** *3 Semester Hours*

Structure, function, and effects of the mass media.

TVPD 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 hours

TVPD 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 hours

Prerequisites: TVPD 345 and 346.

TVPD 342 **Live Television** *3 Semester Hours*

Aesthetics and techniques of live television programming techniques.

Lecture and Lab: 6 hours

Prerequisite: TVPD 341.

TVPD 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 hours

Prerequisites: TVPD 345 and 346.

TVPD 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: RECA 250 and TVPD 241.

Majors only.

TVPD 346 **Video Editing** *3 Semester Hours*

Practical experience in the techniques and aesthetics of television editing.

Lecture and Lab: 4 hours

Prerequisites: RECA 250 and TVPD 241.

Majors only.

TVPD 398 **Special Studies** *1-3 Semester Hours*

TVPD 399 **Independent Studies** *1-3 Semester Hours*

TVPD 400
Mass Media and Society
3 Semester Hours

The specialized problems in contemporary communications.

Prerequisite: TVPD 200.

TVPD 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.

TVPD 417
History of Broadcasting
3 Semester Hours

An introduction to the history, structure, and procedures of the broadcasting industry.

Lab fee.

TVPD 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.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: FILM 379; TVPD 341 or 344; project approval by the instructor prior to registration.

TVPD 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.

The student must provide a professional copy of all senior thesis-level projects to the School of Film and Television in partial fulfillment of degree requirements.

Prerequisites: FILM 379; TVPD 341 or 344; project approval by the instructor prior to registration.

Majors only.

TVPD 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.

TVPD 491
Communication Practicum II
3 Semester Hours

Further directed experience with a professional company in a media field.

Majors only.

TVPD 498
Special Studies
1-3 Semester Hours

TVPD 499
Independent Studies
1-3 Semester Hours

TVPD 509

Aesthetics of Mass Media

3 Semester Hours

The philosophical bases of media criticism and evaluation.

Lab fee.

College of Science and Engineering



College of Science and Engineering

Administration

Dean: Gerald S. Jakubowski

Associate Dean: W. Thomas Calder (Engineering)

Associate Dean: Stephen H. Scheck (Science)

Graduate Director: Mel I. Mendelson

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 Applied Mathematics, Biochemistry, Biology, Chemistry, Civil Engineering, Computer Science, Electrical Engineering, Engineering and Production Management, Engineering Physics, Environmental Science, Individualized Studies, 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. With the exception of MATH 101,

other lower-division courses in the College of Science and Engineering may also satisfy University core requirements. Check with your Dean's office.

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 and Mathematics

Bachelor of Science in Engineering in: Civil, Electrical, and Mechanical Engineering.

Bachelor of Science in: Applied Mathematics, 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. Both the Bachelor of Arts degree in Mathematics (see the Mathematics section) and the Bachelor of Science degree in Natural Science following the secondary science emphasis in either Biology or Chemistry (see the Natural Science section) are designed to allow completion of the California Preliminary Single Subject (Secondary) credential in four years. These programs are offered in conjunction with the School of Education. The College also offers courses in mathematics and science to support the multiple subject credential program for teaching elementary school (see the Liberal Studies section in the Liberal Arts part of the Bulletin).

All students interested in teaching mathematics or science at the secondary level should inform their departmental advisors as soon as possible

and should also contact the School of Education for help in coordinating their programs.

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, 230; ENGL 130, 140, 150, 170; FNL 180; THEA 240, 245, 331, 336, 341, 346, 347, 348, 349, or 430.

Prerequisite: Successful completion of college writing requirement.

Mathematics, Science and Technology

18 Semester Hours

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 one course from PHIL 320 through 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, 230; 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

18 Semester Hours

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 one course from PHIL 320 through 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 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

Choose from CLAS 200, 210, 220, 230; 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

18 Semester Hours

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 one course from PHIL 320 through 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: M. Catharine McElwain

Professors: Michael Danciger, Roy S. Houston,

E. Virginia Merriam, Stephen H. Scheck,

Anthony P. Smulders, CFMM, John P. Waggoner III

Associate Professors: Philippa M. Drennan, Gary Kuleck,
M. Catharine McElwain

Assistant Professors: Jennifer R. Gillette, 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, 328, 329, 333, 335, 361, 421, 422.
 - (d) One course in Populations, to be selected from BIOL 315, 316, 318, 328, 329, 422, 423, 475, 477.
- Note: BIOL 328, 329, or 422 can satisfy only (c) or (d).
- (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, 328, 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.

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
___	___ Upper Division Elective	3
___	___ University Core	3
		15

<i>Spring Semester</i>		S.H.
BIOL	___ Biology	3
BIOL	___ Biology	4
___	___ Upper Division Elective	3
___	___ Upper Division Elective	3
___	___ Upper Division Elective	3
		16

* The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.

Students who have completed MATH 123 or 132 may begin the physics sequence in the Fall semester of either the sophomore or junior year.

The sequence of the University Core courses should be discussed with the student's advisor.

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

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

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

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 sequence of the University Core courses should be discussed with the student's advisor.

BIOL 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.

BIOL 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 and 111.

BIOL 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.

BIOL 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.

BIOL 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.

BIOL 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.

BIOL 198 **Special Studies** *1-4 Semester Hours*

BIOL 199
Independent Studies*1-4 Semester Hours*

BIOL 201
Cell Function*3 Semester Hours*

Cellular and sub-cellular structures and functions including: DNA and RNA structure and function, protein synthesis and structure, enzyme function, metabolic pathways, membrane function.

Prerequisites: BIOL 101, CHEM 112, or concurrent enrollment.

BIOL 202
Genetics*3 Semester Hours*

A study of Mendelian and molecular genetics.

Prerequisite: BIOL 201.

BIOL 260
Human Biology*3 Semester Hours*

The discussion of general biological principles with a human emphasis. Topics include: cells, heredity and reproduction, animal behavior, organ systems, drugs, disease, ecology, and evolution.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

BIOL 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 101 or 102 or placement into MATH 111 or higher.

BIOL 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 101 or 102 or placement into MATH 111 or higher.

BIOL 263
Natural History of Southern California*3 Semester Hours*

Introduction to the geography, climate, plant communities, and common animals of Southern California; animals will be covered in regard to behavior, taxonomy, and ecology.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

BIOL 264
The Marine Environment*3 Semester Hours*

An introduction to marine biology, including its history, different communities and the animals and plants that occur in marine ecosystems, and their economic importance.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

BIOL 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 101 or 102 or placement into MATH 111 or higher.

BIOL 266
Sacred and Medicinal Plant Use

3 Semester Hours

The sacred and medicinal use of plants and hallucinogenic fungi by traditional and modern cultures, including the biological basis for their use.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

BIOL 271
Human Reproduction and Development

3 Semester Hours

The biological aspects of human reproduction, including the basic reproductive system, genetics, fetal development, nutrition, pregnancy, birth, and neonatal development.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

BIOL 272
Human Drug Use

3 Semester Hours

The physiological, psychological, and social effects of the use of alcohol, tobacco, and other therapeutic and recreational drugs.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

BIOL 275
Human Genetics

3 Semester Hours

Basic Mendelian genetics and the application to individual risk assessments. Population genetics and the implications of artificial selection. Modern molecular genetics and medical applications.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

BIOL 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 101 or 102 or placement into MATH 111 or higher.

BIOL 277
Plants and Society

3 Semester Hours

An introduction to the natural evolution of plant species and the associated cultural evolution of man's relationship to plants.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

BIOL 278
Tropical Marine Ecology

3 Semester Hours

Field studies of the tropical marine habitats in Isla Roatán, Honduras. This includes the examination of the ecology and biology of coral reefs, mangroves, seagrass beds, and intertidal communities.

Summer only - Study Abroad Program.

Prerequisites: MATH 101 or 102 or placement into MATH 111 or higher. Open water SCUBA certification highly recommended.

BIOL 294
Independent Research

1-4 Semester Hours

Prerequisite: BIOL 194 or concurrent enrollment.

BIOL 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.

BIOL 298
Special Studies
1-4 Semester Hours

BIOL 299
Independent Studies
1-4 Semester Hours

BIOL 312
Field Botany
4 Semester Hours

The identification, distribution, evolution, and ecological relationships of the native plants of Southern California.

Lecture, 3 hours; Laboratory, 4 hours; 4 weekend field trips.

Prerequisites: BIOL 102, 111; CHEM 110, 111; MATH 122.

BIOL 315
World Vegetation Ecology
3 Semester Hours

Characteristics and distribution of the major vegetation types of the world, emphasizing environmental conditions, plant adaptations, and ecosystem processes.

Prerequisites: BIOL 102, 111; CHEM 110, 112.

BIOL 316
Island Biology
3 Semester Hours

Island biogeography and evolution, dispersal, adaptive radiation, gigantism/dwarfism, flightlessness, reproductive biology, endemism, and relictualism.

Lecture, 3 hours

Prerequisites: BIOL 101 and 102.

BIOL 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; 2 weekend field trips.

Prerequisites: BIOL 102, 111; CHEM 110, 112; MATH 122.

BIOL 319
Ecology Laboratory
1 Semester Hour

Laboratory and field investigation of ecological relationships.

Laboratory, 4 hours.

Prerequisite: BIOL 318 or concurrent enrollment.

BIOL 328
Tropical Marine Ecology
3 Semester Hours

Field studies of the tropical marine habitats on Isla Roatán, Honduras. This includes the examination of physical, chemical, and ecological aspects as applied to coral reefs, mangroves, seagrass beds, and intertidal communities.

Summer only - Study Abroad Program.

Prerequisites: BIOL 101, 102; CHEM 110, 112. Open water SCUBA certification highly recommended.

BIOL 329
Marine Ecology of Baja, California
3 Semester Hours

Field studies of subtropical, intertidal and subtidal habitats along the coasts of Baja, California peninsula. Emphasis on community structure.

Summer only. Entire course held at the LMU Baja, California Biological Station.

Prerequisites: BIOL 102, 111; CHEM 110, 112.

BIOL 330
Embryology and Development
4 Semester Hours

The development of chordates with emphasis on experimental embryology and underlying molecular mechanisms.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 202; CHEM 222, 223.

BIOL 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.

BIOL 333
Biology of Mammals
4 Semester Hours

Examination of physical, physiological, and ecological characteristics of mammals, including taxonomic relationships, feeding and reproductive strategies, and local and world distribution of mammalian orders and families.

Lecture, 3 hours; Laboratory, 4 hours; Weekend field trips.

For majors only.

Prerequisites: BIOL 102; CHEM 110, 112.

BIOL 335
Comparative Anatomy
4 Semester Hours

A comparative study of the vertebrate structures and their significance in terms of their evolution and function.

Lecture, 3 hours; Laboratory, 4 hours.

Prerequisites: BIOL 101, 102, 111, 112; CHEM 110, 112.

BIOL 351
General Physiology
3 Semester Hours

Introduction to physiological principles and concepts with emphasis on organ systems.

Prerequisite: BIOL 201.

BIOL 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.

BIOL 353
Plant Physiology
3 Semester Hours

Introduction to plant function, including photosynthesis, mineral nutrition, water relations, metabolism and growth processes.

Prerequisites: BIOL 201; CHEM 220, 221; MATH 122.

BIOL 354
Plant Physiology Laboratory
1 Semester Hour

Laboratory experiments in plant physiology.

Laboratory, 4 hours.

Prerequisite: BIOL 353 or concurrent enrollment.

BIOL 356
Cell Biology
3 Semester Hours

A detailed study of subcellular organelles, including their origin, function, and regulation within the cell.

Prerequisites: BIOL 202; CHEM 222, 223.

BIOL 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.

BIOL 361
General Microbiology*3 Semester Hours*

Properties and ecology of viruses, bacteria, and protists; principles of genetics and physiology of bacteria; pathogenesis of bacteria and viruses; microbes as tools for molecular biology.

Prerequisites: BIOL 202; CHEM 220.

BIOL 362
General Microbiology Laboratory*1 Semester Hour*

Laboratory experiments in general microbiology.

Laboratory, 4 hours.

Prerequisite: BIOL 361 or concurrent enrollment.

BIOL 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.

BIOL 376
Genetics Laboratory*1 Semester Hour*

Laboratory experiments in genetics.

Laboratory, 4 hours.

Prerequisites: BIOL 202; CHEM 110, 112.

BIOL 380
Tropical Marine Ecology Laboratory*1 Semester Hour*

Requires consent of instructor.

BIOL 381
Baja Marine Ecology Laboratory*1 Semester Hour*

Requires consent of instructor.

BIOL 382
Africa Biology Laboratory*1 Semester Hour*

Requires consent of instructor.

BIOL 394
Independent Research*1-4 Semester Hours*

Prerequisite: BIOL 194 or concurrent enrollment.

BIOL 398
Special Studies*1-4 Semester Hours*

BIOL 399
Independent Studies*1-4 Semester Hours*

BIOL 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, 111; CHEM 110, 112.

BIOL 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.

BIOL 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, 111; CHEM 110, 112.

BIOL 433
Histology*3 Semester Hours*

The structure and function of human tissue types including basic histological techniques.

Prerequisites: BIOL 102, 112; CHEM 110, 112.

BIOL 437
Plant Development*3 Semester Hours*

Biochemical, molecular and genetic approaches to the study of pattern and tissue formation, embryogenesis, germination, flowering, photosynthesis, and plant-microbe interaction.

Prerequisites: BIOL 202; CHEM 222, 223 or concurrent enrollment.

BIOL 438
Plant Development Laboratory*1 Semester Hour*

Laboratory experiments in plant developmental biology.

Laboratory, 4 hours.

Prerequisite: BIOL 437 or concurrent enrollment.

BIOL 439
Molecular Biology Applications*4 Semester Hours*

The application of the techniques employed in molecular biology to the study of inherited diseases, genetic engineering, infectious diseases, cancer, and gene therapy.

Lecture, 2 hours; Laboratory, 6 hours.

Prerequisites: BIOL 202 and CHEM 220.

BIOL 443
Molecular Biology*3 Semester Hours*

Study of properties, synthesis, and interactions of macromolecules; genetic engineering.

Prerequisites: BIOL 202 and CHEM 220.

BIOL 445
Endocrinology*3 Semester Hours*

The study of the production, functions, and interactions of hormones and other chemical messengers involved in the integration of the living organism.

Prerequisites: BIOL 202 and CHEM 220.

BIOL 449
Immunology*3 Semester Hours*

The study of the immune response mechanisms in the vertebrate organism, with special reference to humans.

Prerequisites: BIOL 202 and CHEM 220.

BIOL 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.

BIOL 475
Evolution*4 Semester Hours*

Study of the pattern and process of evolution. Topics include the development of theories of evolutionary change; the mechanisms of evolutionary change at the population (micro) level; and evolution at the macro level, focusing on speciation, phylogenetic analysis, historical biogeography, and extinctions.

Lecture, 3 hours; laboratory, 4 hours.

Prerequisites: BIOL 101, 102, 112, 201, 202.

BIOL 477
Conservation Genetics
4 Semester Hours

Survey of the major topics in conservation genetics. Basic models of population genetics and topics relevant to conservation genetics, such as population structure, inbreeding, genetic load, genetic variation, reserve design, and the ethical, moral, and political aspects of species conversion.

Lecture, 3 hours; laboratory, 4 hours.

Prerequisites: BIOL 101, 102, 202.

BIOL 490
Biological Teaching
1-2 Semester Hours

Guided teaching of undergraduate laboratories.

May be repeated for credit.

Requires consent of instructor.

BIOL 494
Independent Research
1-4 Semester Hours

Prerequisite: BIOL 194 or concurrent enrollment.

BIOL 498
Special Studies
1-4 Semester Hours

BIOL 499
Independent Studies
1-4 Semester Hours

All 500-level courses require consent of instructor.

BIOL 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.

BIOL 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.

BIOL 526
Marine Pollution Seminar
2 Semester Hours

Study of the types of pollutants and their effect on marine organisms.

Requires consent of instructor.

BIOL 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 528
Invertebrate Conservation Research
2 Semester Hours

Participation in research on topics in invertebrate conservation biology. Research may include ecological and/or genetic approaches and methodologies.

Requires consent of instructor.

BIOL 531
Developmental Genetics Research
2 Semester Hours

Investigation through original literature and laboratory experience of the ways in which genes direct development.

Requires consent of instructor.

Prerequisites: BIOL 194 or concurrent enrollment; BIOL 394, 494, or 594.

BIOL 532
Drosophila Genetics Research*2 Semester Hours*

An introduction to the use of drosophila as a research tool in classical and molecular genetics.

Requires consent of instructor.

Prerequisites: BIOL 194 or concurrent enrollment; CHEM 220.

BIOL 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.

BIOL 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.

BIOL 563
Molecular Genetics Research*2 Semester Hours*

Laboratory work in gene mapping and gene isolation.

Requires consent of instructor.

BIOL 565
Plant Developmental Biology Research*2 Semester Hours*

Laboratory work in molecular and genetic analysis of plant development.

Requires consent of instructor.

Prerequisite: BIOL 194 or concurrent enrollment.

BIOL 569
Ethnobotany Seminar*2 Semester Hours*

An introduction to the mutual relationships between plants and traditional peoples with an emphasis on phyto medicines and sustainability.

Requires consent of instructor.

BIOL 571
Conservation Biology Seminar*2 Semester Hours*

A survey of topics relating to the conservation of animals and plants, including extinction, genetic aspects, demography, insularization, threats to biodiversity, economics and politics, religious and ethical perspectives, and practical applications.

Requires consent of instructor.

BIOL 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.

BIOL 583
Quantitative Biology Seminar*2 Semester Hours*

Mathematical and computer tools used in biology.

Requires consent of instructor.

BIOL 587
Molecular Mechanisms in Development Seminar*2 Semester Hours*

An exploration of current research utilizing molecular/genetic techniques to study developmental biology.

Requires consent of instructor.

BIOL 594
Independent Research*1-4 Semester Hours*

BIOL 598

Special Studies

1-3 Semester Hours

Requires consent of instructor.

BIOL 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, James A. Roe
 Associate Professor: Thomas J. Reilly
 Assistant Professors: S.W. Tina Choe, Annette Pasternak

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, 361, 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
CHEM	361 Quantitative Analysis Lab	0
—	— 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	491 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	490 Chem Seminar	1
—	— Elective	3
—	— Elective	3
—	— Elective	3
		14

Students wishing to be awarded ACS certification may take CHEM 460 and 461 in place of one of the upper division biology electives.

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.

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; 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 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, 361, 390, 391, 470, 471, 472, 473, 490, 491, and 437, 580, or other advanced biochemical elective, but not CHEM 495. Three upper division courses in biology which will include BIOL 356 and two others 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.

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

(124/125 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
CHEM	361	Quantitative Analysis Lab	0
—	—	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
BIOL	—	Upper Division Biology Elective ...	3
or	CHEM	460 Instrumental Analysis	3
	CHEM	461 Instrumental Analysis Lab	1
	CHEM	491 Chemistry Seminar	1
—	—	Upper Div Elective	3
—	—	University Core	3
—	—	University Core	3
			16 or 17

<i>Spring Semester</i>			S.H.
BIOL	—	Upper Div Biol Elective	3
CHEM	—	Adv Biochem Elective	3
CHEM	490	Chemistry Seminar	1
—	—	University Core	3
—	—	Elective	3
—	—	Elective	1
			14

CHEM 110 General Chemistry I

3 Semester Hours

Atomic theory, stoichiometry, properties of gases, solids, liquids, periodic law, solutions, thermochemistry, redox equations.

Lecture, 3 hours.

CHEM 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.

CHEM 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.

CHEM 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.

CHEM 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.

CHEM 198
Special Studies: Chemistry Topics
1-3 Semester Hours

CHEM 199
Independent Studies
1-3 Semester Hours

CHEM 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.

CHEM 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.

CHEM 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.

CHEM 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.

CHEM 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 101 or 102 or placement into MATH 111 or higher.

CHEM 261
The Science in Science Fiction*3 Semester Hours*

The physics, chemistry, and biology found in science fiction literature and examined for accuracy and probability. Topics include the physics of space and space habitats, the chemistry and biology of life arising under non-earthlike conditions, and the ecology of imagined worlds. "Engineering" new worlds on the basis of sound scientific theory will be expected. Understanding of physical implications of simple algebraic expressions is required.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

CHEM 262
The Chemical Environment*3 Semester Hours*

The important chemical processes of the world in which we live; air, water, agriculture, food additives, household chemicals, cosmetics, chemotherapy, sports, toxic waste management.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

CHEM 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 101 or 102 or placement into MATH 111 or higher.

CHEM 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 101 or 102 or placement into MATH 111 or higher.

CHEM 267
Modern Scientific Discovery*3 Semester Hours*

The revolution in molecular biology in the second half of the twentieth century. Topics covered will range from the discovery of the structure of DNA to the design of modern pharmaceuticals.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

CHEM 278
Special Studies: Chemistry Topics*1-3 Semester Hours*

For majors from outside the College of Science and Engineering

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

CHEM 298
Special Studies: Chemistry Topics*1-3 Semester Hours***CHEM 299**
Independent Studies*1-3 Semester Hours***CHEM 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.

CHEM 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, 223; MATH 123 or 132; PHYS 201 or 254.

CHEM 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.

CHEM 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.

CHEM 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.

CHEM 346
Physical Biochemistry
3 Semester Hours

Chemical and enzyme kinetics, solutions of macromolecules, chemical equilibria, transport processes, sedimentation, transport in electric fields, physical methods in biochemistry, scattering.

Lecture, 3 hours.

Prerequisites: CHEM 340 and 341.

CHEM 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.

CHEM 360
Quantitative Analysis
4 Semester Hours

Theory and practice of chemical analyses.

Lecture, 2 hours.

Prerequisites: CHEM 112 and 113.

Corequisite: CHEM 361.

CHEM 361
Quantitative Analysis lab
0 Semester Hours

Calibration of glassware, analysis of selected unknown samples by volumetric, gravimetric, and electrochemical methods.

Laboratory, 6 hours.

Corequisite: CHEM 360.

CHEM 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.

CHEM 390
Chemistry Seminar
1 Semester Hour

Regular attendance at Departmental Seminar Program.

CR/NC grading only.

CHEM 391
Chemistry Seminar
1 Semester Hour

Regular attendance at Departmental Seminar Program and presentation of a seminar.

CHEM 393
Chemistry/Biochemistry Internship
1-3 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.

CHEM 398
Special Studies: Chemistry Topics
*1-3 Semester Hours***CHEM 399**
Independent Studies
1-3 Semester Hours

CHEM 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.

CHEM 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 360, CHEM 430 or concurrent enrollment, CHEM 360.

CHEM 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.

CHEM 440
Advanced Topics in Biophysical and Bioinorganic Chemistry
3 Semester Hours

Begins with an introduction to inorganic chemistry and physical techniques used in studying bioinorganic systems for biochemistry majors, followed by an examination of case studies of inorganic chemistry in biological systems, particularly studies of catalysis by metalloenzymes. Recent research topics will be emphasized—a substantial portion of the course will involve critical reading and discussion, as well as student presentations, of primary journal articles.

Lecture, 3 hours.

Prerequisites: CHEM 340 and either CHEM 370 or 470.

CHEM 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.

CHEM 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 360, CHEM 460 or concurrent enrollment.

CHEM 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.

CHEM 471
Biochemistry I Lab
1 Semester Hour

Techniques of protein purification, enzyme assay and kinetics.

Lecture and laboratory, 4 hours.

Prerequisite: CHEM 370 or 470 or concurrent enrollment.

CHEM 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. Protein biosynthesis.

Lecture, 3 hours.

Prerequisite: CHEM 470.

CHEM 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.

CHEM 490
Chemistry Seminar
1 Semester Hour

Regular attendance at Departmental Seminar Program.

CR/NC grading only.

CHEM 491
Chemistry Seminar
1 Semester Hour

Regular attendance at Departmental Seminar Program and presentation of a seminar.

CHEM 493
Chemistry/Biochemistry Internship
1-3 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.

CHEM 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.

CHEM 497
Introduction to Chemistry/Biochemistry Research*1-3 Semester Hours*

CHEM 498
Special Studies: Chemistry Topics*1-3 Semester Hours*

CHEM 499
Independent Studies: Directed Research*1-3 Semester Hours*

May be repeated for credit up to 6 semester hours.

CHEM 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.

CHEM 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.

CHEM 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.

CHEM 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.

CHEM 598
Special Studies: Chemistry Topics*1-3 Semester Hours*

CHEM 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
 Assistant Professor: Jose A. Saez
 Adjunct Professor: Joseph Haworth

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. 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 of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; telephone (410) 347-7700.

Objectives:

The program 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 program educational objectives, analysis and design courses in the fields of environmental, geotechnical, hydraulic, structural, and water resources engineering are offered in addition to preparatory courses in oral and written communications, mathematics, sciences and basic mechanics. A broad base of theory and design is provided along with discussion of current issues and practices of the profession. Through class assignments, students will become proficient in the use of computers and pertinent software, spreadsheets, presentations, drawing and geographical information system (GIS) programs. Integrated with these courses is the University core curriculum.

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

(132 S. H.)

Major Requirements:

Lower Division Requirements:

CHEM 110, 111; CIVL 210; ELEC 211, 212; ENGR 100, 140, 200, 240, 241; ENVS 220; 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 300, 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	3
ENGL	110 College Writing I	3
MATH	131 Calculus I	4
—	— University Core	3
		17

<i>Spring Semester</i>		S.H.
ENGR	140 Engineering Graphics & Design ...	3
MATH	132 Calculus II	4
PHYS	101 Intro to Mechanics	4
PHYS	103 Intro to Mechanics Lab	0
—	— University Core	3
—	— University Core	3
		17

Sophomore Year

<i>Fall Semester</i>		S.H.
ENGR	200 Statics	3
ENGR	240 Algorithms and Applications	3
ENGR	241 Algorithms & Applications Lab	0
MATH	234 Calculus III	4
PHYS	201 Intro to Elec & Mag	4
PHYS	203 Intro to Elec & Mag Lab	0
—	— University Core	3
		17

<i>Spring Semester</i>		S.H.
CIVL	210 Surveying	3
ELEC	211 Elect & Instru	3
ELEC	212 Elect & Instru Lab	0
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 and GIS	3
ENVS	300 Engineering Geology	3
—	— University Core	3
		15

<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
ENGR	300 Fund. Engineering Exam	0
—	— 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	0
—	—	University Core	3
			16

The proper sequence of the University Core courses should be discussed with the student's advisor.

Environmental Engineering Emphasis within the Civil Engineering Major

(130 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, 212; ENGR 100, 140, 200, 240, 241; 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 300, 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	3
ENGL	110	College Writing I	3
MATH	131	Calculus I	4
—	—	University Core	3
			17

<i>Spring Semester</i>			S.H.
ENGR	140	Engineering Graphics & Design ...	3
MATH	132	Calculus II	4
PHYS	101	Intro to Mechanics	4
PHYS	103	Intro to Mechanics Lab	0
—	—	University Core	3
—	—	University Core	3
			17

Sophomore Year

<i>Fall Semester</i>			S.H.
ENGR	200	Statics	3
ENGR	240	Algorithms and Applications	3
ENGR	241	Algorithms & Applications Lab	0
MATH	234	Calculus III	4
PHYS	201	Intro to Elec & Mag	4
PHYS	203	Intro to Elec & Mag Lab	0
—	—	University Core	3
			17

<i>Spring Semester</i>			S.H.
CIVL	210	Surveying	3
ELEC	211	Elect & Instru	3
ELEC	212	Elect & Instru Lab	0
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	Engineering Geology	3
—	—	University Core	3
			15

<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
ENGR	300	Fund. Engineering Exam	0
—	—	University Core	3
			15

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	0
—	—	CIVL & ENVS Elective	3
—	—	University Core	3
			16

The proper sequence of the University Core courses should be discussed with the student's advisor.

Civil Engineering

CIVL 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, 4 hours.

Prerequisite: Sophomore standing.

CIVL 300 **Mechanics of Materials**

3 Semester Hours

Development of relationships between loads applied to an elastic body to stresses and deformations produced in the body, the relation between stresses and strains, approaches for finding necessary dimensions of a member with respect to material capabilities and design constraints, and a design project.

Lecture, 3 hours.

Prerequisite: ENGR 200.

CIVL 302 **Seismic Design of Structures**

3 Semester Hours

Free and forced vibration of discrete single and multiple degree of freedom systems, continuous systems, design for earthquake loading, application of the Uniform Building Code to the seismic design of structures.

CIVL 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.

CIVL 310
Fluid Mechanics I
 3 Semester Hours

Properties of fluids, fluid statics, kinematics, energy, hydrodynamics, momentum and dynamic forces, steady flow of compressible and incompressible fluids.

Lecture, 3 hours.

CIVL 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.

CIVL 340
Analytical Methods in Civil Engineering I
 3 Semester Hours

Introduction to probability and statistics with an emphasis on techniques and applications useful in engineering.

Lecture, 3 hours.

Prerequisite: MATH 234.

CIVL 360
Autocad and 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 140.

CIVL 395
Engineering Economics and Decision Theory
 3 Semester Hours

The economic evaluation of engineering alternatives. Topics include: time value of money relationships, nominal and effective interest rates, present worth method, annual worth method, rate of return and incremental analysis, depreciation and income taxes, replacement analysis and benefit/cost analysis.

Lecture, 3 hours.

CIVL 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.

CIVL 406
Water Resources Planning and Design
 3 Semester Hours

Flood control hydrology including rainfall, unit hydrographs, flood frequency analysis and flood routing. Development of surface and groundwater supplies, reservoir yield and operation, determination of water requirements, analysis of water supply and distribution systems, including reservoirs and pump stations.

Lecture, 3 hours.

Prerequisite: CIVL 315.

CIVL 410
Soil Mechanics
 4 Semester Hours

Physical and mechanical properties of soil, consolidation, settlement of structures, shear strength, analysis of earth pressures, bearing capacity, slope stability, flow through porous media, and open ended design problems.

Lecture, 3 hours; Laboratory, 3 hours.

Prerequisites: CIVL 300 and 310.

CIVL 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.

CIVL 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.

CIVL 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: CIVL 310, 340; MATH 245.

CIVL 460
Civil Engineering Design
4 Semester Hours

An integrated senior design experience which utilizes knowledge from the civil engineering curriculum. In addition to the technical aspects, the designs consider costs, 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.

Corequisites: CIVL 406 and ENGR 400.

CIVL 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.

CIVL 498
Special Studies
*1-4 Semester Hours***CIVL 499**
Independent Studies
*1-4 Semester Hours***CIVL 504**
Applied Fluid Mechanics
2 Semester Hours

Fundamentals of fluid mechanics, and review of the underlying mathematical principles, viscosity, fluid statics, conservation of mass, energy equation, momentum principle, fluid flow in pipes, hydraulic machinery.

Open to science majors interested in a Master's degree in Environmental Science.

Lecture, 2 hours.

Requires consent of instructor.

CIVL 510
Open Channel Hydraulics
4 Semester Hours

Steady uniform and non-uniform flow in open channels; design of channels, transitions, confluences and culverts. Study of the elements of the hydrologic cycle related to open channel systems and computer-aided design of an open channel system.

Lecture, 4 hours.

Prerequisite: CIVL 315.

CIVL 511
Hydraulic Analysis and Design
4 Semester Hours

Design and analysis of hydraulic structures and pump stations; rainfall-runoff models; determination of reservoir storage; unsteady flow and water hammer; flood routing techniques; sediment transport.

Lecture, 4 hours.

Prerequisite: CIVL 315.

CIVL 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.

Lecture, 2 hours.

CIVL 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.

CIVL 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: CIVL 400 and ENVS 510.

CIVL 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.

CIVL 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.

CIVL 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.

CIVL 595
Structural Steel Design
3 Semester Hours

Theory and design of steel structures, component members, and connections using codes and specifications. Design projects.

Lecture, 3 hours.

Prerequisite: CIVL 300.

CIVL 598
Special Studies
1-4 Semester Hours

CIVL 599
Independent Studies
1-4 Semester Hours

Environmental Science

ENVS 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.

ENVS 300
Engineering 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.

ENVS 498
Special Studies
1-4 Semester Hours

ENVS 498
Independent Studies
1-4 Semester Hours

ENVS 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.

ENVS 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.

ENVS 515
Environmental Impact Reports
2 Semester Hours

An engineering perspective of managing projects through the California Environmental Quality Act (CEQA) process.

Lecture, 2 hours.

ENVS 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.

ENVS 525
Inland Waters
2 Semester Hours

The structure of and movement of water in lakes, rivers, and estuaries; cyclical and progressive changes of the physical, chemical, and biological composition of aquatic systems are discussed along with an explanation of lake remediation techniques.

Lecture, 2 hours.

Prerequisites: ENVS 510 and 544.

ENVS 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.

ENVS 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: CIVL 400 and ENVS 510.

ENVS 598
Special Studies
1-4 Semester Hours

ENVS 599
Independent Studies
1-4 Semester Hours

Electrical Engineering and Computer Science

Faculty:

Chairperson: Barbara E. Marino
 Director, Computer Science: Philip M. Dorin
 Professors: Philip M. Dorin, Tai-Wu Kao, John A. Page,
 Paul A. Rude, Nazmul Ula
 Associate Professor: Raymond J. Toal
 Assistant Professors: Stephanie E. 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 emphases, 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 of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; telephone: (410) 347-7700.

Objectives:

The program educational 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 program educational objectives are met by providing a curriculum which has both breadth and depth. Engineering science and design, mathematics and basic sciences are significant components of the electrical engineering program. In addition to these traditional technical courses, and in keeping with the Jesuit tradition of educating the whole person, the curriculum includes core requirements in the humanities, communications, and the fine arts.

Opportunities for involvement in professional societies, 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 program educational 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 program educational objectives are met by providing a curriculum which follows contemporary guidelines for computer science. Mathematics and digital hardware courses are important components of the curriculum. In addition to these traditional technical courses, and in keeping with the Jesuit tradition of educating the whole person, the curriculum includes core requirements in the humanities, communications, social sciences, and the fine arts.

Opportunities for involvement in professional societies, in student design competitions, and in university co-curricular activities are plentiful and help to accomplish these objectives.

Electrical Engineering Curriculum

(128 S. H.)

Major Requirements:

Lower Division Requirements:

CHEM 110, 111, ELEC 232, 281, 285; ENGR 100, 140, 200, 240, 241; MATH 131, 132, 234, 245; PHYS 101, 103, 201, 203.

Upper Division Requirements:

ELEC 301, 302, 333, 353, 354, 361, 371, 383, 400, 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	3
ENGL	110	College Writing I	3
MATH	131	Calculus I	4
—	—	University Core	3
			—
			17

<i>Spring Semester</i>			S.H.
ENGR	140	Engineering Graphics & Design ...	3
MATH	132	Calculus II	4
PHYS	101	Intro to Mechanics	4
PHYS	103	Intro to Mechanics Lab	0
—	—	University Core	3
—	—	University Core	3
			—
			17

Sophomore Year

<i>Fall Semester</i>			S.H.
ENGR	200	Statics	3
ENGR	240	Algorithms and Applications	3
ENGR	241	Algorithms & Applications Lab	0
MATH	234	Calculus III	4
PHYS	201	Intro to Elec & Mag	4
PHYS	203	Intro to Elec & Mag Lab	0
—	—	University Core	3
			—
			17

<i>Spring Semester</i>			S.H.
ELEC	232	Circuits	3
ELEC	281	Logic Design	3
ELEC	285	Discrete Math w/ Applications	3
MATH	245	Diff. Equations	3
—	—	University Core	3
			—
			15

Junior Year

<i>Fall Semester</i>			S.H.
ELEC	301	Junior Lab I	3
ELEC	333	Circuit Applications	3
ELEC	353	Electronics I	3
ELEC	383	Intro to Microprocessors	3
—	—	University Core	3
			15

<i>Spring Semester</i>			S.H.
ELEC	302	Junior Lab II	3
ELEC	354	Electronics II	3
ELEC	371	Linear Systems	3
MATH	355	Meth of Appl Mathematics	3
—	—	University Core	3
			15

Senior Year

<i>Fall Semester</i>			S.H.
ELEC	361	Electromagnetics	3
ELEC	400	Design Methodology	2
ELEC	401	Senior Lab I	3
ELEC	423	Communications I	3
ELEC	—	Elective	3
—	—	University Core	3
			17

<i>Spring Semester</i>			S.H.
ELEC	402	Senior Project	3
ELEC	424	Communications II	3
ELEC	—	Elective	3
ENGR	400	Senior Seminar	0
—	—	Elective	3
—	—	University Core	3
			15

Computer Engineering Emphasis within the Electrical Engineering Major*(128 S.H.)***Major Requirements:**

Lower Division Requirements:

CHEM 110, 111; ELEC 232, 281; ENGR 100, 140, 200; MATH 131, 132, 234, 245; PHYS 101, 103, 201, 203; CMSI 185, 186, 281.

Upper Division Requirements:

ELEC 301, 302, 333, 353, 354, 371, 383, 400, 401, 402, 423, 424, 584; CMSI 342, 371, 386 or 387; MATH 355; ENGR 400.

Electives:

One ELEC or CMSI elective (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	3
ENGL	110	College Writing I	3
MATH	131	Calculus I	4
—	—	University Core	3
			17

<i>Spring Semester</i>			S.H.
ENGR	140	Engineering Graphics & Design ...	3
MATH	132	Calculus II	4
PHYS	101	Intro to Mechanics	4
PHYS	103	Intro to Mechanics Lab	0
—	—	University Core	3
—	—	University Core	3
			17

The proper sequence of all courses should be discussed with the student's advisor.

Sophomore Year

<i>Fall Semester</i>			S.H.
CMSI	185	Computer Programming	3
ENGR	200	Statics	3
MATH	234	Calculus III	4
PHYS	201	Intro to Elec & Mag	4
PHYS	203	Intro to Elec & Mag Lab	0
—	—	University Core	3
			17

<i>Spring Semester</i>			S.H.
CMSI	186	Programming Laboratory	3
ELEC	232	Circuits	3
ELEC	281	Logic Design	3
MATH	245	Diff. Equations	3
—	—	University Core	3
			15

Junior Year

<i>Fall Semester</i>			S.H.
CMSI	281	Data Structures/Algorithms	3
ELEC	301	Junior Lab I	3
ELEC	333	Circuit Applications	3
ELEC	353	Electronics I	3
ELEC	383	Intro to Microprocessors	3
			15

<i>Spring Semester</i>			S.H.
ELEC	302	Junior Lab II	3
ELEC	354	Electronics II	3
ELEC	371	Linear Systems	3
MATH	355	Meth of Appl Mathematics	3
—	—	University Core	3
			15

Senior Year

<i>Fall Semester</i>			S.H.
CMSI	—	Elective	3
ELEC	400	Design Methodology	2
ELEC	401	Senior Lab I	3
ELEC	423	Communications I	3
ELEC	584	Intro to Microprocessors II	3
—	—	University Core	3
			17

<i>Spring Semester</i>			S.H.
ELEC	402	Senior Project	3
ELEC	424	Communications II	3
ENGR	400	Senior Seminar	0
—	—	Elective	3
—	—	University Core	3
—	—	University Core	3
			15

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	366	Discrete Methods	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
—	—	University Core	3
—	—	University Core	3
			—
			15

<i>Spring Semester</i>			S.H.
CMSI	387	Operating Systems	3
ELEC	384	Intro to Microprocessors	3
MATH	360	Prob and Statistics	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
ELEC	385	Computer System Design	3
—	—	University Core	3
			—
			14

The proper sequence of the University core courses should be discussed with the student's advisor.

Electrical Engineering

ELEC 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.

Prerequisite: Sophomore standing.

Corequisite: ELEC 212.

ELEC 212 **Electronics and Instrumentation Lab**

0 Semester Hours

Concurrent laboratory for ELEC 211.

Laboratory, 2 hours.

Corequisite: ELEC 211.

ELEC 232 **Circuits**

3 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, 3 hours.

Prerequisites: CMSI 185 or ENGR 240; MATH 132; PHYS 201 recommended.

ELEC 260 **Introduction to Electricity and Applications**

3 Semester Hours

Presentation of a brief history of electricity and electrical devices. Introduction to basic concepts of circuit and system analysis, electronic instruments, devices and modern electric equipment. Demonstrations of concepts and devices are included.

Lecture, 3 hours.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

ELEC 281 **Logic Design**

3 Semester Hours

Introduction to computer systems, number systems. Boolean algebra, combinational and sequential logic design, minimization and analysis techniques. Concepts of programmable logic devices.

Lecture, 3 hours.

ELEC 285 **Discrete Math with Applications**

3 Semester Hours

Topics in discrete math, use of C programming techniques in the computer solution of problems.

Lecture, 3 hours.

Prerequisites: CMSI 185 or ENGR 240.

ELEC 301 **Junior Lab I**

3 Semester Hours

Introduction to the use of contemporary lab equipment and techniques of measurement and experimentation; introduction to technical report writing; class is used to provide a laboratory experience related to junior level courses.

Laboratory, 4 hours.

Prerequisites: ELEC 281 and concurrent enrollment in ELEC 333 and 353 or permission of the instructor.

ELEC 302
Junior Lab II
3 Semester Hours

Continuation of ELEC 301 with emphasis on design; introduction to use of CAD tools and FPGA-based system design.

Laboratory, 4 hours.

Prerequisites: ELEC 301 and 383; concurrent enrollment in ELEC 354.

ELEC 333
Circuit Applications
3 Semester Hours

Laplace transform applications, network functions, frequency response, analog filters, two-ports.

Lecture, 3 hours.

Prerequisites: ELEC 232 and MATH 245.

ELEC 353
Electronics I
3 Semester Hours

Fundamentals of semiconductor devices and the physics of their operation. Applications of semiconductor devices in electronic circuits and device modeling. Introduction to CAD tools. Design of single stage amplifiers.

Lecture, 3 hours.

Prerequisites: ELEC 232 and MATH 132.

ELEC 354
Electronics II
3 Semester Hours

Introduction to engineering design methods utilized in the synthesis of contemporary analog electronic circuits including extensive use of CAD tools. Topics include multi-transistor circuits, large signal limitations, feedback techniques, amplifier stability and oscillators.

Lecture, 3 hours.

Prerequisite: ELEC 353.

ELEC 361
Electromagnetics
3 Semester Hours

Introduction to Maxwell's equations, wave propagation, transmission line theory, and the solution of static and time varying field problems.

Lecture, 3 hours.

Prerequisites: MATH 355 and PHYS 201.

ELEC 371
Linear Systems
3 Semester Hours

Time and frequency domain analysis of continuous and discrete linear systems including simulation diagrams, state variable analysis, Fourier and Z transforms.

Lecture, 3 hours.

Prerequisites: ELEC 333 and MATH 355.

ELEC 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.

ELEC 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: CMSI 284 and ELEC 281.

ELEC 385
Computer System Design*3 Semester Hours*

Formal description of digital systems. Design of functional subsystems. Organization and design of general purpose digital computers and of special purpose digital systems.

Lecture, 3 hours.

Prerequisite: ELEC 383 or 384.

ELEC 398
Special Studies*1-4 Semester Hours*

ELEC 399
Independent Studies*1-4 Semester Hours*

ELEC 400
Design Methodology*2 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. Case studies are used to describe the application of project-oriented skills to the solution of design problems.

Lecture, 2 hours.

Prerequisite: Concurrent enrollment in ELEC 401.

ELEC 401
Senior Lab I*3 Semester Hours*

Course is intended to provide a laboratory experience related to other senior level courses; emphasis is on design and technical report writing and oral presentation.

Laboratory, 4 hours.

Prerequisites: ELEC 302, 354, 383.

ELEC 402
Senior Project*3 Semester Hours*

A study of design methodology and development of professional project-oriented skills including communication, team management, creative problem solving, interpersonal management, and leadership skills. Team project activities are used to apply project-oriented skills to solution of design problems. Periodic design reports and design reviews are presented to, and critiqued by the faculty and the design team.

Lecture, 1 hour; Laboratory, 3 hours.

Prerequisites: ELEC 354, 400, 401, 423.

Corequisite: ENGR 400.

ELEC 423
Communications I*3 Semester Hours*

Introduction to signals, spectra, Fourier Transforms, AM, FM and digital communication systems.

Lecture, 3 hours.

Prerequisite: ELEC 371.

ELEC 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.

ELEC 453
Digital Integrated Electronics*3 Semester Hours*

Extensive coverage of digital integrated circuit design, including TTL, NMOS, CMOS and BiCMOS digital logic circuits, Read Only Memory (ROM), and Random Access Memory (RAM).

Lecture, 3 hours.

Prerequisites: ELEC 281 and 354.

ELEC 462
Microwave and Optical Communications
3 Semester Hours

Applications of electromagnetic theory. Topics include transmission lines, waveguides, impedance transformations and matching, passive devices, scatter parameters and their applications in circuits, antennas and wave propagation, fiber optics and other communication links.

Lecture, 2 hours; Laboratory, 3 hours.

Prerequisite: ELEC 361.

ELEC 472
Control Systems
3 Semester Hours

Analysis and design of feedback systems using root locus, Bode, Nyquist and state variable techniques; introduction to discrete feedback control system analysis.

Lecture, 3 hours.

Prerequisite: ELEC 371.

ELEC 481
Introduction to Computer Networks
3 Semester Hours

This course provides a basic introduction to computer networking. The topics covered include: types and uses of computer networks, data transmission, protocols and protocol layering, packets, message transactions, layered architecture, and a client-server introduction.

Lecture, 3 hours.

Prerequisites: Senior standing and permission of instructor.

ELEC 498
Special Studies
1-4 Semester Hours

ELEC 499
Independent Studies
1-4 Semester Hours

ELEC 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 423 and 532, or equivalents.

ELEC 525
Digital Signal Processing
3 Semester Hours

The representation, analysis, and processing of discrete signals are discussed. Topics include sampling, quantization, Z-transform of signal, discrete Fourier and fast Fourier transforms, analysis and design of digital filters, and spectral estimation of random digital signals.

Prerequisite: ELEC 371.

ELEC 532
Probability and Random Processes
3 Semester Hours

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.

ELEC 561
IC Fabrication Processes
3 Semester Hours

Overview of processes in manufacture of integrated circuits. Topics include: single crystal growth, oxide growth, photolithographic processes, ion implantation and impurity diffusion, metal deposition, and passivation and packaging of chips. Use is made of Unix workstations for modeling and simulation.

Prerequisite: ELEC 353 or equivalent.

ELEC 562
Digital System Design with VHDL
3 Semester Hours

Computer aided design of digital VLSI (Very Large Scale Integrated) systems using Very High Speed Integrated Circuits (VHSIC) Hardware Description Language (VHDL).

Prerequisites: ELEC 281 and 383.

ELEC 563
ASIC Design
 3 Semester Hours

Topics include programmable logic devices and gate array architectures, programmability of PLDs and gate arrays, field programmable gate arrays (FPGAs) and applications of FPGAs in digital system design. Course includes laboratory experiments and extensive use of Computer Aided Design tools.

Prerequisite: ELEC 383 or permission of instructor.

ELEC 567
Introduction to Digital VLSI Design
 3 Semester Hours

Custom and semi-custom design of VLSI circuits using standard cells, design methodologies of advanced complementary metal-oxide-semiconductor (CMOS) circuits, and simulation of designed circuits will be emphasized. At the end of the semester, circuits designed by the students will be sent for fabrication through MOSIS and later tested by the students for functionality.

Prerequisite: ELEC 383 or permission of instructor.

ELEC 583
Finite State Machines
 3 Semester Hours

An introduction to the theory and design of finite state automata and sequential machines.

Prerequisite: ELEC 281 or equivalent.

ELEC 584
Introduction to Microprocessors II
 3 Semester Hours

Design and applications of 32-bit microprocessors. Topics include: basic concepts, software, architecture, programming, interfacing and system design. (Not open to students with credit in ELEC 384.)

Prerequisite: ELEC 383 or equivalent.

ELEC 585
Computer Organization and Architecture
 3 Semester Hours

System structure of minicomputers and main frame computers. Structured memory based systems; parallel and multiunit processors; introduction to input/output processing.

Prerequisite: ELEC 385 or equivalent.

Computer Science

CMSI 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.

CMSI 185
Computer Programming
 3 Semester Hours

Introduction to algorithms and computer programming using Java.

Enrollment is limited to CMSI majors, CMSI minors, and EEs in computer engineering emphasis.

Lecture, 3 hours.

CMSI 186
Programming Laboratory
 3 Semester Hours

Workshop in Java programming, loosely structured around the notion of algorithm paradigms, treating one medium-sized application every two weeks in a laboratory setting. Typical projects: discrete simulation, randomized estimation, maze solving, generalized changemaking, file encryption and compression, large-number arithmetic, numerical methods, applet programming.

For majors and minors only.

Prerequisite: A grade of C (2.0) or better in CMSI 185.

CMSI 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.

CMSI 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 101 or 102 or placement into MATH 111 or higher.

CMSI 264
Cryptography throughout the Ages
3 Semester Hours

Descriptions of mathematical systems that have been used for enciphering and deciphering information and a study of the context in which these systems arose. In particular, systems used in warfare, especially World War II, and modern systems including public key cryptography.

Lecture, 3 hours.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

CMSI 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; introduction to computational complexity; elementary sorting; hashing.

Lecture, 3 hours.

Prerequisite: A grade of C (2.0) or better in CMSI 185.

CMSI 282
Data Structures and Algorithms II
3 Semester Hours

Advanced sorting techniques. Order statistics. Algorithm paradigms. Generating combinatorial objects. Cake-cutting and fair division. Graph algorithms. Computational geometry.

Lecture, 3 hours.

Prerequisite: CMSI 281.

CMSI 284
Computer System Organization
3 Semester Hours

Topics include: data representations, instructions and instruction formats, assemblers and assembly languages, linking and loading, process execution, interrupt and device-handling, file management, mixed-language programming.

Lecture, 3 hours.

Prerequisite: CMSI 281.

CMSI 298
Special Studies
1-3 Semester Hours

CMSI 299
Independent Studies
1-3 Semester Hours

CMSI 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 CORBA.

Lecture, 3 hours.

Prerequisite: CMSI 281.

CMSI 361
Internet Technologies
3 Semester Hours

History of the internet and basics of its operation. Topics include: protocols, XML, XHTML, Perl, Java, SMIL, writing CGI scripts, building web applications, multimedia content, databases, three-dimensional interactive virtual worlds, current trends, and future directions.

Lecture, 3 hours.

CMSI 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.

CMSI 385
Introduction to the Theory of Computation
3 Semester Hours

Introduction to the formal theory of computation. Topics include: finite automata and regular sets; phrase-structure grammars; context-free languages and pushdown automata; Turing machines and computability; intractability and NP-completeness.

Lecture, 3 hours.

Prerequisites: CMSI 282 and MATH 248.

CMSI 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.

CMSI 387
Operating Systems
3 Semester Hours

Concepts in the design of operating systems, including: processes, process management, mutual exclusion, synchronization and message-passing, primary memory management, multiprogramming, paged allocation and paging policies, resource and I/O management, file systems, and security. Major emphasis is placed on UNIX and NT architectures and C-language system programming.

Lecture, 3 hours.

Prerequisite: CMSI 284 or ELEC 383.

CMSI 398
Special Studies
1-4 Semester Hours

CMSI 399
Independent Studies
1-4 Semester Hours

CMSI 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.

CMSI 402
Senior Project Lab
4 Semester Hours

Development of a large-scale, individual project.

Lecture and Laboratory, 4 hours.

Prerequisite: Consent of instructor.

**CMSI 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.

**CMSI 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.

**CMSI 475
Computational Complexity***3 Semester Hours*

Introduction to the study of computational complexity, including efficient algorithms for matrix multiplication and fast Fourier transforms, the classes P and NP, approximation algorithms, randomized algorithms and RP, parallel algorithms and NC.

Lecture, 3 hours.

Prerequisites: CMSI 282 and 385.

**CMSI 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 and 386.

**CMSI 486
Introduction to Database Systems***3 Semester Hours*

Theory and design of database systems, with emphasis on relational and object-oriented models. Topics include database languages, file structures, indexing, concurrency control, knowledge bases and logic and distributed systems.

Lecture, 3 hours.

Prerequisite: CMSI 386 and 387.

**CMSI 488
Compiler Construction***4 Semester Hours*

Introduction to the theory and design of translators for high-level computer programming languages. Topics include programming language specification, scanner construction, parser construction, intermediate representations, code generation, and optimization. Coursework includes implementation of a compiler.

Lecture, 3 hours.

Prerequisites: CMSI 385 and 386.

**CMSI 498
Special Studies***1-4 Semester Hours***CMSI 499
Independent Studies***1-4 Semester Hours*

CMSI 583
Theory of Computation
3 Semester Hours

Finite automata, regular sets, right-linear grammars; pushdown automata, context-free languages; Turing machines, decidable and undecidable problems; intractability and NP-completeness.

Lecture, 3 hours.

Prerequisite: CMSI 281.

CMSI 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 and 386.

CMSI 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.

CMSI 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 and 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 Office of the Registrar 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	3
ENGL	110	College Writing I	3
MATH	131	Calculus I	4
—	—	University Core	3
			17

<i>Spring Semester</i>			S.H.
ENGR	140	Engineering Graphics & Design ...	3
MATH	132	Calculus II	4
PHYS	101	Intro to Mechanics	4
PHYS	103	Intro to Mechanics Lab	0
—	—	University Core	3
—	—	University Core	3
			17

Sophomore Year

<i>Fall Semester</i>			S.H.
ENGR	200	Statics	3
ENGR	240	Algorithms and Applications	3
ENGR	241	Algorithms & Applications Lab	0
MATH	234	Calculus III	4
PHYS	201	Intro to Elec & Mag	4
PHYS	203	Intro to Elec & Mag Lab	0
—	—	University Core	3
			17

Students following the Computer Engineering emphasis take CMSI 185, Computer Programming, in place of ENGR 240 and 241 (see Electrical Engineering).

ENGR 100 Introduction to Engineering Analysis and Problem Solving

3 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, 2 hours.

ENGR 140 Engineering Graphics and Design

3 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. Engineering design projects.

Lecture, 2 hours; Laboratory, 2 hours.

Prerequisite: ENGR 100.

ENGR 200**Statics***3 Semester Hours*

Resultants of force systems, free-body diagrams, equations of equilibrium and their applications, analysis of trusses, centroids and moments of inertia, shear and moment diagrams.

Lecture, 3 hours.

Prerequisite: PHYS 101.

Co-requisite: MATH 132.

ENGR 240**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 241.

ENGR 241**Algorithms and Applications Lab***0 Semester Hours*

Concurrent laboratory workshop for ENGR 240.

Laboratory, 1 hour.

Corequisite: ENGR 240.

ENGR 300**Fundamentals of Engineering (FE) Examination***0 Semester Hours*

A review of topics in mathematics, science, and engineering in preparation for the Fundamentals of Engineering (FE) Examination. Students must register for and take the Fundamentals of Engineering (FE) Examination.

Prerequisite: Junior standing.

ENGR 400**Senior Seminar***0 Semester Hours*

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, Ben F. Fitzpatrick,
 Michael D. Grady, Suzanne Larson, David M. Smith,
 Connie J. Weeks, Warren S. Wright, Dennis G. Zill
 Associate Professors: Curtis D. Bennett,
 Herbert A. Medina, Thomas Zachariah
 Assistant Professors: Lily S. Khadjavi, Blake Mellor,
 Edward C. Mosteig, Patrick D. Shanahan
 Adjunct Professor: Robert Vangor

Objectives:

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The department's program allows a student to focus on different aspects of the discipline and leads to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or Liberal Studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the mathematics department serves every department in LMU's four colleges and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the intellectual needs of their fields of study.

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 102 (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 Major Requirements:

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in any mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

Lower Division Major Requirements:

MATH 131, 132, 190, 191, 234, 245, 248, 250, 282; one science course chosen from PHYS 101, 201 and CMSI 182, 185, 281. The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the PHYS and CMSI courses listed above; a second CMSI or PHYS course also may be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

Bachelor of Arts with a Major in Mathematics:

This major is designed for students who are interested in pursuing a career in teaching mathematics at the secondary (i.e., high school) level. With the help of her/his advisor, the student may design a schedule carefully so that s/he can

complete the California Preliminary Single Subject (Secondary) CLAD Teaching Credential during her/his four years at LMU. Furthermore, a program may be designed that allows a student to complete the mathematics degree, credential, and a Master of Arts in Teaching Mathematics at LMU in five years including two summer sessions.

Upper Division Requirements (11 courses):

MATH 321, 331, 357, 360, 490, 493 or 497, 550, one additional 3-unit upper division MATH elective chosen in consultation with his/her advisor; EDUC 488; and two 3-unit EDUC courses chosen from the list of requirements for the preliminary single subject secondary credential or one such EDUC course and one course from PHYS 101, 201 or CMSI 182, 185, 281, 282 or CHEM 110, 112, 220 or BIOL 101, 102, 201, 202.

Bachelor of Science with a Major in Mathematics:

This degree program is designed for students who want a broad foundation in pure mathematics. It is especially suited for students who expect to pursue a graduate degree in mathematics.

Upper Division Requirements (10 courses):

MATH 321, 322, 331, 332 or 350, 357, 360, 471 or 473, 491 or 497, and two additional 3-unit upper division MATH electives chosen in consultation with his/her advisor.

Bachelor of Science with a Major in Applied Mathematics:

This degree program is designed for students who want a broad foundation in applied and computational mathematics. It is especially suited for students who intend to work in a mathematics-related field in industry or who wish to pursue a graduate degree in applied mathematics or science.

Upper Division Requirements (10 courses):

MATH 321, 322 or 357, 331 or 350, 355, 360, 495 or 497, 560, one of 561, 562, or 582; and two additional 3-unit courses chosen in consultation with his/her advisor from the upper division mathematics classes excluding MATH 306, 307, 308, and 309, or CIVL 310, 315 or CMSI 282, 371, 385, 583 or ELEC 232, 333, 361 or PHYS 212, 301, 302, 321, 322.

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 321 (MATH 248 is a prerequisite for MATH 321, so the MATH 321 option requires 27 semester hours), 357, 560, or 562; and one additional 3 semester-hour upper division MATH course chosen in consultation with the applied mathematics minor advisor or MATH 248 and 250 (this option requires 27 semester hours). A cumulative grade point average of C (2.0) or better is required in the courses included in the minor.

Minor in Pure Mathematics Requirements:

At least 23 semester hours including MATH 131, 132, 248; MATH 234 or 250; MATH 321, 357, or 471; MATH 331 or 350; and one additional 3 semester-hour upper division MATH course chosen in consultation with the pure mathematics minor advisor. A minimum cumulative grade point average of C (2.0) is required in the courses included in the minor.

Minor in Secondary Education Mathematics Requirements:

At least 24 semester hours including MATH 131, 132, 234, 248, 360, 490, and 550. A cumulative grade point average of C (2.0) or better is required in the courses included in the minor.

Mathematics Curriculum

(124/126 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

<i>Spring Semester</i>			S.H.
MATH	132	Calculus II	4
MATH	191	Workshop in Math II	2
—	—	Sci Requirement	3/4
—	—	University Core	3
—	—	University Core	3
			—
			15/16

Sophomore Year

<i>Fall Semester</i>			S.H.
MATH	234	Calculus III	4
MATH	248	Intro to Meth of Proof	3
—	—	Sci Requirement	3/4
or	—	University Core	3
—	—	University Core	3
—	—	University Core	3
			—
			16/17

Upon successful completion of MATH 248, the student must make an appointment with the Chair of the Mathematics Department to discuss which of the three major programs the student wishes to pursue and to have assigned an upper division advisor appropriate to that major.

<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
—	—	University Core	3
			—
			18

Junior Year

<i>Fall Semester</i>			S.H.
MATH	321	Real Variables I	3
MATH	—	Math Requirement	3
—	—	Math or Major Requirement	3
—	—	University Core	3
—	—	University Core or Elective	3
			—
			15

<i>Spring Semester</i>			S.H.
MATH	—	Math Requirement	3
MATH	—	Math Requirement	3
—	—	Math or Major Requirement	3
—	—	University Core	3
—	—	University Core or Elective	3
			—
			15

Senior Year

<i>Fall Semester</i>			S.H.
MATH	—	Math Requirement	3
MATH	—	Math Requirement	3
—	—	Math or Major Requirement	3
—	—	University Core or Elective	3
—	—	University Core or Elective	3
			—
			15

<i>Spring Semester</i>			S.H.
MATH	—	Math Requirement	3
MATH	—	Math Requirement	3
—	—	Math or Major Requirement	3
—	—	University Core or Elective	3
—	—	University Core or Elective	3
			—
			15

MATH 101 Algebra

3 Semester Hours

Polynomials, rational expressions, exponents, radicals, equations in one and two variables, the quadratic formula, functions and graphs.

MATH 102 Quantitative Skills for the Modern World

3 Semester Hours

Quantitative and analytic skills used to understand personal and social issues faced in everyday life. Topics include problem solving, computer spreadsheets, probability and statistics, and the mathematics of finance.

Corequisite: MATH 103.

MATH 103
Quantitative Skills for the Modern World Lab
0 Semester Hours

Concurrent laboratory for MATH 102.

Corequisite: MATH 102.

MATH 111
Mathematical Analysis for Business I
3 Semester Hours

Systems of equations and inequalities, exponential and logarithmic functions, math of finance, linear programming.

Prerequisite: MATH 101 or Mathematics Placement Examination.

MATH 112
Mathematical Analysis for Business II
3 Semester Hours

Introduction to the differential and integral calculus of elementary functions. Applications of the methods of calculus to business and economics problems.

Prerequisite: MATH 111 or Mathematics Placement Examination.

MATH 120
Precalculus Mathematics
3 Semester Hours

Functions; polynomial, rational, trigonometry, exponential and logarithmic functions.

Prerequisite: MATH 101 or Mathematics Placement Examination.

MATH 122
Calculus for the Life Sciences I
3 Semester Hours

An introduction to calculus. Derivatives and integrals of the elementary functions, including computational techniques and applications.

Prerequisite: MATH 120 or Mathematics Placement Examination.

MATH 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.

MATH 131
Calculus I
4 Semester Hours

Limits, continuity, derivatives of algebraic and transcendental functions, applications of the derivative, antiderivatives, introduction to the definite integral, Fundamental Theorem of Calculus.

Prerequisite: MATH 120 or Mathematics Placement Examination.

MATH 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.

MATH 154
Elementary Statistics
3 Semester Hours

Introduction to methods of inferential statistics, histograms, elementary probability, and random variables and distributions.

MATH 190
Workshop in Mathematics I
2 Semester Hours

Study skills, analytical and problem solving skills, technical writing, recent fields of study, and advances in mathematics, mathematical career opportunities.

MATH 191
Workshop in Mathematics II
2 Semester Hours

A continuation of MATH 190.

MATH 198
Special Studies
0-4 Semester Hours

MATH 199
Independent Studies
1-4 Semester Hours

MATH 234
Calculus III
4 Semester Hours

Partial derivatives, multiple integrals, three-dimensional space, vectors in two- and three- dimensional space, line integrals, Green's theorem.

Prerequisite: MATH 132 or equivalent.

MATH 245
Ordinary Differential Equations
3 Semester Hours

Differential equations as mathematical models, analytical, qualitative, and numerical approaches to differential equations and systems of differential equations, and Laplace transform techniques.

Prerequisite: MATH 132 or equivalent.

MATH 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.

MATH 250
Linear Algebra
3 Semester Hours

Systems of linear equations, Gauss and Gauss-Jordan elimination, matrices and matrix algebra, determinants. Linear transformations of Euclidean space. General vector spaces, linear independence, inner product spaces, orthogonality. Eigenvalues and eigenvectors, diagonalization. General linear transformations.

Prerequisite: MATH 248 or consent of instructor.

MATH 261
Mathematics: Contributions by Women
3 Semester Hours

A study of the biographies and mathematics of women mathematicians from the 1st through the 20th centuries. Topics include prime numbers, conic sections, cycloid curve, functions, sequences, series, polyhedra, and group theory.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

MATH 262
A Survey of Mathematical Ideas
3 Semester Hours

Basic principles, history and applications of selected topics from mathematics.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

MATH 263
Mathematics in the Modern World
3 Semester Hours

A discussion of the history and applications of mathematics in modern society.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

MATH 264
Cryptography throughout the Ages
3 Semester Hours

A study of mathematical systems used for enciphering and deciphering information and the context in which these systems arose; in particular, encryption/decryption used during World War II and modern systems, including public key cryptography. Policy issues related to cryptography also will be studied.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

MATH 282
Elementary Numerical Methods
3 Semester Hours

Computer solutions of applied mathematical problems using Fortran, and Mathematica. Nonlinear equations, differentiation, integration.

Prerequisite: MATH 131.

MATH 298
Special Studies
1-4 Semester Hours

MATH 299
Independent Studies
1-4 Semester Hours

MATH 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 with a minimum grade of C (2.0) or Mathematics Placement Examination.

MATH 307
Mathematics for Elementary Teachers II
3 Semester Hours

Geometry, metric system, and introduction to probability and statistics.

Not open to majors in Mathematics.

Prerequisite: MATH 306.

MATH 308
Mathematics for Elementary Teachers Workshop I
1 Semester Hour

Hands-on use of math manipulatives related to the elementary school concepts of sets, systems of numeration, whole numbers, integers, fractions, and decimals.

Prerequisite: MATH 306 or concurrent enrollment or consent of instructor.

MATH 309
Mathematics for Elementary 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.

MATH 321
Real Variables I
3 Semester Hours

The real number system, least upper bound, sequences, Cauchy sequences, functions, limits of functions, continuity, derivatives, and Riemann integration.

Prerequisite: MATH 248.

MATH 322
Real Variables II
3 Semester Hours

Infinite series, uniform convergence, power series, and improper integrals.

Prerequisite: MATH 321.

MATH 331
Elements of Group Theory
3 Semester Hours

Group theory. Binary operations, subgroups, cyclic groups, factor groups, isomorphism, homomorphism, and Cayley's theorem.

Prerequisite: MATH 248.

MATH 332
Elements of the Theory of Rings and Fields
3 Semester Hours

Rings, integral domains, fields, ideals, factor rings, polynomial rings, and unique factorization domains.

Prerequisite: MATH 331.

MATH 350
Advanced Linear Algebra

3 Semester Hours

Vector spaces over an arbitrary field, dual spaces, Cayley-Hamilton theorem, invariant subspaces, canonical forms for matrices, inner product spaces over \mathbb{C} , the spectral theorem.

Prerequisite: MATH 250.

MATH 355
Methods of Applied Mathematics

3 Semester Hours

Series solutions and special functions. Orthogonal functions and Fourier series, partial differential equations and boundary value problems.

Prerequisites: MATH 234 and 245.

MATH 357
Complex Variables

3 Semester Hours

Complex variables; analytic functions, Laurent expansions and residues; evaluation of real integrals by residues; integral transforms.

Prerequisite: MATH 234.

MATH 360
Introduction to Probability and Statistics

3 Semester Hours

Descriptive statistics, probability, discrete and continuous random variables, limit theorems, sampling distributions, estimations of parameters, nonparametric methods, hypothesis testing, linear regression.

Prerequisite: MATH 123 or 132.

MATH 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.

MATH 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.

MATH 398
Special Studies

1-4 Semester Hours

MATH 399
Independent Studies

1-4 Semester Hours

MATH 471
Topology

3 Semester Hours

An introduction to metric and topological spaces; continuity and homeomorphism; separation properties; connectivity and compactness; examples and applications.

Prerequisite: MATH 321.

MATH 473
Differential Geometry

3 Semester Hours

Curves, parametrizations, and arc length; surfaces, differentiable functions, and the first fundamental form (area); the Gauss map; isometries, Gauss' Theorema Egregium, geodesics, and the Gauss-Bonnet theorem.

Prerequisites: MATH 234 and 250.

MATH 490
History of Mathematics

3 Semester Hours

The development of mathematics from historical and cultural viewpoints including both European and non-European roots of mathematics as well as contributions by women.

Prerequisite: MATH 248.

MATH 491
Senior Mathematics Seminar
3 Semester Hours

MATH 493
Senior Seminar for Future Mathematics Educators
3 Semester Hours

Topics in high school mathematics are examined from an advanced standpoint by developing and exploring extensions and generalizations of typical high school problems, by making explicit connections between these problems and upper division mathematics courses, and by providing historical context. Current issues in secondary mathematics education will be investigated. Written and oral presentations are required.

Prerequisite: Senior standing or consent of instructor.

MATH 495
Mathematical Modeling
3 Semester Hours

Introduction to various modeling techniques, design and implementation of algorithms, organization and presentation of results, introduction to problem solving using computer algebra systems.

Prerequisite: Senior standing or consent of instructor.

MATH 497
Senior Thesis
3 Semester Hours

This course is intended to provide the student with an opportunity to complete a substantive research project under the guidance of a faculty member. The student will prepare a written report and an oral presentation on the project at the end of the semester.

Prerequisite: Senior standing and the consent of both the chairperson and a faculty thesis advisor.

MATH 498
Special Studies
1-3 Semester Hours

MATH 499
Independent Studies
1-3 Semester Hours

MATH 550
Fundamental Concepts of Geometry
3 Semester Hours

Euclidean and non-Euclidean planar geometries, axiomatic systems, synthetic and analytic representations, relationships with algebra, and selected topics and applications.

Prerequisites: MATH 248 and 250.

MATH 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.

MATH 561
Computational Methods in Linear Algebra
3 Semester Hours

Numerical solutions of linear systems of equations, Gauss elimination and iterative methods, eigenvalues and eigenvectors.

Prerequisites: CMSI 182 or 185 or MATH 282, and MATH 250 or consent of instructor.

MATH 562
Numerical Analysis
3 Semester Hours

Numerical solutions of non-linear equations, interpolation, numerical differentiation, integration, and solution of differential equations.

Prerequisites: CMSI 182 or 185 or MATH 282, and MATH 245 or consent of instructor.

MATH 568
Mathematical Methods of Operations Research
3 Semester Hours

Linear and dynamic programming, network analysis, inventory control.

Prerequisite: MATH 360.

MATH 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.

MATH 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.

MATH 598**Special Studies***1-3 Semester Hours***MATH 599****Independent Studies***1-3 Semester Hours*

Mechanical Engineering

Faculty:

Chairperson: Rafiqul I. Noorani
 Professors: Omar S. Es-Said, Franklin E. Fisher,
 Gerald S. Jakubowski, Mel I. Mendelson,
 Rafiqul I. Noorani, Bohdan W. Oppenheim

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. 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.

Students can participate in national competitions designing and building projects such as Formula SAE, human-powered vehicles, and Mini Baja ("off road") vehicles. Students can also participate in the work of the U.S. Department of Energy Industrial Assessment Center located on the LMU campus. THE DOE/IAC affords LMU engineering students the opportunity to gain income, academic credit, and professional experience as they perform on-site energy, pollution, and productivity audits for small- and medium-sized manufacturing firms.

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 worldwide reputations in their fields.

Accreditation:

The Mechanical Engineering program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; telephone: (410) 347-7700.

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 program educational objectives, 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 program educational 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

(130 S.H.)

Major Requirements:

Lower Division Requirements:

CHEM 110, 111; ELEC 211, 212; ENGR 100, 140, 200, 240, 241; MATH 131, 132, 234, 245; MECH 231, 240, 251; PHYS 101, 103, 201, 203.

Upper Division Requirements:

CIVL 300, 310, 395; ENGR 300, 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 400- or 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	3
ENGL	110 College Writing I	3
MATH	131 Calculus I	4
—	— University Core	3
		17

<i>Spring Semester</i>		S.H.
ENGR	140 Engineering Graphics & Design ...	3
MATH	132 Calculus II	4
PHYS	101 Intro to Mechanics	4
PHYS	103 Intro to Mechanics Lab	0
—	— University Core	3
—	— University Core	3
		17

Sophomore Year

<i>Fall Semester</i>		S.H.
ENGR	200 Statics	3
ENGR	240 Algorithms & Applications	3
ENGR	241 Algorithms & Applications Lab	0
MATH	234 Calculus III	4
PHYS	201 Intro to Elec & Mag	4
PHYS	203 Intro to Elec & Mag Lab	0
—	— University Core	3
		17

<i>Spring Semester</i>		S.H.
ELEC	211 Elec & Instru	3
ELEC	212 Elec & Instru Lab	0
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
ENGR	300	Fund. Engineering Exam	0
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
			—
			15

Senior Year

<i>Fall Semester</i>			S.H.
MECH	441	Mech Lab-III	2
MECH	483	Elements of Design	3
MECH	536	Shock & Vibration Engineering	3
MECH	550	CAM	2
—	—	University Core	3
—	—	University Core	3
			—
			16

<i>Spring Semester</i>			S.H.
ENGR	400	Senior Seminar	0
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
			—
			14

The proper sequence of the University Core courses should be discussed with the student's advisor.

MECH 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 and MATH 234.

MECH 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.

MECH 251 Thermodynamics

3 Semester Hours

The fundamental concepts of classical thermodynamics including properties, work and heat; first and second laws; entropy; irreversible processes, gas mixtures and combustion; and thermodynamic analysis of engine, refrigeration, and propulsion systems. Design project required.

Lecture, 3 hours.

Prerequisites: Sophomore standing in engineering.

MECH 270 Materials

3 Semester Hours

Introduction to the chemistry and physics of different materials. Types of materials (metals, ceramics, polymers, and composites) and the relation between their structure and properties. Selection of materials in different applications.

Lecture, 3 hours.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

MECH 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 101 or 102 or placement into MATH 111 or higher.

MECH 298
Special Studies
1-3 Semester Hours

MECH 299
Independent Studies
1-3 Semester Hours

MECH 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.

MECH 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 and 111.

Corequisite: MECH 341.

MECH 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: CIVL 300 and MECH 312.

Corequisite: MECH 342.

MECH 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.

MECH 340
Engineering Systems II
3 Semester Hours

Process dynamics, instrumentation and feedback applied to automatic process control.

Lecture, 3 hours.

Prerequisite: MATH 245.

MECH 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.

MECH 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 and 353.

MECH 353
Heat Transfer
3 Semester Hours

The fundamentals of conduction, convection, and radiation heat transfer. Thermal analysis and design of components and devices. Numerical analysis of heat conduction problem.

Lecture, 3 hours.

Prerequisite: Junior standing in Mechanical Engineering.

MECH 398
Special Studies
1-3 Semester Hours

MECH 399
Independent Studies
1-3 Semester Hours

MECH 441
Mechanical Engineering Lab III
2 Semester Hours

Laboratory applications of vibrations and data acquisition; elasticity, buckling, material testing; compressible flow and jet engine testing; and computer-aided manufacturing such as NC machining, rapid prototyping, investment casting and robotics.

Lecture/Laboratory, 3 hours.

Corequisite: MECH 550.

MECH 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.

MECH 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 and MECH 334.

MECH 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.

Corequisite: ENGR 400.

MECH 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.

MECH 498
Special Studies
1-3 Semester Hours

MECH 499
Independent Studies
1-3 Semester Hours

MECH 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. Benchmarking, 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.

MECH 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.

MECH 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.

MECH 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.

MECH 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.

MECH 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 and MECH 312.

Corequisite: MECH 441.

MECH 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 analysis utilized.

Lecture, 3 hours.

MECH 560
Turbomachinery
3 Semester Hours

Analysis and design of compressors, pumps, and fans.

Lecture, 3 hours.

Prerequisite: Senior standing in Mechanical Engineering.

MECH 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.

MECH 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.

MECH 596
Design Project
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, SAE Aero Design, or other competitions approved by the department.

MECH 598
Special Studies
1-3 Semester Hours

MECH 599
Independent Studies
1-3 Semester Hours

Natural Science

General Science Emphasis

Pre-Physical/Occupational Therapy Emphasis

Environmental Science Emphasis

Secondary Science Education Emphases

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. In addition, specialized programs within Natural Science provide prerequisite training for graduate programs in physical and occupational therapies (and other allied health professions), training for careers and graduate programs in environmental science, and content preparation for a high school teaching credential.

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, studio and graphic arts, journalism, and other professions where a science background could be an asset.

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:

27 semester hours must be taken in upper division offerings in the Departments of Biology, Chemistry, Natural Science, or Physics. This includes an upper division NTLS course with lab and two additional upper division laboratory courses. Up to 6 semester hours of internship courses, undergraduate research courses, and natural science teaching 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 enhance development of the student's science program.

A student must have a C (2.0) average in upper division science courses.

Minor Requirements:

Two courses 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.
NTLS	—	Lower Division	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.
NTLS	—	Upper Division 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.
—	—	UD 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

Senior Year

<i>Fall Semester</i>			S.H.
—	—	UD Science with Lab	4
—	—	UD Science	3
—	—	UD Science	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.

Pre-Physical/Occupational Therapy Emphasis

Objectives:

This emphasis provides the student with the required courses in science, mathematics, psychology, and liberal arts needed to apply to either physical therapy or occupational therapy graduate programs. In addition, students are required to do internship work in a physical therapy or occupational therapy setting. This internship experience helps satisfy the volunteer hours required by the physical therapy or occupational therapy graduate programs.

Major Requirements:

Lower Division Requirements:

BIOL 101, 102, 111, 112; CHEM 110, 111, 112, 113; MATH 122, 154; NTLS 151, 152, 153, 154; PHYS 253, 254, 255, 256; PSYC 100.

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:

27 semester hours must be taken in upper division offerings in the Departments of Biology, Chemistry, Natural Science, or Physics and must include: NTLS 355, 356, 480, 485, and 495 or 496. Two additional upper division laboratory courses must be taken. Up to 6 semester hours of internship courses, undergraduate research courses, and natural science teaching courses can be counted toward the upper division science requirement.

A student must have a C (2.0) average in upper division science courses.

The following upper division psychology courses are required: PSYC 332 and 352.

B.S. Degree in Natural Science

Pre-Physical/Occupational Therapy Emphasis (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
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.
NTLS	151	Human Anatomy & Physlgy I 3
NTLS	152	Human Anat & Physlgy I Lab 1
PSYC	100	General Psychology 3
—	—	Elective * 3
—	—	University Core 3
—	—	University Core 3
		16

<i>Spring Semester</i>		S.H.
MATH	154	Elementary Statistics 3
NTLS	153	Human Anat. & Physlgy II 3
NTLS	154	Human Anat. & Physlgy II Lab ... 1
—	—	Elective 3
—	—	University Core 3
—	—	University Core 3
		16

Junior Year

<i>Fall Semester</i>			S.H.
NTLS	355	Exercise Physiology	3
NTLS	356	Exercise Physiology Lab	1
PHYS	253	General Physics I	5
PHYS	255	General Physics I Lab	0
PSYC	332	Psychological Disorders	3
—	—	University Core	3
			—
			15

<i>Spring Semester</i>			S.H.
—	—	UD Science with Lab **	4
PHYS	254	General Physics II	5
PHYS	256	General Physics II Lab	0
PSYC	352	Developmental Psychology	3
—	—	University Core	3
			—
			15

Senior Year

<i>Fall Semester</i>			S.H.
NTLS	480	Kinesiology	3
—	—	UD Science with Lab	4
—	—	UD Science	3
—	—	UD Elective	3
—	—	University Core	3
			—
			16

<i>Spring Semester</i>			S.H.
NTLS	485	Biomechanics	3
NTLS	495	Physical Therapy Internship	4
or NTLS	496	Occupational Therapy Intern	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.

* BIOL 201 suggested
 ** BIOL 335 suggested

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, 112, and 201; CHEM 110, 111, 112, 113, 220, 221, and 222; MATH 131, 132 (or MATH 122, 123); NTLS 101; PHYS 101, 103, 201, and 203 (or PHYS 253, 254, 255, and 256). In addition, either ENVS 220 or MATH 154 is required.

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:

39 upper division hours which will include: BIOL 318, 319, 361, and 362; CHEM 360 and 361; ENVS 300; and NTLS 301, 302, 330, 375, 401, 512, and 531. In addition, an upper division elective course with lab in chemistry and an upper division science elective are required.

A student must have a C (2.0) average in upper division science courses.

B.S. Degree in Natural Science

Environmental Science Emphasis (124/125 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
NTLS	101	Intro to Environmental Sci	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	131	Calculus I **	4
—	—	University Core	3
			16

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
—	—	University Core	3
—	—	University Core	3
			17

<i>Spring Semester</i>			S.H.
CHEM	222	Organic Chemistry II	3
ENVS	220	Intro to Environmental Eng	2
or MATH	154	Elementary Statistics	3
NTLS	375	Genetics	3
PHYS	101	Intro to Mechanics*	4
PHYS	103	Intro to Mechanics Lab*	0
—	—	University Core	3
			15/16

Junior Year

<i>Fall Semester</i>			S.H.
BIOL	318	Ecology	3
BIOL	319	Ecology Lab	1
ENVS	300	Engineering 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
CHEM	361	Quantitative Analysis Lab	0
NTLS	301	Environmental Science	3
NTLS	302	Environmental Science Lab	1
NTLS	330	Environmental Chemistry	3
—	—	University Core	3
			14

Senior Year

<i>Fall Semester</i>			S.H.
BIOL	361	Microbiology	3
BIOL	362	Microbiology Lab	1
CHEM	—	UD Chemistry Elective	4
NTLS	531	Principles of Water Quality	2
—	—	University Core	3
—	—	University Core	3
			16

<i>Spring Semester</i>			S.H.
NTLS	401	Senior Seminar	3
NTLS	512	Air Pollution Analysis	2
—	—	UD Science Elective	3
—	—	University Core	3
—	—	University Core	3
			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 Emphases

Objectives:

These programs of study provide a good grounding in basic scientific and mathematical principles appropriate for those interested in pursuing teaching careers at the secondary level. The programs consist 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 programs are designed to meet the State Teacher Credential requirements for subject matter preparation in science and are currently under review.

B.S. Degree in Natural Science

Secondary Science Education in Biology Emphasis, (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
ENGL	110	College Writing I	3
MATH	122	Calculus 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
NTLS	276	Atmospheric Science	3
or PHYS	271	Astronomy	3
_____	_____	HIST 161 or POLS 135 **	3
_____	_____	University Core	3
			15

<i>Spring Semester</i>			S.H.
EDUC	400	Sociocultural Analysis of Educ	3
NTLS	375	Genetics	3
_____	_____	University Core	3
_____	_____	University Core	3
_____	_____	Elective	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.
BIOL	_____	UD Physiology Elective ***	4
EDUC	402	Educ Psych for Adolesc Years	3
NTLS	491	Science Education Internship	3
PHYS	254	General Physics II	5
PHYS	256	General Physics II Lab	0
_____	_____	University Core	3
			18

Senior Year

<i>Fall Semester</i>			S.H.
BIOL	475	Evolution	4
BIOL	___	UD Plant Biology Elective ***	3
ENVS	300	Geology	3
___	___	UD Biology Seminar	2
___	___	University Core	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>Spring Semester</i>			S.H.
EDUC	414	Theories in Second Lang Acq	3
NTLS	301	Environmental Science	3
NTLS	302	Environmental Science Lab	1
___	___	Elective	3
___	___	University Core	3
___	___	University Core	3
			16

<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

* 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.

*** Either the UD physiology elective or the UD plant biology elective must have a lab.

<i>Spring Semester</i>			S.H.
CHEM	222	Organic Chemistry II	3
CHEM	223	Organic Chemistry II Lab	1
EDUC	400	Sociocultural Analysis of Educ	3
PHYS	254	General Physics II	5
PHYS	256	General Physics II Lab	0
___	___	University Core	3
			15

B.S. Degree in Natural Science

*Secondary Science Education in Chemistry Emphasis,
(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

Junior Year

<i>Fall Semester</i>			S.H.	
CHEM	370	Introduction to Biochemistry	3	
ENVS	300	Geology	3	
NTLS	276	Atmospheric Science	3	
or	PHYS	271	Astronomy	3
___	___	University Core	3	
___	___	University Core	3	
			15	

<i>Spring Semester</i>		S.H.
CHEM	330 Inorganic Chemistry	3
CHEM	360 Quantitative Analysis	4
CHEM	361 Quantitative Analysis Lab	0
EDUC	402 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
NTLS	491 Science Education Internship	3
—	— University Core	3
—	— University Core	3
		16

<i>Spring Semester</i>		S.H.
CHEM	491 Chemistry Seminar	1
EDUC	414 Theories in Second Lang Acq	3
NTLS	301 Environmental Science	3
NTLS	302 Environmental Science Lab	1
—	— UD Elective	3
—	— 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.

NTLS 101 Introduction to Environmental Science

3 Semester Hours

Introduction to the study of environmental science. Examination of issues and problems associated with the environment including examples from air, water, and soil pollution and some remediation strategies.

NTLS 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.

NTLS 152 Human Anatomy and Physiology I Lab

1 Semester Hour

Companion lab course to NTLS 151.

Laboratory, 4 hours.

NTLS 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.

NTLS 154 Human Anatomy and Physiology II Lab

1 Semester Hour

Companion lab course to NTLS 153.

Laboratory, 4 hours.

NTLS 260 Aviation and Space

3 Semester Hours

A survey, within the context of the natural sciences, of the history, science, and technology of flight within and beyond the earth's atmosphere. Topics include aviation and space history, principles of flight, aviation physiology, aviation meteorology, rocketry, space flight, and the nature of space.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

NTLS 261
The Science in Science Fiction
3 Semester Hours

The physics, chemistry, and biology found in science fiction literature are 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 101 or 102 or placement into MATH 111 or higher.

NTLS 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 101 or 102 or placement into MATH 111 or higher.

NTLS 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 101 or 102 or placement into MATH 111 or higher.

NTLS 265
Women in Science and Mathematics: Breaking the Stereotype
3 Semester Hours

A study of the work of prominent women scientists and mathematicians. The course will also examine their lives and how they succeeded in traditionally male disciplines.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

NTLS 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 101 or 102 or placement into MATH 111 or higher.

NTLS 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 101 or 102 or placement into MATH 111 or higher.

NTLS 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 101 or 102 or placement into MATH 111 or higher.

NTLS 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 101 or 102 or placement into MATH 111 or higher.

NTLS 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 101 or 102 or placement into MATH 111 or higher.

NTLS 275
Minerals
3 Semester Hours

The study of geologic processes in mineral formation, world-wide distribution, and commercial value to human societies.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

NTLS 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 101 or 102 or placement into MATH 111 or higher.

NTLS 298
Special Studies
1-4 Semester Hours

NTLS 299
Independent Studies
1-4 Semester Hours

NTLS 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.

NTLS 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.

Laboratory, 4 hours.

Prerequisite: NTLS 301 or concurrent enrollment.

NTLS 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.

NTLS 355
Exercise Physiology
3 Semester Hours

In-depth examination of the biochemical, cellular, and organ system functions and adaptations associated with physical fitness and athletic conditioning.

Prerequisite: BIOL 201 or NTLS 153 and 154.

NTLS 356
Exercise Physiology Lab
1 Semester Hour

Companion lab course to NTLS 355

Laboratory, 4 hours.

Prerequisite: NTLS 355 or concurrent enrollment.

NTLS 375**Genetics***3 Semester Hours*

A study of Mendelian and molecular genetics.

Prerequisite: BIOL 201.

NTLS 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.

NTLS 393**Environmental Science Internship***1-4 Semester Hours*

Work experience in the field of environmental science on a research, industry, or community-based project.

NTLS 395**Physical Therapy Internship***1-4 Semester Hours*

Work experience in physical therapy at a private facility, hospital, or athletic training facility.

NTLS 396**Occupational Therapy Internship***1-4 Semester Hours*

Work experience in occupational therapy at a private facility or hospital.

NTLS 398**Special Studies***1-4 Semester Hours***NTLS 399****Independent Studies***1-4 Semester Hours***NTLS 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.

NTLS 480**Kinesiology***3 Semester Hours*

Analysis of the physics, anatomy, physiology, and psychology of movement mechanics and behavior.

Prerequisites: NTLS 153 and 154.

NTLS 485**Biomechanics***3 Semester Hours*

Identification of muscle action as related to the body's mechanics. Understanding basic mechanical principles as they apply to human movement.

Prerequisite: NTLS 480.

NTLS 490**Natural Science Teaching***1-2 Semester Hours*

Guided teaching of undergraduate laboratories.

May be repeated for credit.

Requires consent of director.

NTLS 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.

NTLS 493**Environmental Science Internship***1-4 Semester Hours*

Work experience in the field of environmental science on a research, industry, or community based project.

NTLS 495
Physical Therapy Internship

1-4 Semester Hours

Work experience in physical therapy at a private facility, hospital, or athletic training facility.

NTLS 496
Occupational Therapy Internship

1-4 Semester Hours

Work experience in occupational therapy at a private facility or hospital.

NTLS 498
Special Studies

1-4 Semester Hours

NTLS 499
Independent Studies

1-4 Semester Hours

NTLS 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.

NTLS 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.

NTLS 513
Solid Wastes Engineering

2 Semester Hours

An application of current technology in the control, disposal, and recovery of value from solid wastes.

NTLS 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.

NTLS 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.

NTLS 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.

NTLS 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.

NTLS 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.

NTLS 598
Special Studies

1-4 Semester Hours

NTLS 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 Professors: Jeffrey A. Phillips,
 Gabriele Varieschi
 Adjunct Professors: A. Saleh-Jahromi, James McCarthy

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. Some physics majors choose electives that prepare them for medical school. Physics graduates can also select immediate employment in a number of areas, including high school teaching and various areas of industrial science and technology. Because of the flexibility of the physics major, with its numerous electives, it is possible to double major in physics and some other discipline. Examples of double degrees 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, 190, 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. With the right electives, the curriculum provides excellent preparation for graduate work in biomedical engineering.

Major Requirements:

Lower Division:

CHEM 110, 111; ELEC 232, 281; ENGR 100, 140, 200, 240, 241; MATH 131, 132, 234, 245; PHYS 101, 103, 190, 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

(125 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
PHYS	190	Workshop in Physics	1
—	—	University Core	3
			15

<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

(126 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 3
ENGL	110	College Writing I 3
MATH	131	Calculus I 4
PHYS	190	Workshop in Physics 1
—	—	University Core 3
		18

<i>Spring Semester</i>		S.H.
ENGR	140	Engineering Graphics & Design ... 3
MATH	132	Calculus II 4
PHYS	101	Intro to Mechanics 4
PHYS	103	Intro to Mechanics Lab 0
—	—	University Core 3
—	—	University Core 3
		17

Sophomore Year

<i>Fall Semester</i>		S.H.
ENGR	200	Statics 3
ENGR	240	Algorithms & Applications 3
ENGR	241	Algorithms & Applications Lab 0
MATH	234	Calculus III 4
PHYS	201	Intro Elec & Mag 4
PHYS	203	Intro Elec & Mag Lab 0
—	—	University Core 3
		17

<i>Spring Semester</i>		S.H.
ELEC	232	Circuits 3
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
		16

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
		14

<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
		14

* 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

PHYS 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 and PHYS 103.

PHYS 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.

PHYS 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 101 or 102 or placement into MATH 111 or higher.

PHYS 151
Physical Science

4 Semester Hours

An introduction to the physical sciences, including physics, chemistry, astronomy, and geology, with an emphasis on conceptual understanding.

Lecture, 3 hours; Laboratory, 2 hours.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

PHYS 190
Workshop in Physics

1 Semester Hour

Problem-solving skills. Fields of study and recent advances in physics. Career opportunities in physics.

Lecture, 1 hour.

PHYS 198
Special Studies

1-4 Semester Hours

PHYS 199
Independent Studies

1-4 Semester Hours

PHYS 201
Introduction to Electricity and Magnetism

4 Semester Hours

Electrostatics. Current, resistance, and D.C. circuits. Magnetism. Induced electromotive force. Electric and magnetic properties of matter. A.C. circuits.

Lecture, 3 hours.

Prerequisites: PHYS 101 and 103.

Corequisites: MATH 132 and PHYS 203.

PHYS 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 and 103.

Corequisites: MATH 132 and PHYS 204.

PHYS 203
Introduction to Electricity and Magnetism Laboratory
0 Semester Hours

Laboratory experiments pertaining to electricity and magnetism. Coulomb's Law, static electricity, electric field plotting, circuits, charge/mass ratio for electron.

Laboratory, 3 hours.

Corequisite: PHYS 201.

PHYS 204
Thermodynamics and Optics Laboratory
0 Semester Hours

Laboratory experiments pertaining to thermodynamics and optics. Thermal expansion of solids, specific heat, mechanical equivalent of heat, ray tracing, spherical mirrors, thin lenses, optical model of the human eye.

Laboratory, 3 hours.

Corequisite: PHYS 202.

PHYS 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 and 103.

Corequisite: MATH 245.

PHYS 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.

PHYS 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 and 255.

Corequisite: PHYS 256.

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.

PHYS 255
General Physics I Laboratory
0 Semester Hours

Laboratory experiments pertaining to Mechanics, Thermodynamics, and Fluid Mechanics.

Laboratory, 2 hours.

Corequisite: PHYS 253.

PHYS 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.

PHYS 271
Astronomy
3 Semester Hours

Understanding the universe. Topics include: history of astronomy, solar system, stars, galaxies, evolution of the universe.

Lecture, 3 hours.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

PHYS 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 101 or 102 or placement into MATH 111 or higher.

PHYS 278**Physics for Poets***3 Semester Hours*

Principles of physics with an emphasis on conceptual understanding. Physics as a human activity.

Lecture, 3 hours.

Prerequisite: MATH 101 or 102 or placement into MATH 111 or higher.

PHYS 298**Special Studies***1-4 Semester Hours***PHYS 299****Independent Studies***1-4 Semester Hours***PHYS 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 and 203.

Corequisite: MATH 355.

PHYS 302**Electromagnetic Waves***3 Semester Hours*

Faraday's law. Maxwell's equations. Plane waves in dielectrics and conductors. Sources of radiation, Lienard-Wiechert potentials. Scalar diffraction theory.

Lecture, 3 hours.

Prerequisite: PHYS 301.

PHYS 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 and 204.

Corequisite: MATH 355.

PHYS 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.

PHYS 371**Biophysics***3 Semester Hours*

Application of physical laws to biological structure and function: biomechanics, circulatory system, hearing and vision, radiation.

Lecture, 3 hours.

Prerequisite: PHYS 201 or 254.

PHYS 398**Special Studies***1-4 Semester Hours*

PHYS 399
Independent Studies*1-4 Semester Hours*

PHYS 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.

PHYS 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 and 441.

PHYS 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.

PHYS 441
Modern Optics*3 Semester Hours*

Review of electromagnetic theory. Applied geometrical optics. Fourier analysis, polarization, interference and diffraction, coherence theory, lasers, and holography.

Lecture, 3 hours; occasional laboratory work.

Corequisite: PHYS 302.

PHYS 451
Thermodynamics and Statistical Mechanics*3 Semester Hours*

Classical thermodynamics, applications to simple systems. Kinetic theory and the approach to equilibrium. Classical statistical mechanics. Quantum statistics.

Lecture, 3 hours.

Prerequisite: PHYS 322.

PHYS 461
Elementary Particles*3 Semester Hours*

Historical introduction. Symmetries and conservation laws. Feynman diagrams and rules. Quantum electrodynamics. The parton model. Quantum chromodynamics. Weak interactions and electroweak unification. Gauge theories and the Standard Model.

Lecture, 3 hours.

Prerequisite: PHYS 322.

PHYS 490
Physics Teaching*1-2 Semester Hours*

Guided teaching of introductory physics.

May be repeated for credit.

Requires consent of instructor.

PHYS 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.

PHYS 498
Special Studies*1-4 Semester Hours*

PHYS 499
Independent Studies*1-4 Semester Hours*

School of Education



School of Education

Faculty:

Dean: Albert P. Koppes, O. Carm.

Associate Dean: Shane P. Martin

Professors: Thomas Batsis, Paul De Sena, Victoria Graf,
Scott Kester, Albert P. Koppes, O. Carm., Brian Leung,
Mary McCullough, Candace Poindexter

Associate Professors: Magaly Lavadenz, Shane P. Martin,
Irene Oliver

Assistant Professors: Marta Baltodano, John Tyler Binfet,
Edmundo F. Litton, Michael Caruso, S.J.

Clinical Faculty: Kimberly Haag

Minor in Education

Students may declare a minor in Education and begin taking Education courses after completion of 30 semester hours (first semester Sophomore standing). In order to maximize the full potential of taking Education courses within the undergraduate program, students are strongly encouraged to declare the Education minor early in their career. The Education minor is not applicable to Liberal Studies majors (multiple subject credential). **Completion of an Education minor does not equal completion of the requirements for a teaching credential.** Students may complete the Education minor without completing all the requirements for a teaching credential.

Minor in Elementary Education (18 Semester Hours)

For non-Liberal Studies majors only.

18 semester hours in Education from the following courses:
3 semester hours in Educational Psychology: EDUC 401
9 semester hours in language, culture, and policy courses:
EDUC 400, 414, and 415
6 semester hours in Educational methods: EDUC 404, 405,
406, 409

Minor in Elementary Bilingual Education (18 Semester Hours)

For non-Liberal Studies majors only.

18 semester hours in Education from the following courses:
6 semester hours in Bilingual Education courses: EDUC 416
and 420

9 semester hours in language, culture, and policy courses:
EDUC 400, 414, and 415

3 semester hours from any of the following Education
courses: EDUC 401, 404, 405, 406, 409

Minor in Secondary Education (18 Semester Hours)

18 semester hours in Education from the following courses:
3 semester hours in Educational Psychology: EDUC 402

9 semester hours in language, culture, and policy courses:
EDUC 400, 414, and 415

6 semester hours in Educational methods: EDUC 428 and
one course from the following: 484, 485, 486, 487,
488

Minor in Secondary Bilingual Education (18 Semester Hours)

18 semester hours in Education from the following courses:
6 semester hours in Bilingual Educational courses: EDUC
416 and 420

9 semester hours in language, culture, and policy courses:
EDUC 400, 414, and 415

3 semester hours from any of the following Education
courses: EDUC 402, 428 or one course from the
following: 484, 485, 486, 487, 488

Minor in Special Education (18 Semester Hours)

The recommended course sequence is as follows:

Sophomore Year: EDUC 401 and 435 (or EDUC 402)

Junior Year: EDUC 440 (or PSYC 422) and EDUC 444

Senior Year: EDUC 443 and 452

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 and academic excellence, the education of the whole person, and the promotion of service and justice for all. We commit ourselves to serving public and private education by fostering excellence inspired by the Marymount and Jesuit traditions of Catholic education.

Goal Statement

The faculty, staff, and students of the School of Education strive to work collaboratively in a student-centered environment to be professionals who act to:

- *Value and respect all individuals*
We believe in the worth of each individual. We affirm the inherent dignity and value of each person as a child of God. Therefore, we believe that all individuals have the potential to be successful learners with unique characteristics and experiences that bring positive value and meaning to the learning experience.
- *Promote social justice*
We recognize the existence of social inequity, marginalization, and the different faces of oppression, and we commit ourselves to work actively for the establishment of a just and equitable society. While it is important to understand critically the structures, practices, and discourses that cause and perpetuate injustice, we also aim to nurture transformative structures, practices, and discourses that actively promote greater equity. This commitment challenges us to think with a global perspective, to embrace the notion of a preferential option for the poor, and to act with a conviction of equity.
- *Promote cultural responsiveness*
We recognize diversity as a strength, and we commit ourselves personally and professionally to serve culturally and linguistically diverse populations. These populations include those who represent cultural diversity broadly defined, including race, ethnicity, socioeconomic status, gender, religion, sexual orientation, ability, and age. Among other valuable theories and approaches, we utilize sociocultural and constructivist perspectives in teaching and learning. We value these and other perspectives that promote active participation in learning, meaningful and authentic instruction and assessment, and emphasize students' cultural and linguistic background experiences.
- *Integrate theory and practice*
We strive to unite theory and practice in a reciprocal relationship that mutually inform each other. We are a community of reflective practitioners, guided by critical inquiry and social responsibility. We actively engage in educational research, including faculty/student collaboration. We affirm the use of technology in education as authentic, meaningful, and accessible to all learners.
- *Develop moral, intellectual, responsible, and caring leaders*
We are committed to the preparation of educators who will be leaders in the field and who reflect high

standards of ethics and values. We seek to be, and to encourage others to be, women and men who have the intellectual skills to critically evaluate educational issues, have the moral conviction to respond as agents of change, and exhibit an ethic of care in the service of others.

- *Collaborate and share leadership across communities*
We believe in the value of working collaboratively with the districts, schools, parents, and students of the communities we serve, to successfully educate all learners. We recognize, support, and promote the gifts and talents of community members and encourage their participation in decision-making processes.

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 with whom they will work, and to the general public we serve. The faculty strives to enhance each candidate's ability to work effectively with students and families, and to be highly sought 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 the following: 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: Non-academic factors constitute 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, or other referrals.

Professional Dispositions

Professional and accreditation standards formed the basis for the development of the School of Education expectations. The professional dispositions the School of Education values and assesses for educators are listed on the six bullet points in our Mission and Goals statement. We strive to be, and to educate professionals to be, educators who manifest the dispositions to: value and respect all individuals; promote social justice; promote cultural responsiveness; integrate theory and practice; develop moral, intellectual, responsible, and caring leaders; and collaborate and share leadership across communities.

Therefore, the following are attitudes and behaviors that students in the School of Education are expected to demonstrate during their matriculation:

In Learning Situations

- willingly learns new knowledge
- active participation during class
- utilization of new information in practice

In Interactions with Peers, Professors, and Field Supervisors

- works cooperatively with others (e.g., small group work)
- displays in words and action acceptance of people from diverse backgrounds
- 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
- willingly engages in self-reflection
- demonstrates new skills after feedback

Computer Technology

The School of Education emphasizes and fully supports the use of computer technology throughout its programs. To aid in the integration of technology, the School of Education maintains a computer lab as well as two computer eClassrooms in University Hall. The lab is available for use by School of Education students and faculty only. Current hours are posted at the lab and at the School of Education website (<http://www.lmu.edu/education/>). The eClassrooms are intended for whole class instruction and are available for faculty to reserve. There are also several general use student computer labs in various locations on campus. Additionally, students should contact the Student Technology Help Desk, located in St. Robert's Hall Annex, for information on free e-mail and network access accounts.

Teacher Education Division

SPECIAL NOTE FOR MULTIPLE AND SINGLE SUBJECT CREDENTIALS:

The teaching credential programs for Multiple and Single Subjects are in the process of being revised based on the Senate Bill 2042 Standards of the Commission on Teacher Credentialing. The new program will begin in Fall 2003. Any student admitted to the existing Multiple or Single Subjects credential programs prior to Fall 2003 must complete all credential requirements under that program by December 31, 2005. For candidates starting their programs on or after Fall 2003, please consult the School of Education. Students who start their program in Summer 2003 will have to transition to the new program once it is approved by the California Commission on Teacher Credentialing.

Assembly Bill 1059 requires programs that prepare candidates for Multiple and Single Subject credentials the option of getting the "1059 authorization" instead of the CLAD Credential. Students who only want the "1059 authorization" must meet all credential requirements for CLAD except for the Language Experience. A "1059 authorization" allows candidates to teach English Language Learners in their own classrooms. CLAD authorizes candidates to teach English Language Learners in their own classrooms AND in specialized settings. The "1059 authorization" is pending approval by the California Commission on Teacher Credentialing.

Organization:

The Teacher Education Division offers multiple and single subject, and education specialist (mild/moderate) credentials. The CLAD and/or BCLAD (Spanish emphasis teaching credential in multiple and single subjects are also available.

Elementary Education:

The Multiple Subject Credential program is designed for graduate students who are seeking teaching positions in grades K-5, or any self-contained classrooms in grades 6-8.

Coordinator: Irene Oliver

Assistant Coordinator: Candace Poindexter

Bilingual Coordinator: Marta P. Baltodano

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 prerequisite courses with a grade "B" or better. These courses must be completed prior to review for admission by the TAAC Committee.
4. CBEST score report. The CBEST must be passed prior to review for admission by the TAAC.
5. 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.
6. Reading Instruction Competence Assessment (RICA). This examination must be passed after completion of EDUC 409 and before a credential is issued.
7. Evidence of at least 60 hours experience with culturally diverse youth groups at the 4-13 year age level.
8. Four recommendation forms (one of which must be from the student's major advisor).
9. Interview with a Coordinator (or Bilingual Coordinator if applicable) of the Elementary Education Program.
10. Fingerprint Clearance. An application for fingerprint clearance must be submitted after acceptance into the program. Fingerprint applications are available in the School of Education.
11. Results of Tuberculin Skin Test given within the last year.
12. After steps 1-11 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. It is the student's responsibility to ensure that all items have been received. The committee may accept, defer, or deny admission.

Application deadlines are as follows: July 15 for the Fall semester, November 15 for the Spring semester, and March 15 for the Summer Session.

Informational Meetings are held monthly at the University. Attendance at one of these meetings is required to obtain appropriate forms, instructions, and further information. Further assistance in filing paperwork may also be obtained from the School of Education office. Students should apply for acceptance before the end of 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 sophomores (30 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:

HIST 161, HIST 162, POLS 130, or POLS 135 (or equivalent)

(An appropriate exam also fulfills this requirement; please contact the History Department for further information).

- II. Language Requirement:

(a) There are several ways to meet this requirement. Candidates should consult with their program advisor to discuss options.

(b) BCLAD candidates must complete test 6 (Spanish Language) of the BCLAD exam (prior to student teaching). Candidates with a Spanish major are exempt from this requirement. Please see the Bilingual Coordinator.

- III. Basic Computer Skills for Educators

There are several ways to meet this requirement. Candidates should consult with their program advisor to discuss options.

- IV. Prerequisite Coursework

(a) EDUC 400 Sociocultural Analysis of Education

(b) EDUC 401 Educational Psychology for the Childhood Years

- (c) EDUC 414 Theories in Second Language Acquisition
- (d) EDUC 415 Politics of Education

Initial Assessment: Upon completion of initial coursework, each candidate will be assessed in terms of performance in classes, fieldwork, 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)

Additional Courses for Bilingual (BCLAD) Candidates Only:

- (e) EDUC 416 Methodology for Primary Language Instruction in Bilingual Setting
- (f) EDUC 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, fieldwork, 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 410 Elementary Directed Teaching (12 Semester Hours)

No other courses may be taken during the student teaching semester. An additional fee is required.

VII. Bachelor's Degree

VIII. Application through the School of Education to the Commission on Teacher Credentialing, State of California (additional fee required).

Professional Clear Multiple Subject Teaching Credential:

A student has five years after obtaining the preliminary credential in which to complete the requirements for the professional clear credential. Please see the Graduate Bulletin for details. Individuals may begin teaching upon receiving the preliminary credential.

Secondary Education:

The Single Subject Credential program is designed for students who are seeking teaching positions in grades 9-12, or in 6-8 school settings that require teachers to teach in settings that are departmentalized. The program leads towards the Preliminary Teaching Credential granted by the State of California Commission on Teacher Credentialing.

Coordinator: Edmundo F. Litton

Bilingual Coordinator: Marta P. Baltodano

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 prerequisite courses with a grade "B" or better. These courses must be completed prior to review for formal admission.
4. Assurance of progress towards the completion of an approved subject matter preparation program or passage of the Praxis/SSAT exams must be submitted prior to review for formal admission.
5. CBEST score report. The CBEST must be passed prior to review for formal admission.
6. 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.
7. Four recommendation forms (one of which must be from the student's major advisor).
8. Interview with a Coordinator (or Bilingual Coordinator if applicable) of Secondary Education Program.
9. Fingerprint Clearance. An application for fingerprint clearance must be submitted after acceptance into the program. Fingerprint applications are available in the School of Education.
10. Results of Tuberculin Skin Test given within the last year.

11. After steps 1-10 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 Meetings are held monthly at the University. Attendance at one of these meetings is required to obtain appropriate forms, instructions, and further information. Dates and further assistance in filing paperwork may be obtained from the School of Education Office. Students should apply for acceptance before the end of their sophomore year.

Application deadlines are as follows: July 15 for the Fall semester, November 15 for the Spring semester, and March 15 for the Summer Session.

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 sophomores (30 semester hours earned) or higher. All registration for education courses after the prerequisites must be approved by the School of Education.

Requirements for the Preliminary Single Subject (Secondary) CLAD or BCLAD Teaching Credential:

I. U.S. Constitution Requirement

- (a) HIST 161, 162; POLS 130 or 135 (or equivalent)

(An appropriate exam also fulfills this requirement; please contact the History Department for further information).

II. Language Requirement

- (a) There are several ways to meet this requirement. Candidates should consult with their program advisor to discuss options.
- (b) BCLAD candidates must complete test 6 (Spanish Language) of the BCLAD exam (prior to student teaching). Candidates with a Spanish major are exempt from this requirement. Please see the Bilingual Coordinator.

III. Basic Computer Skills for Educators

There are several ways to meet this requirement. Candidates should consult with their program advisor to discuss options.

IV. Prerequisite Coursework (3 Semester Hours each)

- (a) EDUC 400 Sociocultural Analysis of Education
- (b) EDUC 402 Educational Psychology for the Adolescent Years
- (c) 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: Upon completion of initial coursework, each candidate will be assessed in terms of performance in classes, fieldwork, 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 Politics of Education

Additional courses for Bilingual (BCLAD) Candidates only:

- (c) EDUC 416 Methodology for Primary Language Instruction in Bilingual Setting
- (d) EDUC 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, fieldwork, 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 412 Secondary Directed Teaching (12 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 advisor. All Incompletes must be removed prior to registration.

(Additional fee required).

VII. Bachelor's Degree

VIII Application through the School of Education to the Commission on Teacher Credentialing, State of California (additional fee required).

Professional Clear Single Subject Teaching Credential:

A student has five years after obtaining the preliminary credential in which to complete the requirements for the professional clear credential. Please see the Graduate Bulletin for details. Individuals may begin teaching upon receiving the preliminary credential.

Special Education:

SPECIAL NOTE FOR EDUCATION SPECIALIST CREDENTIAL: MILD/MODERATE DISABILITIES: The teaching credential programs for Multiple and Single Subjects are in the process of being revised based on the Senate Bill 2042 Standards of the Commission on Teacher Credentialing. The new program will begin in Fall 2003. Courses from these credential programs are currently part of the Education Specialist Credential program and may change due to this revision. For candidates starting their programs on or after Fall 2003, please consult the School of Education. Students who start their program in Summer 2003 will have to transition to the new program once it is approved by the California Commission on Teacher Credentialing.

Assembly Bill 1059 requires programs that prepare candidates for Multiple and Single Subject credentials the option of getting the "1059 authorization" instead of the CLAD Credential. Students who only want the "1059 authorization" must meet all credential requirements for CLAD except for the Language Experience. A "1059 authorization" allows candidates to teach English Language Learners in their own classrooms. CLAD authorizes candidates to teach English Language Learners in their own classrooms AND in specialized settings. The "1059 authorization" is pending approval by the California Commission on Teacher Credentialing.

Coordinator: Victoria Graf

The Special Education program allows students from a variety of academic backgrounds to pursue a minor in Special Education or the Education 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 disabilities, mental retardation, emotional disturbance, or other health impairments.

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 (grade point average of 2.8 or higher).
3. Three letters of recommendation that would indicate the applicant's 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.

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. Interview with Coordinator of Special Education Program.
8. Interview with one other faculty member in Special Education or the Advisor of Elementary or Secondary Education (CLAD only) or Bilingual Coordinator (BCLAD only).

Upon receipt of items #1-8, the applicant's file will be reviewed for admittance into the program. The following must then be completed and/or verified:

9. 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. Fingerprint applications are available in the School of Education. (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—Level I

(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 who 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:

There are several ways to meet this requirement. Candidates should consult with their program advisor to discuss options.

III. Basic Computer Skills for Educators

There are several ways to meet this requirement. Candidates should consult with their program advisor to discuss options.

IV. Prerequisite Coursework (Sophomore Year):

EDUC 435	What Is School?
EDUC 400	Sociocultural Analysis of Education
EDUC 401	Educational Psychology for the Childhood Years
EDUC 414	Theories of Second Language Acquisition

Initial Assessment: Upon completion of initial coursework, each candidate will be assessed in terms of performance in classes, fieldwork, 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, fieldwork, 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 456	Directed Teaching with Students with Mild/Moderate Disabilities (6 semester hours) All incompletes must be removed prior to registration.
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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.

Professional Level II Education Specialist Credential: Mild/Moderate Disabilities

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. Please see the Graduate Bulletin for details.

Combined Program Requirements: Education Specialist Credential: Mild/Moderate Disabilities with the Multiple Subject (Elementary) CLAD Emphasis

The Multiple Subject Crosscultural, Language, and Academic Development (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 Education Specialist Credential: Mild/Moderate Disabilities Specialist Credential, the following are required:

I. Professional Coursework:

EDUC 404	Science in the Elementary Curriculum (2 semester hours)
EDUC 406	Social Studies in the Elementary Curriculum (2 semester hours)

II. Student Teaching

EDUC 410	Elementary Directed Teaching (6 semester hours) All Incompletes must be removed prior to registration.
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Course Requirements for the Education Specialist Credential: Mild/Moderate Disabilities—Level I

(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:

There are several ways to meet this requirement. Candidates should consult with their program advisor to discuss options.

III. Basic Computer Skills for Educators

There are several ways to meet this requirement. Candidates should consult with their program advisor to discuss options.

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

Initial Assessment: Upon completion of initial coursework, each candidate will be assessed in terms of performance in classes, fieldwork, 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, fieldwork, 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 456	Directed Teaching/Internship with Culturally/Linguistically Diverse Students with Learning Handicaps (6 Semester Hours) All Incompletes must be removed prior to registration.
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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.

Professional Level II Education Specialist Credential: Mild/Moderate Disabilities:

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. Please see the Graduate Bulletin for details.

Additional Coursework for CLAD/BCLAD Certificate

Please see the Graduate Bulletin for details.

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 also required:

Professional Coursework

EDUC 412	Secondary Directed Teaching (6 Semester Hours) All Incompletes must be removed prior to registration.
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EDUC 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: Sophomore or higher.

EDUC 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: Sophomore or higher.

EDUC 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 and junior and senior high schools. Field work is required.

Prerequisite: Sophomore or higher.

EDUC 404
Science in the Elementary Curriculum*2 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.

EDUC 405
Mathematics in the Elementary Curriculum*2 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.

Prerequisite: Admission to program.

EDUC 406
Social Studies in the Elementary Curriculum*2 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.

EDUC 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: Admission to program.

EDUC 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.

Admission by consent of Coordinator.

EDUC 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.

EDUC 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.

Prerequisite: Sophomore or higher.

EDUC 415
Politics of Education
3 Semester Hours

An overview of the historical and contemporary organization of schools, including federal, state, and local education and language policies. The philosophical and decision-making structures within schools will be examined from various perspectives. Of particular emphasis will be the impact of these on linguistically and culturally diverse populations.

Prerequisite: EDUC 414.

EDUC 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.

EDUC 420
Chicano-Latino Culture: 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.

EDUC 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.

EDUC 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.

Prerequisite: Sophomore or higher.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

EDUC 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.

Prerequisite: Sophomore or higher.

EDUC 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.

Prerequisite: Sophomore or higher.

EDUC 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.

Prerequisite: Sophomore or higher.

EDUC 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 of individualized science labs.

Prerequisite: Sophomore or higher.

EDUC 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.

Prerequisite: Sophomore or higher.

EDUC 489
Leadership Seminar I
1 Semester Hour

This course is designed to develop student leaders' understanding of the basic concepts of personal and group leadership development. Participants will define an issue facing student leaders and identify a theoretical framework to address the issue. The class integrates readings, written reflection, in-class exercises, and a group project.

Prerequisite: Permission of instructor and concurrent leadership position in a student organization.

EDUC 490
Leadership Seminar II
1 Semester Hour

This course develops student leaders' understand of the basic concepts of personal and group leadership development. Participants will apply a theoretical framework to an issue facing student leaders, create an implementation plan, and develop an evaluation process. The class integrates readings, written reflection, in-class exercises, and a group project.

Prerequisite: Permission of instructor and concurrent leadership position in a student organization.

EDUC 491
Leadership Seminar III
1 Semester Hour

A capstone leadership experience for advanced student leaders, this class combines readings, in-class activities, and experiential involvement as a peer educator with research and creation of a comprehensive leadership portfolio.

Prerequisite: Permission of instructor, successful completion of EDUC 489 or 490, and concurrent leadership position in a student organization.

EDUC 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.

EDUC 498
Special Studies
1-3 Semester Hours

EDUC 499
Independent Studies
1-3 Semester Hours

Department of Aerospace Studies



Aerospace Studies

All University Colleges

Faculty:

Paul Graddon, Richard A. McIntosh, Michael Rue, Dave Witkowski

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 (AERO 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 \$200-450 per month, tax-free, during the final two years of AFROTC.

An accelerated two-year program is also available. It consists of five 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.

AERO 100
The Foundation of the United States Air Force 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.

AERO 101
The Foundation of the United States Air Force 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.

AERO 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).

AERO 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).

AERO 200
The Evolution of USAF Air and Space Power 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.

AERO 201
The Evolution of USAF Air and Space Power 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.

AERO 202
Laboratory III
0 Semester Hours

Students are exposed to leadership experience by directing others in basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities.

(Taken concurrently with AERO 200, mandatory for cadets, optional for other students).

AERO 203
Laboratory IV
0 Semester Hours

Students are exposed to leadership experience by directing others in basic military drill and ceremonies, participating in physical fitness activities, and participating in challenging group activities.

(Taken concurrently with AERO 201, mandatory for cadets, optional for other students).

AERO 300
Air Force Leadership Studies I
3 Semester Hours

A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and 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.

AERO 301
Air Force Leadership Studies II
3 Semester Hours

A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and 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.

AERO 302
Laboratory V
0 Semester Hours

Students experience leadership by supervising basic military drill and ceremonies, and planning and participating in physical fitness activities and challenging group activities.

(Taken concurrently with AERO 301, mandatory for cadets, optional for other students).

AERO 303
Laboratory VI
0 Semester Hours

Students experience leadership by supervising basic military drill and ceremonies, and planning and participating in physical fitness activities and challenging group activities.

(Taken concurrently with AERO 301, mandatory for cadets, optional for other students).

AERO 400
National Security Affairs Preparation for Active Duty 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.

AERO 401
National Security Affairs Preparation for Active Duty 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.

AERO 402
Laboratory VII
0 Semester Hours

Students assume full responsibility for planning and running the leadership laboratory to include control of budgets and equipment, directing military drill and ceremonies, planning and participating in physical fitness activities, organizing trips and formal dinners, and designing and executing challenging group activities.

(Taken concurrently with AERO 400, mandatory for cadets, optional for other students).

AERO 403
Laboratory VIII
0 Semester Hours

Students assume full responsibility for planning and running the leadership laboratory to include control of budgets and equipment, directing military drill and ceremonies, planning and participating in physical fitness activities, organizing trips and formal dinners, and designing and executing challenging group activities.

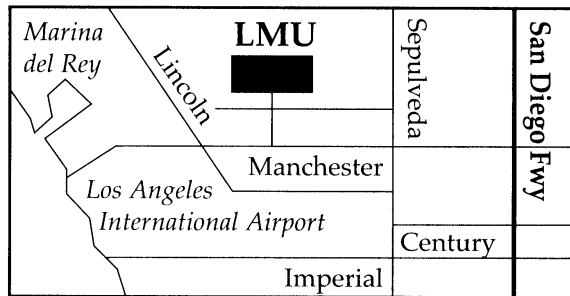
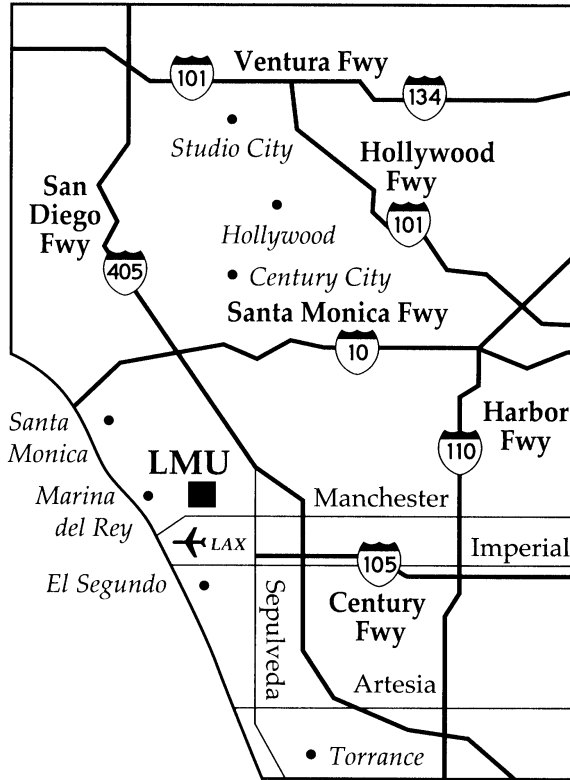
(Taken concurrently with AERO 401, mandatory for cadets, optional for other students).

Map of the Campus

(see inside back cover)



General Location



Location Detail

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*

Kathleen Hannon Aikenhead

Paul Bernadicou, S.J.

Peter B. Caloyeras

Larry R. Carter

Alex Chaves, Sr.

John F. Cosgrove

Bruce C. Edwards

Robert Forgnone, Esq.

Hon. John A.G. Gavin

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

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