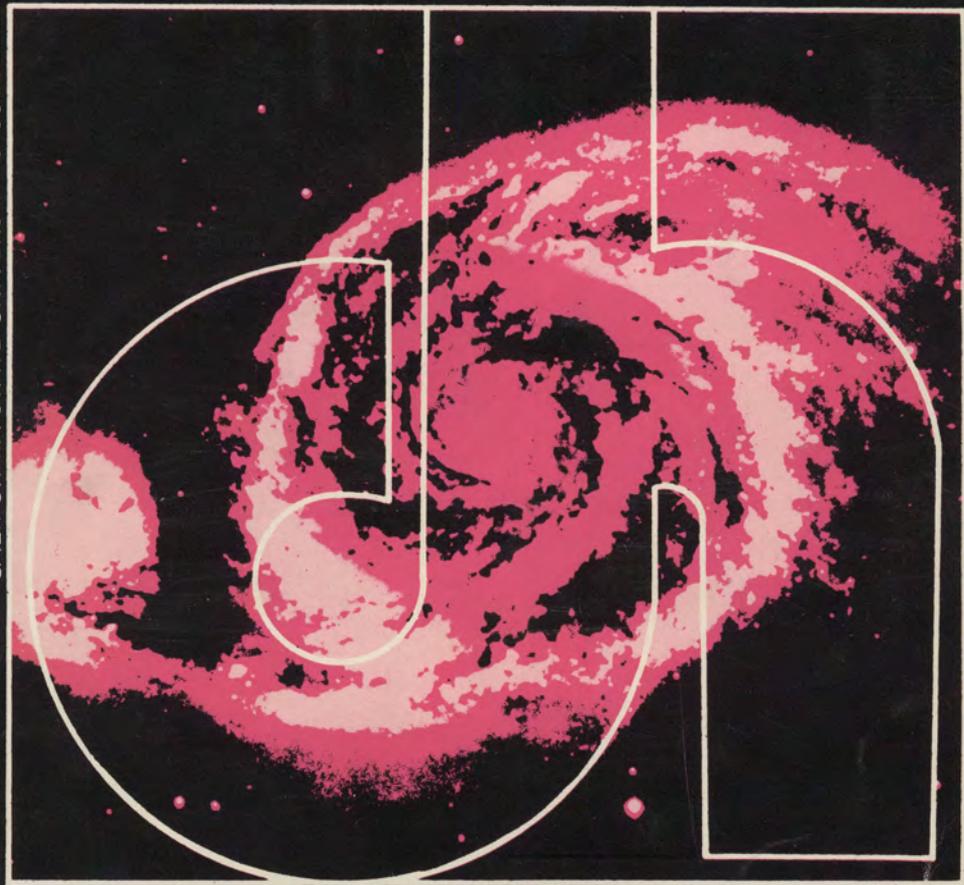


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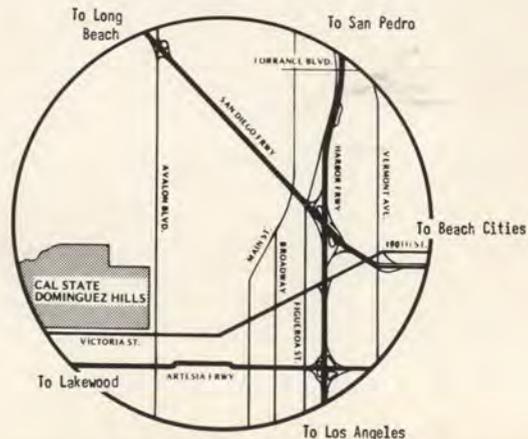


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3. Bookstore and Small College
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12. Humanities and Fine Arts
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ACADEMIC CALENDAR 1979-80

FALL QUARTER 1979

Sept. 14	Fall General Faculty Meeting and School Meetings
Sept. 15	New student orientation and advisement by faculty
Sept. 17-18	Academic advisement by faculty for all students
Sept. 17-18	Registration in person for all students
Sept. 20	<i>INSTRUCTION BEGINS</i> : first day of late registration
Oct. 4	Last day for refund of student services fee
Oct. 9	Last day to begin late registration
Oct. 10	Last day to change program without a permanent record of enrollment
Oct. 17	Last day for refund of non-resident tuition fee
Nov. 12	Academic Holiday—Veteran's Day
Nov. 22-23	Academic Holiday—Thanksgiving
Dec. 1	Last day of scheduled classes
Dec. 3-6, 8	Final Examinations
Dec. 10	<i>QUARTER ENDS (GRADES DUE)</i>
Dec. 11-Jan. 1	Academic Holiday—Christmas Break

1979

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WINTER QUARTER 1980

Jan. 2-3	Academic advisement by faculty for all students
Jan. 2-3	Registration in person for all students
Jan. 5	<i>INSTRUCTION BEGINS</i>
Jan. 7	First day of late registration
Jan. 21	Last day for refund of student services fee
Jan. 23	Last day to begin late registration
Jan. 25	Last day to change program without a permanent record of enrollment
Feb. 1	Last day for refund of non-resident tuition fee
Feb. 18	Academic Holiday—Washington's Birthday

1980

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March 14	Last day of scheduled classes
March 15, 17-20	Final Examinations
March 21	<i>QUARTER ENDS (GRADES DUE)</i>

SPRING QUARTER 1980

March 27-28	Academic advisement by faculty for all students
March 27-28	Registration in person for all students
March 29	<i>INSTRUCTION BEGINS</i>
March 31	First day of late registration
April 14	Last day for refund of student services fee
April 15	Last day to begin late registration
April 18	Last day to change program without a permanent record of enrollment
April 25	Last day for refund of non-resident tuition fee
May 26	Academic Holiday—Memorial Day
June 6	Last day of scheduled classes
June 7, 9-12	Final Examinations
June 14	<i>QUARTER ENDS (GRADES DUE)</i>
June 14	COMMENCEMENT

Main Session

June 17-18	Registration in person
June 23	<i>INSTRUCTION BEGINS</i>
July 4	Academic Holiday—Independence Day
July 30-Aug. 1	Final Examinations
Aug. 1	END OF SESSION

Post Session

Aug. 4	Registration in person
Aug. 5	<i>INSTRUCTION BEGINS</i>
Aug. 27-29	Final Examination
Aug. 29	<i>END OF SESSION</i>

Classes

Holidays

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THE CALIFORNIA STATE UNIVERSITY AND COLLEGES



THE CALIFORNIA STATE UNIVERSITY AND COLLEGES

The individual California State Colleges were brought together as a system by the Donahoe Higher Education Act of 1960. In 1972 the system became The California State University and Colleges. Today, 16 of the 19 campuses have the title "University."

The oldest campus—San Jose State University—was founded in 1857 and became the first institution of public higher education in California. The newest campus—California State College, Bakersfield—began instruction in 1970.

Responsibility for The California State University and Colleges is vested in the Board of Trustees, whose members are appointed by the Governor. The Trustees appoint the Chancellor, who is the chief executive officer of the system, and the Presidents, who are the chief executive officers on the respective campuses.

The Trustees, the Chancellor and the Presidents develop systemwide policy, with actual implementation at the campus level taking place through broadly based consultative procedures. The Academic Senate of The California State University and Colleges, made up of elected representatives of the faculty from each campus, recommends academic policy to the Board of Trustees through the Chancellor.

Academic excellence has been achieved by The California State University and Colleges through a distinguished faculty, whose primary responsibility is superior teaching. While each campus in the system has its own unique geographic and curricular character, all campuses, as multipurpose institutions, offer undergraduate and graduate instruction for professional and occupational goals as well as broad liberal education. All of the campuses require for graduation a basic program of "General Education-Breadth Requirements" regardless of the type of bachelor's degree or major field selected by the student. A limited number of doctoral degrees are offered jointly with the University of California and private universities in California.

Presently, under the system's "New Approaches to Higher Education," the campuses are implementing a wide variety of innovative programs to meet the changing needs of students and society. Among pilot programs under way are instructional television projects, self-paced learning plans, minicourses, and credit-by-examination alternatives. *The Consortium of The California State University and Colleges* fosters and sponsors local, regional, and statewide external degree and certificate programs to meet the needs of individuals who find it difficult or impossible to attend classes on a campus.

Enrollments in fall 1978 totaled approximately 300,000 students, who were taught by a faculty of 17,500. Last year the system awarded over 53 percent of the bachelor's degrees and 33 percent of the master's degrees granted in California. Over 700,000 persons have been graduated from the 19 campuses since 1960.

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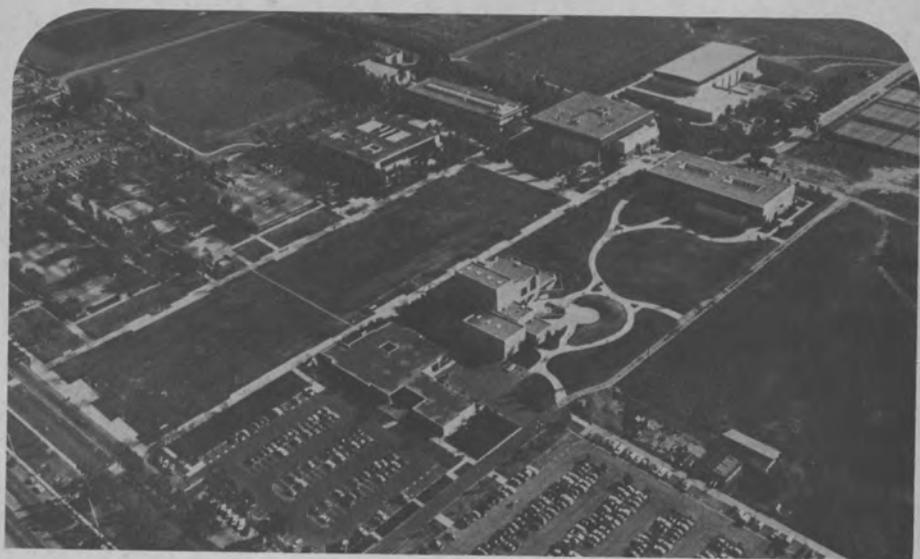
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Chairperson, Department of History	John Auld
Coordinator, Human Services Program.....	Antonia M. Bercovici
Coordinator, Labor Studies Program	John C. Quicker
Coordinator, Marriage, Family, and Child Counseling Program.....	Hal Charnofsky
Chairperson, Department of Political Science	Lyman Chaffee
Chairperson, Department of Psychology.....	Fred Shima
Coordinator, Public Paralegal Studies Program	William Blischke
Chairperson, Department of Sociology	F. Donald Laws
Chairperson, Urban Studies Committee	Gregory L. Smith
Dean, University College.....	Suzanne Gemmill
Director, Small College	Kenneth B. Gash
Evening Administrator	Gordon L. Burgett
Director of Admissions and Records.....	Kenneth W. Finlay
Director of Admissions	
Director of Records and Registration	Larry D. McClelland
Coordinator of Academic Advisement	Garry D. Hart
Coordinator of Relations with Schools	
Director of Health Programs and Psychological Counseling	Janie MacHarg
Director of Health Services.....	Satwant Sidhu
Coordinator of Health Science	Ira Schoenwald
Director of Community Mental Health Programs	Hymen C. Goldman
Coordinator of Liberal Studies	Deanne S. Hanson
Director of Public Safety	Gerald Lipson
Director of Skills and Assessment	Judson Taylor
Director of Special Programs	James Clayton
Coordinator of Veterans Affairs	Randolph Eason
Coordinator of Handicapped Services.....	Vickie Mulqueen-Akers
Director of Student Aid	Robert N. Jones
Director of Student Development	Larry E. Gray
Dean, Educational Resources	Phillip Wesley
Associate Dean, Library.....	Gail F. Cook
Head, Acquisitions Services	Jeffrey E. Broude
Head, Bibliographic Services	Joanna Dunklee
Head, Circulation Services	Jeanenne L. Rodolff
Head, Collection Development	E. Kenneth Bennett
Head, Reference Services	Elizabeth A. Settle
Director, Instructional Media	James A. Durham
Director, Computer Center	

Dean, Community Programs and	
Extended Education	Raul Aceves
Assistant Dean	Curtis L. Groninga
Director, EPIC	Carolyn L. Harris
Director, Experiential Education Program	Jack T. Belasco
Director, Center for Training and Development	Curtis L. Groninga
Director, Medical Technology External Degree Program	James L. Welch
Director, Humanities External Degree Program	Lyle E. Smith
Director, External Degree Programs in Business	Jesse U. Overall
Dean, Program and Resource Administration	R. H. Ringis
Assistant Dean	
Associate Administrative Analyst	Kenneth M. Schwartz
Dean, Faculty and Staff Affairs	James G. Harris
Campus Judicial Coordinator	Gary B. Colboth
Director of Staff Personnel	Gill Robinson
Affirmative Action Coordinator	Josephine Fay
Director, Business Affairs.....	Lino R. Barro
Financial Manager	
Chief Accountant	Marie Stanton
Procurement and Support Services Officer.....	E. Vernon Johnson
Manager of Bookstore	Eldon Morgan
Chief of Plant Operations	Woodrow W. Bush
Executive Dean, Public Affairs and Development	Robert G. Jones
Assistant Director	Karen Malkoff



THE UNIVERSITY

BACKGROUND

The California State University Dominguez Hills is located on the historic Rancho San Pedro, the oldest Spanish land grant in the Los Angeles area. Its 346-acre campus was in the continuous possession of the Dominguez family through seven generations, from its concession to Juan José Dominguez in 1784 to its acquisition by the University in 1967.

The Legislature of the State of California, at the First Extraordinary Session in 1960, authorized the establishment of this University as part of the California State College system to meet higher education needs in southwest Los Angeles. The first members of the planning staff were appointed in 1962. Freshman and junior students enrolled in the fall of 1965 for the first classes offered by the University.

To guide the development of this new institution, the planning staff, during the pre-opening years, undertook a series of studies designed to provide information on student needs, community needs, and trends in higher education. Since opening, the University has been closely attentive to developments in higher education and to the educational needs of its students. Academic studies and reevaluation by the University community have made it possible to keep the offerings of the campus current.

As a comprehensive, multiple purpose institution of higher education, the function of California State University Dominguez Hills is to provide educational programs and experiences designed to meet the needs of the individual student and the larger society. Operating within the general framework mandated by the Board of Trustees and the State Legislature, the University has devised programs in most of the liberal arts and sciences and in selected applied or professional fields; graduate programs in several fields; external degrees and extension programs; and other educational opportunities for those who are not degree or credential candidates. The hope of the University is that through the experiences afforded each student, he or she will have gained the knowledge, the skill, and the understanding which will contribute toward (1) a fuller development of his or her potential, (2) the living of a richer and more rewarding life, (3) the ability to function effectively in the world of work, and (4) a sense of the complexity, diversity, and wonder of human aspirations and achievements, both in the past and in the present rapidly changing post-industrial world.

ACCREDITATION

The California State University Dominguez Hills is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges; standard procedures of credit transfer between accredited institutions are therefore in effect. Accreditation of special programs has been granted by the National Council for Accreditation of Teacher Education, the National Association of Schools of Art, the American Chemical Society, and the National Association of Schools of Music.

DEGREE, CREDENTIAL, AND CERTIFICATE PROGRAMS

The University offers the Bachelor of Arts and the Bachelor of Science degrees in the majors listed below:

Afro-American Studies (B.A.)	Liberal Studies (B.A.)
Anthropology (B.A.)	Mathematics (B.A.)
Art (B.A.)	Medical Technology (B.A.)
Behavioral Sciences (B.A.)	Mexican American Studies (B.A.)
Biological Science (B.A.)	Music (B.A.)
Business Administration (B.S.)	Philosophy (B.A.)
Chemistry (B.A.) (B.S.)	Physical Education (B.A.)
Communications (B.A.)	Physics (B.A.)
Computer Science (B.S.)	Political Science (B.S.)
Economics (B.A.)	Psychology (B.A.)
English (B.A.)	Public Administration (B.S.)
French (B.A.)	Recreation (B.A.)
Geography (B.A.)	Small College (B.A.)
Health Science (B.S.)	Sociology (B.A.)
History (B.A.)	Spanish (B.A.)
Human Services (B.A.)	Special Major (B.A./B.S.)
Industrial Management (B.S.)	Theatre Arts (B.A.)
Labor Studies (B.A.)	

The University offers the Master of Arts, the Master of Business Administration, the Master of Public Administration, and the Master of Science in the majors listed below:

Behavioral Science (M.A.)
Biological Science (M.A.)
Business Administration (M.B.A.)
Education (M.A.)
English (M.A.)
Environmental Studies (M.S.)
Marriage, Family, and Child Counseling (M.S.)
Psychology (M.A.)
Public Administration (M.P.A.)
Special Education (M.A.)
Special Major (M.A./M.S.)

The University offers **credentialing programs** in the following fields:

Designated Subject Credential (Adult Education)
Multiple subject credential
Multiple subject credential—bilingual emphasis (Spanish)
Single subject credential
Specialist—Bilingual/Cross-Cultural
Specialist—Early Childhood Education
Specialist—Reading
Specialist—Special Education
Services—Administrative
Services—Pupil Personnel

The University offers **certificate programs** in the following fields:

- Applied Linguistics
- Broadcasting
- Environmental Geography
- Geographic Techniques
- Portal Program in Administration (External Degree)
- Public Paralegal Studies
- Real Estate
- Social Impact Assessment (undergraduate/graduate)
- Social Research (undergraduate/graduate)
- Spanish for Public Service
- Urban, Political, and Economic Geography

COMMUNITY PROGRAMS AND EXTENDED EDUCATION

EXTERNAL DEGREE PROGRAMS

An external degree program is a self-support program leading to a regularly established degree offered at a location other than the college campus, with the location, in part, determined by the needs of the students within the program.

California State University Dominguez Hills, with the approval of The California State University and Colleges Commission on Extended Education, is offering a Master of Science in Administration, a Master of Science in Business Administration, a Portal Program in Administration, a Bachelor of Arts in Humanities, a Master of Arts in Humanities, and a Master of Science in Medical Technology.

Further information about external degree programs, including admission requirements and course descriptions, is available in each of the respective offices.

SUMMER SESSIONS

Following the close of the spring quarter, the University conducts a multi-session summer program. A comprehensive schedule of classes from the regular University catalog is offered, as well as special courses designed for presentation during the Summer Sessions only. Classes are offered both days and evenings as well as condensed into shorter, more intensive time frames such as one or two weeks. Students may complete their degree requirements during the summer and graduate at the end of the Summer Sessions.

Students registering are not required to file an Application for Admission or transcripts. However, they must be high school graduates and are expected to have satisfied prerequisites for the courses in which they enroll. Admission to the Summer Sessions does not constitute admission to a regular quarter.

Persons desiring further information or placement on the Summer Sessions mailing list for catalogs and course announcements should contact the Summer Sessions Office.

EXTENDED PROGRAMS

The University offers special programs at various off-campus locations. These offerings are either regular University courses or special courses/programs designed to meet the particular needs of the community. Students registering are not required to file an Application for Admission or transcripts. Information is available in the Office of the Director of Extended Programs.

CENTER FOR TRAINING AND DEVELOPMENT

The Center for Training and Development at California State University Dominguez Hills, coordinates the University's response to a wide variety of community education needs through the development of professional/career in-service training programs. The Center also offers workshops, symposia, conferences, and specialized training and consulting services. Additional information may be obtained by contacting the Director of the Center for Training and Development.

LABEL

The LABEL Program (Los Angeles Basin Education Liaison), which is based at California State University Dominguez Hills, provides for the coordination and interchange of program information and services of the Continuing Education offices of the Campuses of the California State University and Colleges system which are located in the greater Los Angeles basin. Further information regarding LABEL activities may be obtained by contacting the LABEL Director.

SOUTHWEST REGIONAL TRAINING CENTER

The Southwest Regional Training Center at California State University Dominguez Hills is a joint powers agency developed and sponsored by local government and public agencies in Los Angeles County. The Center presents low-cost job-related training programs and seminars of specific and generalized design for public employees in the Los Angeles area. Training needs assessment services are also available. Further information may be obtained by contacting the Director of the Southwest Regional Training Center.

INTERNATIONAL PROGRAMS

The California State University and Colleges (CSUC) offers opportunities for students to pursue their studies at a distinguished foreign university or special program center. Under the auspices of the CSUC Office of International Programs, participants in this program are concurrently enrolled at their home campus, where they earn academic credit and maintain campus residency, and at an overseas institution of higher education.

Cooperating universities abroad include the University of Provence, France; the Universities of Heidelberg and Tübingen, Germany; the Hebrew University of Jerusalem in Israel; the University of Florence, Italy; the Universidad Ibero-Americana, Mexico; the Universidad Católica, Peru; the Universities of Granada and Madrid, Spain; the University of Uppsala, Sweden; Lincoln University Col-

lege of Agriculture and Massey University, New Zealand; and Waseda University of Japan. In the United Kingdom, cooperating universities (which may vary from year to year) include, among others, Aberdeen, Edinburgh, Bangor, Heriot-Watt, Leicester, London, Manchester, Oxford, Liverpool, Lampeter, Sheffield, and Strathclyde. In addition, CSUC students may attend a special program in Taiwan, Republic of China, or an architecture program in Copenhagen, Denmark.

Eligibility for application is limited to those students who will have upper division or graduate standing by September 1980 at a CSUC campus; who have demonstrated the ability to adapt to a new cultural environment; and, who, in the cases of France, Germany, Mexico, Peru, and Spain, will have completed at least two years of college-level study in the language of instruction at the host university, or possess equivalent knowledge of the language. At the time of application, students must have a minimum cumulative grade point average (GPA) for all college-level work of 2.75, except for the programs in Israel, New Zealand, Peru, and the United Kingdom where a minimum GPA of 3.0 is required. Selection is competitive and is based on home campus recommendations and the applicant's academic record. Final selection decisions are made by a statewide committee of faculty members, except for the programs in New Zealand and the United Kingdom where final selections are made by the respective host universities.

The International Programs supports all tuition and other academic and administrative costs overseas for each of its participants to the same extent that such funds would be expended to support similar costs in California. Students assume costs for pre-departure orientation, insurance, transportation, housing, and meals. Home campus registration and other fees and personal incidental expenses or vacation travel costs while abroad are also paid by the student. Non-resident students are subject to non-resident fees. The Office of International Programs collects and administers funds for those items which the program must arrange or can negotiate more effectively, such as home campus fees, orientation costs, insurance, outbound transportation, and, in some centers, housing. International Programs participants may apply for any financial aid available at their home campuses, except for campus work-study.

Applications for the 1980-81 academic year must be submitted before February 9, 1980, except for New Zealand and the United Kingdom. Applications for the New Zealand program must be submitted by May 11, 1980, for participation during calendar year 1981. (The academic year in New Zealand begins in February and ends in October.) United Kingdom applications must be submitted by January 5, 1980.

Detailed information and application materials may be obtained from Mr. Stephen Koletty in the Office of Student Development (SCC-128); further information may also be obtained by writing to The California State University and Colleges International Programs, 400 Golden Shore, Suite 300, Long Beach, California 90802.

PRE-PROFESSIONAL PROGRAMS

Medicine, Osteopathy, Dentistry, Veterinary Medicine, Pharmacy, Optometry, Podiatry

Students planning to enter the professions of medicine, osteopathy, dentistry, veterinary medicine, pharmacy, optometry, or podiatry are advised to work toward the baccalaureate degree in one of the major fields offered by the School of Natural Sciences and Mathematics. Most courses required by professional schools such as full-year introductory courses in biology, chemistry, and physics are included in the requirements for the bachelor's degree; any additional courses may be taken as part of an appropriate minor or as electives. While some schools may accept qualified students after the end of the third year, many of the students admitted to professional schools have obtained the B.A. or B.S. degree. Students should consult an advisor through the office of the School of NSM to set up a program to meet the college's degree requirements and to fulfill the requirements for entrance to a professional school. Since entrance requirements into professional schools vary from school to school, the student should find out the requirements for his/her prospective professional school early.

Post-Baccalaureate Pre-Professional Program

Students with a bachelor's degree in other than pre-medical and pre-dental areas may fulfill the minimum requirements for entrance to medical schools or graduate programs in allied health fields with the two-year program given below:

First Year

CHE 110 (5)	CHE 112 (5)	CHE 114 (5)
MDT 101 (3)*	BIO 110 (4)	BIO 112 (4)
MAT 110 (4)	MAT 112 (4)	MAT 114 (4)

Second Year

BIO 114 (4)	BIO 220 (4)	BIO 240 (4)
PHY 120 (4)†	PHY 122 (4)	PHY 124 (4)
CHE 210 (4)	CHE 212 (3)	CHE 214 (3)
CHE 211 (1)	CHE 213 (2)	CHE 215 (2)

Of special note to students planning to enter medical or dental schools:

Requirements for admission to medical and dental schools vary with each school. However, all medical and dental schools require a minimum of one year lecture and laboratory courses in general chemistry, organic chemistry, physics, and general biology (including vertebrate zoology). Some medical schools require two years of biology and a course in quantitative chemistry. Many medical schools recommend additional courses in embryology and genetics; and some also recommend courses in physical chemistry and mathematics through integral calculus. A student may meet the requirements for admission to medical or dental schools by one of three plans: a) completing the major in biological science with a minor in bio-organic chemistry; b) completing the B.A. major in

* Elective

† Or PHY 110-112-114

chemistry with a minor in biological science; or c) majoring in any department but fulfilling concurrently the specific course requirements of the prospective medical or dental school. (See Post-Baccalaureate Pre-professional Program.) The student should also endeavor to obtain a broad liberal arts education by taking additional elective units in Humanities and Fine Arts, and Social and Behavioral Sciences. Students are advised to consult pre-medical professional advisors in the science departments for meeting the admissions requirements to various schools or consult such additional sources as *Medical School Admission Requirements*, a publication of the Association of American Medical Colleges, and *Admission Requirements of American Dental Schools*, published by the American Association of Dental Schools.

Medical Technology

Students pursuing careers in the medical technology professions can complete the baccalaureate degree (BSMT) and satisfy the academic and training requirements for the licensure examination as a Clinical Laboratory Technologist for the state of California through one of the following:

1. Completion of all general education, lower division, and upper division requirements including the Clinical Year as indicated in the Medical Technology section (see page 247), *or*
2. Completion of all general education, lower division, and upper division requirements followed by one year of training in an approved fifth-year clinical facility. Academic credit earned in the fifth year may be applied to the Master of Science Degree in Medical Technology (MSMT). See the graduate section under Medical Technology for further details, page 443.

Law

Applicants for admission to most law schools are expected to have a B.A. or B.S. degree and to have taken the Law School Admission Test. There is no single "pre-law" major since the successful study of law is more often related to the ability to grasp and solve difficult intellectual problems and to employ disciplined work habits than it is to any specific field of study.

Several broad objectives of pre-legal education are set forth by the Association of American Law Schools. These include the oral and written command of language; an understanding and appreciation of social, political and economic values, institutions, problems and frames of reference; and an ability for creative, innovative, critical, and analytical thinking.

For these reasons, every pre-law student should carefully choose, with the aid of appropriate advisors, courses which sharpen the skills and sensitivities previously listed. Since no one major is mandatory, the student should select one which emphasizes the areas suggested above (business or public administration, economics, English, history, philosophy, political science, and sociology, to name a few). Also, the selections will be based upon the personal interests and goals of the student. For example, a student interested in a career in a corporation's legal department might select business administration. A student interested in practicing criminal or poverty law after law school might select sociology or psychology. Quite often pre-law student select political science or public administration as their major or minor.

For additional information, a student should see the bulletins or catalogs of various law schools or the official *Pre-Law Handbook*, current edition, prepared by the Law School Admission Test Council and the Association of American Law Schools. This handbook may be obtained at most college bookstores or ordered from Educational Testing Services, Princeton, N.J. 08540.

Also, students can get information from the University Pre-Law Advisor, Dr. Gary Colboth, who is an attorney.

The University also offers a paralegal program. See Public Paralegal Studies, page 321 of this Catalog.

EDUCATIONAL RESOURCES

The division of Educational Resources administers the University Library, Instructional Media Services, and the Computer Center. The Library and Instructional Media Services are housed in the Leo F. Cain Educational Resources Center (ERC) building. The Computer Center is in the Small College area, and provides on-line terminal access points at various campus locations.

THE UNIVERSITY LIBRARY

The University Library has a book collection of more than 217,000 volumes, over 218,000 microforms, and subscribes to nearly 2,000 periodicals. The collection is increasing at the rate of about 15,000 volumes a year.

To encourage a wider acquaintance with recorded knowledge, the Library has an open-shelf arrangement which facilitates direct access to the collection and encourages browsing or study in any field of interest. Facilities and services include microform reading and reproduction, photocopying, typewriters, and interlibrary loan. Expert reference service is available to the entire campus community. Library tours and regular lectures on term-paper writing are also offered, as well as a 2-unit course (LIB 150) on library skills and strategies.

INSTRUCTIONAL MEDIA SERVICES

Instructional Media Services (IMS) provides delivery of instructional media materials and equipment to classrooms, and individual use through the Instructional Media Center. Included among the wide variety of materials housed in the Center are over 1,300 films, 3,000 phonograph records, and nearly 200 slide sets. In addition, access to more resources are provided through rental libraries and free loan services.

IMS also provides facilities and expertise for the design and production of instructional media tailored to the requirements of students and instructors on campus.

COMPUTER CENTER

The University Computer Center provides centralized technical assistance and data processing services for instructional support, research, and administration.

Services supporting instructional programs include technical advice and computer processing for students enrolled in the Computer Science and Information Systems fields, as well as other programs, and for faculty in the development and implementation of improved teaching methods. Assistance on the development of administrative procedures and data processing for all areas of the University is also provided.

Computer processing services are available from the campus Computer Center and from the State University Data Center located at the Office of the Chancellor in Los Angeles. High speed teleprocessing effects data communication between the college and the Data Center. The dual computing resource provides powerful access and optimal efficiency for students and administrators.

The on-campus system consists of Honeywell and PDP 11 computers. The Honeywell 2020 computer has 41,000 characters of internal memory, 18 million characters of disk storage, a 600-line per minute printer, a 300-card per minute reader/punch, and three magnetic tape drives. The Honeywell is used for batch instructional and administrative processing.

The PDP 11/45 timesharing computer is for instructional use by students. The computer has twelve ports, 80,000 characters of internal memory, 44 million characters of disk storage, a 300-line per minute printer, and one magnetic tape drive. Nineteen terminals are available throughout the campus for interactive use of the PDP system. Four ports are also available for access to the CSUC system's central timesharing CYBER 174 computer.

EVENING PROGRAMS

California State University Dominguez Hills offers a variety of programs for the person wishing to pursue an undergraduate or graduate degree or a credential through evening classes.

Undergraduate Programs

Students attending classes in the evening can earn degrees in 19 different majors. While practically all of the degree programs schedule courses after 5 p.m., the offerings in these areas are broad enough to permit a student to meet all degree requirements through evening enrollment within a two-year period, with the exception of the Design option in Art, which is presently scheduled over a three-year cycle. These programs include:

Afro-American Studies	Health Science
Anthropology	History
Art	Human Services
(Studio Art & Design)	Industrial Management
Behavioral Sciences	Liberal Studies
Business Administration	Philosophy
Communications	Political Science
Economics	Psychology
English	Public Administration
Geography	Sociology
(Environmental Concentration)	

In addition, most minors are available to students attending classes in the evenings. More information can be obtained from the respective department or school office.

Graduate and Credential Programs

In all but one graduate degree program every required course is offered during the evening over a two-year period,* since these programs have traditionally attracted students who are working, already established in a profession, and seeking further education. The evening master's and credentialist's programs are:

Graduate Degrees

Behavioral Science (M.A.)
 Biological Science (M.A.)
 Business Administration (M.B.A.)
 Education (M.A.)
 Curriculum
 Early Childhood Education
 Pupil Personnel
 English (M.A.)
 Environmental Studies (M.S.)
 Marriage, Family, and Child Counseling
 (M.S.)
 Psychology (M.A.)
 Public Administration (M.P.A.)
 Special Education (M.A.)
 Learning Handicapped
 Severely Handicapped
 Technology and Human Affairs

Credential Programs

Multiple Subject Credential
 Single Subject Credential
 Specialist Credentials
 Bilingual/Cross-Cultural
 Early Childhood Education
 Reading
 Special Education
 Services Credentials
 Administrative
 Pupil Personnel

Specific degree requirements and a more detailed explanation of the degree programs can be obtained from the individual department or school office.

* Humanities is not offered in the evening.

STUDENT LIFE

UNIVERSITY COLLEGE

University College encompasses those campuswide programs and activities which are directly or indirectly educational in nature. Degree-granting programs include Small College, Liberal Studies, and Health Science. Offices which provide services to students include Academic Advising, Student Development (student activities, career development and employment services, personal counseling), Admissions and Records, Student Aid (financial aid, housing), Skills and Assessment (skills development, tutorial programs, diagnostic and testing programs, enrichment programs), Relations with Schools, Special Programs (Educational Opportunity Program, Veterans' Affairs, Handicapped Services), Health Programs and Psychological Counseling, Public Safety, and Evening Administration.

The University College staff aids in identifying institutional and administrative problems and goals. In order to enhance the total educational experience of the students, it also assists in the provision and implementation of solutions for problems which are or may be encountered by those attending the University.

THE UNIVERSITY INFORMATION AND SERVICE CENTER

The following information concerning the cost of attending California State University Dominguez Hills is available from University Information and Service Center, SC A130, phone 515-3696. This information includes:

1. Tuition fees;
2. Estimated costs of books and supplies;
3. Estimates of typical student room and board costs or typical community costs; and
4. Any additional costs of the program in which the student is enrolled or expresses a specific interest.

Information concerning the refund policy of California State University Dominguez Hills for the return of unearned tuition and fees or other refundable portions of costs is also available from the University Information and Service Center.

The University Information and Service Center has been designed to be the one-stop center for campus-wide student services, providing essential, centralized information about the campus. Information on campus resources may be obtained in the Center, and brochures, maps, directories, and other materials for students and visitors are available.

Center functions include the handling of all application requests, the withdrawal process for students who are terminating their studies at California State University Dominguez Hills, and special services for students on probation. Student services located within the Center include pre-admission, International Programs, Liberal Studies, and general academic advising. The Office of School and College Relations and Evening Administration are also located in the Center.

The University Information and Service Center serves as the central repository for information regarding all activities and programs of the University, and also gives referrals to other campus services.

HEALTH PROGRAMS AND PSYCHOLOGICAL COUNSELING

The Health Programs and Psychological Counseling unit includes Student Health Services, Psychological Counseling services, and the baccalaureate degree program in Health Science. The unit provides an integrated approach for services designed to meet both the physical and emotional health needs of students and for programs which provide training in health-related fields.

The goal of Student Health Services is to assist students in maintaining their health in order to successfully participate in the educational program of the campus. A variety of services are provided, including acute health care, x-ray, laboratory tests, referral for consultation, blood pressure screening, and family planning. The services are available to all registered students who have filed a medical history form with the Health Center. Although it is not required, except for students participating in intercollegiate athletic programs, students are encouraged to have a physical examination by their own physician prior to admission. The medical history form is required of all students using the Student Health Center.

Psychological counseling services are available to students experiencing personal problems or concerns. Students may involve themselves in both individual and group counseling experiences. Professionally trained counseling psychologists are available to work with students or to make appropriate referrals when indicated. See the section, "Counseling Programs", for a more detailed explanation of the counseling services offered.

The objective of the academic degree in Health Science is to offer a B.A. degree to previously trained health personnel so that they may assume more advanced and responsible roles as health professionals. The program offers three options for students pursuing this degree: 1) Health Care Management, 2) Clinical Health (in cooperation with Charles Drew Postgraduate Medical School; this option prepares students for careers as Physician Assistants), and 3) Community Health. See Health Science under the Departmental Undergraduate Requirements and Course Offerings for a listing of the courses available in the Health Science Program.

Student Health Insurance

All students are encouraged to participate in a supplementary medical insurance plan which is made available through the University. This insurance plan provides for major hospital expenses and surgical benefits which the Health Center cannot offer at a low cost to students. Information concerning the medical insurance plan is available from the Student Health Center.

OFFICE OF STUDENT DEVELOPMENT

The Student Development unit is an educational and service component of University College. The staff applies human development concepts so that students can master increasingly complex developmental tasks, achieve self-direction, and become independent. The unit provides the resources for facilitation of student learning skills and the attainment of educational, career and life goals. The staff assists students in dealing with general personal problems, goal-setting, participative planning, decision making, conflict resolution, and clarification of

role relationships. For a more detailed account of the types of services available, see the sections "Counseling Programs", "Student Association", "The Union", and "Chartered Organizations".

COUNSELING PROGRAMS

Situations arise in which students experience personal difficulties for which they might want professional help. In these cases, there are counseling psychologists available in Student Development, SC-C128, and in Health Programs and Psychological Counseling, in the Health Center.

Student Development handles both personal and career counseling, and invites the participation of students who feel that their college career is hampered by problems in the areas of human relations, social interactions, parental and/or marital conflicts, or identity confusion.

The Health Programs and Psychological Counseling unit invites students who are experiencing any type of personal or interpersonal problem to participate in a counseling experience. This may include, but is not limited to, difficulties such as anxiety, depression, identity confusion, marital or family conflicts, or concerns about social relationships. Students are encouraged to seek counseling for maximizing their own growth potential.

In both programs, students may involve themselves in individual and/or group counseling experiences. Students seen individually are encouraged to set up realizable goals that can be explored within a period of one quarter, although this is re-negotiable. Students participating in groups are not limited to a set duration, but are also encouraged to set up realizable goals that can be pursued through involvement in group counseling. Examples of some of the group experiences offered by the two areas include Personal Growth Groups, Relaxation Training, Assertion Training, Test Anxiety Desensitization, Creative Fantasy, and Transactional Analysis Groups.

At the present time, Student Development and Health and Psychological Counseling Programs are cooperating with interested faculty and students to jointly offer a peer counseling program. Individuals interested in consulting with a fellow student are invited to do so by contacting Student Development.

The staffs of both Student Development and Health and Psychological Counseling Programs consist of professionally trained counseling psychologists having several orientations, although the general counseling approach is geared toward the individual student. The overall goal is to work with each individual so that his or her personal growth leads to the realization of successful college experiences.

The Student Development Office also offers career development and employment services, assists in the career planning needs of Dominguez Hills students, and serves as a link between the academic world and the world of work by offering assistance to the student in preparation for the job market. Career counseling is available to help students formulate their career goals. Assistance is provided in writing résumés, preparing for interviews, and in the search for employment. To assist students in selecting, pursuing, and obtaining meaningful employment and/or further academic training after graduation, the Student Development office provides a variety of services such as workshops, seminars, career information day programs, assistance in a direct job search and, for the

credential student, assistance in establishing placement files. The Student Development office also assists students in seeking employment by listing opportunities for full-time positions, both on and off campus, and by conducting an on-campus job interview program. This latter program allows students the opportunity of being interviewed by prospective employers, and is conducted in the fall, winter, and spring quarters. A career library is maintained to provide information on employers and occupations in business and industry. Information regarding graduate and professional schools, including applications, admissions criteria, and financial aid is available through the Student Development office. A workshop in choosing and applying for graduate school is also provided.

CAREER PLACEMENT

The campus may furnish, upon request, information concerning the subsequent employment of students who graduate from programs or courses of study which have the purpose of preparing students for a particular career field. This information includes data concerning average starting salary and the percentage of previously enrolled students who obtained employment. The information provided may include data collected from either graduates of the campus or graduates of all campuses in The California State University and Colleges. Interested prospective students may request copies of the published information from the Office of Student Development.

THE STUDENT ASSOCIATION

All students are members of the Student Association by virtue of mandatory fees paid during registration. The governing body of the Association is the Council which is composed of officers elected each spring. The Council formulates policy and handles the business affairs of the student body. Within the Association, various commissions are concerned with finance, publications, academic affairs, activities, organizations, and recreational sports. Student offices are located in Casa Dominguez on the west end of the campus. Staff in the Office of Student Development serve as liaison between campus administration and Student Association.

CHARTERED ORGANIZATIONS

The number of chartered student organizations varies yearly, depending upon student interest. Students wishing to pursue a particular interest or concern not covered by existing clubs may apply for a charter through the Student Development Service Desk in the Union. Some of the existing organizations include the Accounting Society, the Anthropology Club, Christian Concord, Delta Phi Upsilon, the Dominguez Players, the Geographic Society, the History Club, the Horticulture Club, MECHA, the Rugby Club, the Sociology Club, the Toros Pep Club, the Black Students Association, and the Communications Club.

STUDENT PUBLICATIONS

Lines of communication are important to any campus, keeping students, faculty, and staff aware of the happenings at that institution. At Dominguez Hills, the student newspaper fills this need. *The Dominguez Hills Journal* is often the student's first introduction to campus life, providing information on club activi-

ties, student government, sports, and cultural events. Interesting letters on campus issues, as well as humorous articles, make this newspaper a lively one.

In addition, the University's Communications Department publishes a quarterly magazine, *Panorama*, with in-depth articles on the University, students, and faculty. This laboratory publication is produced by students planning careers in journalism.

THE UNION

The Union is located in the western end of the Commons Building. The Union has been designed as a place where students, faculty, and staff can meet and relax together between classes. Located in the Union are a quiet lounge; a meeting room; an activity lounge where billiard tables, pinball machines, and game tables are located; and a Service Desk operated by the Student Development Office which provides information on student activities and check out service for games and other equipment in the Union.

RECREATION

Physical education facilities such as a gymnasium, swimming pool, tennis courts, volleyball courts, track, baseball diamond, softball diamond, and the all-purpose field are available for the use of enrolled students, faculty, and staff. Students, faculty, and staff are encouraged to use the facilities as long as there is no conflict with classes or other scheduled events. Information regarding recreational use of physical education facilities should be directed to the Department of Physical Education and Recreation and the Recreation facilities coordinator located in the new gymnasium.

CAFETERIA AND UNIVERSITY BOOKSTORE

The Cafeteria and University Bookstore are operated for the convenience of students and faculty and the proceeds are used to further the educational aims of the University. Students are able to order books, supplies, and sundry items needed for classes from the on-campus Bookstore.

THE ALUMNI ASSOCIATION

The CSUDH Alumni Association seeks to advance the welfare of the University, to promote common interests of its students and alumni, and to serve as liaison with the University, alumni, and the community. The Alumni Association sponsors a number of activities during the year, provides scholarship assistance to students, presents five Outstanding Achievement Awards annually to outstanding seniors, and generally supports the development of the University.

The Alumni Association helps support the Annual Fund, which provides financial assistance for a variety of University developments. Through these efforts, funds are provided for scholarships for students in need, for awards in recognition of outstanding achievements by University faculty members (including research and special projects) and for other creative efforts in need of financial support.

OFFICE OF SPECIAL PROGRAMS

The Office of Special Programs consists of the Educational Opportunity Program, Veterans' Affairs, and Handicapped Services. These programs were established for students who may require assistance while seeking both educational and personal goals. Each component is unique, handling its students according to their individual needs.

Educational Opportunity Program

The Educational Opportunity Program (E.O.P.) is an alternate admission program which recruits and admits those students who do not meet the standard admissions requirements of the University, but who display the potential to succeed in the University. E.O.P. facilitates the enrollment and academic success of both the educationally and economically disadvantaged. Application deadlines exist for each quarter of the academic year. For the 1979-80 academic year, the following deadlines are applicable for admission into the E.O.P. Program: April 15, 1979, Fall quarter; December 3, 1979, Winter quarter; and February 24, 1980, Spring quarter.

Acceptance into the program is based upon an evaluation of the student's past educational experience, two letters of recommendation, a personal interview, and an E.O.P. admissions packet which may be used at all 19 campuses within the CSUC system. Once admitted into E.O.P., students are provided with supportive services such as tutoring, academic advisement, counseling, Study Skills, English as a Second Language assistance, and the Center for Skills and Assessment to maximize their potential for success.

Prospective students who do not meet standard admissions requirements are urged to apply for admission through the Educational Opportunity Program, and to check at the E.O.P. Office on campus to confirm the admission deadlines for each quarter.

Former EOP students, whether they previously attended Dominguez Hills or another CSUC EOP Program, must apply directly to the E.O.P. Office for undergraduate readmission. It is suggested that readmits apply no later than 30 days prior to the quarter in which they wish to be readmitted. This requirement is necessary in order to assure that admissions as well as financial assistance is prepared for the student prior to admission.

Handicapped Students

Due to the lack of architectural barriers, the California State University Dominguez Hills campus is an excellent location for a Handicapped Services Program.

Handicapped Services alleviates the disabled students' problems by performing the following activities: (1) providing priority registration for all disabled students, (2) operating a referral service and providing a referral manual for the handicapped concerning information about California State University Dominguez Hills, other campuses, and various organizations, (3) attempting to find rides and readers for blind students, and other disabled students, at their request, (4) maintaining an on-campus reference library on the disabled, (5) reviewing architectural plans for any barriers, and, at the students' request, attempting to

eliminate structures that might hinder accessibility, and (6) securing appointments for students with rehabilitation counselors.

Equipment available in the Handicapped Services Office for student use includes a Braille, Visualtek, a page-turner, a tape recorder, a University catalogue on tape, canes, crutches, and a wheelchair. A Braille dictionary is available in the University library.

Office of Veterans Affairs

The Office of Veterans Affairs provides a wide variety of services and programs to assist veterans and veteran dependents in reaching their educational and career goals. Services include pre-admission advisement, personal counseling, community referral services, veteran's benefit counseling, information on legislation affecting veterans, special admission, discharge upgrading, and a tutorial assistance program for veterans experiencing academic problems.

The VA Work-Study Program is available for veteran students in need of part-time employment to continue their education. If eligible, veterans can earn approximately \$1,995 per year to supplement their VA educational benefits.

A Veteran Representative is available for veterans having problems with VA-related matters. The office is open for both day and evening students. Veterans are encouraged to come by the office to meet the staff and other veterans.

Vocational Rehabilitation Services

Students having moderate to severe disabilities may be eligible for the services of the State Department of Rehabilitation. These services include vocational counseling and guidance, training (with payment of costs such as books, fees, tuition, etc.), and job placement. Under certain circumstance students may also qualify for help with medical needs, living expenses, and transportation.

OFFICE OF STUDENT AID

The following information concerning student financial assistance may be obtained from Robert Jones, Student Aid Office, SC C144, phone 515-3647:

1. Student financial assistance programs available to students who enroll at California State University Dominguez Hills;
2. The method by which such assistance is distributed among student recipients who enroll at California State University Dominguez Hills;
3. The means, including forms, by which application for student financial assistance is made; the requirement for accurately preparing such applications; and the review standards employed to make awards for student financial assistance; and
4. The rights and responsibilities of students receiving financial assistance.

The Office of Student Aid handles financial aid, part-time employment, housing, and referrals to various governmental and community agencies.

The purpose of student financial aid is to provide appropriate financial assistance to eligible students to aid them in achieving their educational objectives. To be considered for financial assistance, students must complete the financial aid section of the admission application. Students who are applying for fall admission and who wish to apply for financial aid should complete the application by May 1. Applicants for winter and spring admission should complete their

financial aid application six weeks prior to registration. All undergraduate students who have not received a bachelor's degree and are applying for financial aid must also apply for a Basic Educational Opportunity Grant (BEOG).

The University participates in the following financial aid programs: National Direct Student Loans (NDSL); Federally Insured Student Loans (FISL); College Work Study, Supplemental Educational Opportunity Grants (SEOG); Basic Educational Opportunity Grants (BEOG); California Educational Opportunity Grants (EOP); California Scholarship (California Grant A); the College Opportunity Grant (C.O.G. or California Grant B); and the California Graduate Fellowship Program.

A brochure is available in the Office of Student Aid to explain the various programs in detail.

Scholarships and Loans

California State University Dominguez Hills offers, through the generous donations of the sponsors and friends of the University, the following scholarships to assist financially needy and academically qualified students:

Josie Bain Scholarship. Provides for fees and books for students enrolled or accepted for full-time enrollment in the School of Education. Established by the California Association of Childhood Education. Applications are available during fall registration.

Hank Myers Scholarship. Provides a full fee scholarship (\$206) to a student whose education has been interrupted for five or more years. This scholarship was established by the family and friends of the late Hank Myers, and is available to students enrolled at least half time. Applications are available during fall registration.

Laura E. Settle Scholarship. Provides \$500 financial assistance to a Teacher Education candidate who is fulfilling student-teaching requirements. This scholarship has been established by the California Retired Teachers Association, and is available to a student accepted into the Teacher Education Credential Program and enrolled at least half time. Applications are available during fall registration.

PTA - Early Childhood Education Scholarship. Provides financial assistance to a full-time Teacher Education candidate specializing in the field of Early Childhood Education. Established by the California Congress of Parents and Teachers. Applications are available during fall registration.

Jack Kilfoil Memorial Scholarship. Provides \$400 in financial assistance to a full-time Dominguez Hills student majoring in History, with preference to a student majoring in or interested in Archival History. Established in memory of Dr. Jack Kilfoil, Associate Professor of History, by his family and friends. Applications are available during winter registration.

California Seal Bearer's Scholarship. Provides \$206 financial assistance to a California high school student who has shown outstanding academic performance and has been recognized as a seal bearer in high school.

Senator Joseph F. Kennick Scholarship. Provides \$206 financial assistance for meeting educational expenses to a first-year student. Established by friends of Senator Kennick in recognition of his efforts to help establish California State University Dominguez Hills. Applications will be available beginning January 1.

Emergency Student Loan. A fund donated by various groups and individuals which provides a 30-day, no-interest loan to registered students to assist them in meeting emergency expenses.

Claudia Foote Memorial Fund. Established by friends of Dr. John Foote in memory of his daughter, this fund provides short-term book loans to registered students demonstrating a temporary financial need due to expenses for books.

Student Housing

The University has no student residence halls on campus and no University-approved housing. As a convenience to students, a housing rental listing service is maintained by the Office of Student Aid.

CENTER FOR SKILLS AND ASSESSMENT

The Center for Skills and Assessment is a comprehensive student service. Programs available include skill development, tutorial help, testing, and enrichment groups. All services are free to California State University Dominguez Hills students.

Skills development programs are designed for students who wish to improve their abilities in basic skill areas such as reading, writing, spelling, computation, listening, notetaking, study strategies, and test-taking. A wide variety of self-instruction materials, workshops, and counseling services are available.

Tutorial programs are designed to help people with specific content area difficulties. Individuals may take advantage of tutorial groups covering the content of certain courses or may receive individualized help with problem areas within a particular course.

Diagnostic and testing programs include individualized diagnostic testing (for emotional problems, vocational decisions, and academic difficulties), University credit-by-examination programs, placement examination programs, Board of Behavioral Sciences licensing examinations, and national undergraduate and graduate entrance examinations.

Enrichment programs are available for students who wish to develop more sophisticated skills or who desire to explore new areas of study. Some available activities include:

- Graduate examination preparation workshops
- Groups for returning students
- Groups for the older student
- General study groups and rap sessions
- Listening and notetaking skill groups
- English-as-a-second-language groups
- Speed reading courses
- Writing workshops
- Test anxiety desensitization groups
- Minicourses in a variety of content areas

OFFICE OF RELATIONS WITH SCHOOLS

The purposes of the Office of Relations with Schools and Colleges programs and services are to provide pre-admission guidance to prospective students, parents, and the educational community; to provide current information about the University's curricula and requirements to school and college counselors; and to take an active role in educational services to public educational institutions.

DEPARTMENT OF PUBLIC SAFETY

The Department of Public Safety is a service-oriented campus agency which provides a wide-ranging spectrum of assistance to campus community members. The Department is responsible for all law enforcement activities, ranging from preventive patrol, on foot and in clearly marked police vehicles, to investigation of criminal offenses, recovery of property and apprehension of offenders. The Department is also responsible for parking and traffic control, environmental health and safety activities, fire prevention, and University telephone communications.

Public Safety Officers are State Peace Officers who are trained and certified by the California Commission on Peace Officer Standards and Training. Their duties include enforcement of federal, state, and local laws, and University regulations. Twenty-four hour a day service is rendered by the Department. All members of the campus community are encouraged to contact any member of the Department regarding problems which are within the scope of public safety.

The Department of Public Safety also provides related services such as a Lost and Found Service, a Student Patrol, and telephone repair. The Student Patrol is available for escort service to and from parking areas and classrooms. This service is provided between 5:00 pm and 10:00 pm on evenings when classes are being held. Student Patrol personnel may be identified by the clearly marked jackets and white helmets which they wear. They are also equipped with walkie-talkies for direct communication with the Department.

Visitor parking permits, campus maps, disabled permit applications, and parking restriction pamphlets may be obtained from the Department service counter.

STUDENT RESPONSIBILITY

Each student is responsible for compliance with the regulations printed in this catalog and with official notices posted on official bulletin boards.

STANDARDS FOR STUDENT CONDUCT

The University seeks to create the optimum climate for academic excellence for both students and faculty. Within this climate, students must have the opportunity to develop an understanding of their roles as citizens in a democracy. In order to achieve these goals, the University strives to minimize its regulatory controls over individual student conduct and to maximize the opportunity for student self-control and self-discipline. Students who attend the University are expected to conduct themselves in a manner compatible with the laws of federal, state, and local governments, as well as with the stated purposes of the university. The *California Administrative Code, Title 5, Sections 41301 and 41302* read:

41301: Expulsion, Suspension and Probation of Students. Following procedures consonant with due process established for the campus of which he is a student any student of a campus may be expelled, suspended, placed on probation, or given a lesser sanction for one or more of the following causes which must be campus related:

- a. Cheating or plagiarism in connection with an academic program at a campus.
- b. Forgery, alteration, or misuse of campus documents, records, or identification or knowingly furnishing false information to a campus.
- c. Misrepresentation of oneself or of an organization to be an agent of a campus.
- d. Obstruction or disruption, on or off campus property, of the campus educational process, administrative process, or other campus function.
- e. Physical abuse on or off campus property of the person or property of any member of the campus community or of members of his family or the threat of such physical abuse.
- f. Theft of, or non-accidental damage to, campus property, or property in the possession of, or owned by, a member of the campus community.
- g. Unauthorized entry into, unauthorized use of, or misuse of campus property.
- h. On campus property, the sale or knowing possession of dangerous drugs, restricted dangerous drugs, or narcotics as those terms are used in California statutes, except when lawfully prescribed pursuant to medical or dental care, or when lawfully permitted for the purpose of research, instruction, or analysis.
- i. Knowing possession or use of explosives, dangerous chemicals, or deadly weapons on campus property or at a college campus function without prior authorization of the campus president.
- j. Engaging in lewd, indecent, or obscene behavior on campus property or at a campus function.
- k. Abusive behavior directed toward, or hazing of, a member of the campus community.
- l. Violation of any order of a campus president, notice of which has been given prior to such violation and during the academic term in which the violation occurs, either by publication in the campus newspaper, or by posting on an official bulletin board designated for this purpose, and which order is not inconsistent with any of the other provisions of this Section.
- m. Soliciting or assisting another to do any act which would subject a student to expulsion, suspension, or probation pursuant to this Section.
- n. For purposes of this Article, the following terms are defined:
 1. The term "member of the campus community" is defined as meaning California State University and Colleges Trustees, academic, nonacademic, and administrative personnel, students, and other persons while such other persons are on campus property or at a campus function.
 2. The term "campus property" includes:
 - A. real or personal property in the possession of, or under the control of, the Board of Trustees of the California State University and Colleges, and
 - B. all campus feeding, retail, or residence facilities whether operated by a campus or by a campus auxiliary organization.
 3. The term "deadly weapons" includes any instrument or weapon of the kind commonly known as a blackjack, sling shot billy, sandclub, sandbag, metal knuckles, and dirk, dagger, switchblade knife, pistol, revolver, or any other firearm, any knife having a blade longer than five inches, any razor with an unguarded blade, and any metal pipe or bar used or intended to be used as a club.
 4. The term "behavior" includes conduct and expression.
 5. The term "hazing" means any method of initiation into a student organization or any pastime or amusement engaged in with regard to such an organization which causes, or is likely to cause, bodily danger, or physical or emotional harm,

to any member of the campus community; but the term "hazing" does not include customary athletic events or other similar contests or competitions.

(o) This Section is not adopted pursuant to Education Code Section 89031.

(p) Notwithstanding any amendment or repeal pursuant to the resolution by which any provision of this Article is amended, all acts and omissions occurring prior to that effective date shall be subject to the provisions of this Article as in effect immediately prior to such effective date.

41302. Expulsion, Suspension or Probation of Students; Fees and Notification. The President of the campus may place on probation, suspend, or expel a student for one or more of the causes enumerated in Section 41301. No fees or tuition paid by or for such student for the semester, quarter, or summer session in which he or she is suspended or expelled shall be refunded. If the student is readmitted before the close of the semester, quarter, or summer session in which he or she is suspended, no additional tuition or fees shall be required of the student on account of the suspension. In the event that a student who has not reached his or her eighteenth birthday and who is a dependent of his or her parent(s) as defined in Section 152 of the Internal Revenue Code of 1954 is suspended or expelled, the President shall notify his or her parent or guardian of the action by registered mail to the last known address, return receipt requested.

During periods of campus emergency, as determined by the President of the individual campus, the President may, after consultation with the Chancellor, place into immediate effect any emergency regulations, procedures, and other measures deemed necessary or appropriate to meet the emergency, safeguard persons and property, and maintain educational activities.

The President may immediately impose an interim suspension in all cases in which there is reasonable cause to believe that such an immediate suspension is required in order to protect lives or property and to insure the maintenance of order. A student so placed on interim suspension shall be given prompt notice of charges and the opportunity for a hearing within 10 days of the imposition of interim suspension. During the period of interim suspension, the student shall not, without prior written permission of the President or designated representative, enter any campus of the California State University and Colleges other than to attend the hearing. Violation of any condition of interim suspension shall be grounds for expulsion.

While students have every opportunity to learn self-discipline in matters of social conduct, those who are unable to achieve a reasonably acceptable level of mature conduct are subject to certain disciplinary actions. State University regulations and campus policy and procedures are cited in the California State University Dominguez Hills Statement of Student Rights and Responsibilities. Copies may be obtained from the Office of the Dean of University College or from the Student Association Office.

PLAGIARISM

The goals of the University are to teach intellectual honesty and to help improve the student's abilities to read with critical perception and to express ideas effectively both orally and in writing. Pursuant to such goals the student cannot submit academic papers unless such papers are in his/her own style and words.

The University considers plagiarism, in the broad sense of the term, to violate its academic and disciplinary standards. Plagiarism in the broad sense as used at CSUDH includes the copying of one person's work by another, or the false holding of oneself out as the writer, or the taking of another person's unique method of treatment or expression, or the false representation as to the source, or the passing off of significant parts of someone else's language without honest paraphrasing and citations. Also it would be cheating or plagiarism in connection with the academic program to claim credit for artistic work done by someone else such as a music composition, photographs, a painting, drawing, sculpture, etc.

Paraphrasing requires that ideas be given meaning in *other* words or style than those used in the original. It is *not* adequate to simply change a few words. The words and style must be the student's own. Likewise, it is wrong to open with "the author says that _____" and proceed to use the original words for a paragraph or page, unless it is a direct quote with an appropriate footnote.

Plagiarism is cause for formal University discipline as well as justification for an instructor to assign a lower grade in a particular course.

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 (45 C.F.R. 99) and California Education Code Section 67100 et seq., set out requirements designed to protect the privacy of students concerning their records maintained by the campus. Specifically, the statute and regulations govern 1) access to student records maintained by the campus, and 2) the release of such records. In brief, the law provides that the campus must provide students access to official 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. The institution has adopted a set of policies and procedures concerning implementation of the statutes and the regulations on the campus. Copies of these policies and procedures may be obtained at the Office of the Dean of University College. Among the types of information included in the campus statement of policies and procedures is: 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 which 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 which will be

charged for reproducing copies of records, and 8) the right of the student to file a complaint with the Department of Health, Education and Welfare. 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), Department of Health, Education and Welfare, 330 Independence Avenue, SW, Washington, D.C. 20201.

The campus 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, the most recent previous educational agency or institution attended by the student and any other information authorized in writing by the student. The above designated information is subject to release by the campus at any time unless the campus has received prior written objection from the student specifying information which the student requests not be released. Written objections should be sent to either the Judicial Officer or the Dean of University College.

The campus is authorized to provide access to student records to campus officials and employees who have legitimate educational interests in such access. These persons are those who 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.

ADMISSION TO THE UNIVERSITY

Before applying for admission to California State University Dominguez Hills, students should study carefully the academic majors which will be available to them.

Application forms are available from California high school and community college counseling offices and upon request by mail or in person from:

University Information and Service Center
California State University Dominguez Hills
Carson, California 90747

ADMISSIONS PROCEDURES AND POLICIES

Requirements for admission to California State University Dominguez Hills are in accordance with Title 5, Chapter 1, subchapter 3, of the *California Administrative Code*. A prospective applicant who is unsure of his status under these requirements is encouraged to consult a high school or college counselor or the Office of Admissions and Records. Applications may be obtained from the Office of Admissions and Records at any of the campuses of The California State University and Colleges or at any California high school or community college.

Undergraduate Application Procedures

Prospective undergraduates, whether applying for part-time or full-time programs of study, in day or evening classes, must file a complete application including all of the required forms and fees as described in the application booklet. The \$20.00 non-refundable application fee should be in the form of a check or money order payable to The California State University and Colleges. Undergraduate applicants may file only at their first-choice campus. Alternate choice campuses and majors may be indicated on the application, but *an applicant should list as alternate campuses only those campuses of The California State University and Colleges that he will attend if his first-choice campus cannot accommodate him*. Generally, alternate degree majors will be considered at the first-choice campus before an application is redirected to an alternate choice campus. Applicants will be considered automatically at the alternate choice campus if the first-choice campus cannot accommodate them. *Transcripts and other supporting documents should not be submitted until requested by the campus. Late applicants, however, should have their documents sent immediately upon application.*

LOCALLY AND SYSTEMWIDE IMPACTED PROGRAMS

Impacted programs are those in which applications received in the first month of the filing period exceed the total spaces available, either locally (at an individual campus) or systemwide. You must make application for an impacted program during the first month of the filing period and may file more than one application and fee. Nonresidents, foreign or domestic, usually are not considered for admission to impacted programs.

High school and community college counselors are advised prior to the opening of the fall filing period which programs will be impacted. Supplementary

admission criteria are used by the campuses to determine which applicants will be allocated space in impacted programs.

Locally Impacted Programs

In selecting first-time freshmen and lower division transfers with fewer than 12 transferable semester units, at least one-half of the available space will be reserved for the most highly qualified applicants based on previous academic performance as measured by the eligibility index. High school grade point averages based on grades earned in the final three years of high school exclusive of physical education and military science, as reported by applicants on the application, and test scores received by the campus no later than the end of the first month of the filing period will be used to compute the eligibility index. You should take the ACT or SAT test at the earliest date, although the inability of fall 1979 applicants to supply test scores by December 1, 1978, will not jeopardize admission priority. Remaining space may be allocated on the basis of self-declared grade point average or other criteria, details of which will be given applicants by the campuses. Applicants who cannot be accommodated will be considered at the same campus in an alternative major or redirected to an alternative campus where the program is not impacted.

Systemwide Impacted Programs

The supplementary admission criteria used by the individual campuses to screen applicants to systemwide impacted programs appear periodically in the *Counselors' Digest* and are sent to all applicants under consideration. Unlike unaccommodated applicants to locally impacted programs who may be redirected to another campus in the same major, unaccommodated applicants to systemwide impacted programs may not be redirected in the same major but may choose an alternative major either at the first choice campus or another campus.

POST-BACCALAUREATE APPLICATION PROCEDURES

All applicants for any type of postbaccalaureate status (e.g., master's degree applicants, those seeking credentials, and those interested in taking courses for personal or professional growth) must file a complete application within the appropriate filing period. *Second baccalaureate degree candidates should apply as undergraduate degree applicants.* A complete application for postbaccalaureate status includes all of the materials required for undergraduate applicants plus the supplementary graduate admissions application. Postbaccalaureate applicants who completed undergraduate degree requirements and graduated the preceding term are also required to complete and submit an application and the \$20 nonrefundable application fee. Since applicants for postbaccalaureate programs may be limited to the choice of a single campus on each application, redirection to alternative campuses or later changes of campus choice will be minimal. In the event that a postbaccalaureate applicant wishes to be assured of initial consideration by more than one campus, it will be necessary to submit a separate application (including fee) to each. Applications may be obtained from the Graduate Studies Office of any California State University or college campus in addition to the sources noted for undergraduate applicants.

APPLICATION FILING PERIODS

<i>Terms in 1979-80</i>	<i>Applications First Accepted</i>	<i>Filing Period Duration</i>	<i>Student Notification Begins</i>
Fall Qtr. 1979	Nov. 1, 1978	Each campus accepts applications until capacities are reached. Most campuses accept applications up to a month prior to the opening day of the term. Some campuses will close individual programs as they reach capacity.	Dec. 1978
Winter Qtr. 1980	June 1, 1979		July 1979
Spring Qtr. 1980	Aug. 1, 1979		Sept. 1979

Space Reservation Notices

Most applicants will receive some form of space reservation notice from their first choice campus within two months of filing the application. A notice that space has been reserved is also a request for records necessary to make the final admission decision. It is an assurance of admission *only* if evaluation of the applicant's previous academic record indicates that admission requirements have been met. Such a notice is not transferable to another term or to another campus.

HARDSHIP PETITIONS

There are established procedures for consideration of qualified applicants who would be faced with extreme hardship if not admitted. Prospective hardship petitioners should write the Admissions Office regarding specific policies governing hardship admission.

UNDERGRADUATE ADMISSION REQUIREMENTS

First-time freshman eligibility is governed by an eligibility index. The index is computed using the high school grade point average on all course work completed in the last three years of high school, exclusive of physical education and military science; and the ACT composite, or the SAT total score. The full table of grade point averages, with corresponding test scores and the equation by which the index is computed, is reproduced on p. 49. Test results of either the CEEB Scholastic Aptitude Test (SAT) or the American College Testing program examination (ACT) are acceptable in establishing eligibility.

Registration forms and test dates for either test may be obtained from school or college counselors, from the addresses below, or from the campus testing offices. For either test, submit the registration form and fee at least one month prior to the test date.

ACT Address

American College Testing Program, Inc.
Registration Unit, P.O. Box 168
Iowa City, Iowa 52240

SAT Address

College Entrance Examination Board
Box 592
Princeton, New Jersey 08540

First-Time Freshman Applicants (California High School Graduates and Residents)

Applicants who are graduates of a California high school or legal residents for tuition purposes must have an eligibility index which places them among the upper one-third of California high school graduates. The minimum index is 741 (ACT) or 3072 (SAT). The following table illustrates grade point averages and test scores needed to qualify for admission.

EXCERPTS FROM ADMISSIONS ELIGIBILITY TABLE FOR CALIFORNIA HIGH SCHOOL GRADUATES

G.P.A.	2.00*	2.20	2.40	2.60	2.80	3.00	3.20**
A.C.T. Score.....	35	31	27	23	19	15	11
S.A.T. Score	1472	1312	1152	992	832	672	512

* Below 2.00 not eligible.

** Above 3.20 eligible with any score.

First-Time Freshman Applicants (Non-resident)

The admission requirements for non-resident applicants are higher than those for California residents. Applicants who are neither residents for tuition purposes nor graduates of a California high school must have an eligibility index which places them in the upper one-sixth of California high school graduates. The minimum index for such students is 826 (ACT) or 3402 (SAT).

Undergraduate Transfer Applicants (Resident and Non-resident)

Transfer admission eligibility is based on *TRANSFERABLE* college units attempted, rather than on all college units attempted. California Community College transfers should consult their counselors for information on transferability of courses. Applicants in good standing at the last college attended may be admitted as undergraduate transfers if they meet either of the following requirements:

1. Eligible for admission in freshman standing (see freshman requirements) with a GPA of "C" (2.0 on a scale where A = 4.0) or better in all transferable college units attempted.
2. Completed at least 56 transferable semester units or 84 transferable quarter units with a GPA of "C" (2.0 on a scale where A = 4.0) or better if a California resident; non-residents must have a GPA of 2.4 or better.

Readmission of Former Students

A student previously enrolled at the University is not required to file a new application for admission and pay an application fee unless he or she is absent from the University for three quarters or more or has attended another institution during the absence.

Former Students in Good Standing

A student who left the University in good standing will be readmitted provided any academic work attempted elsewhere does not change his or her scholastic status. Transcripts of any work attempted in the interim are required.

Former Students on Probation

A student on probation at the close of the last quarter of enrollment will be readmitted on probation provided he or she is otherwise eligible. The student must have official transcripts of any *college* work attempted during the absence sent to the University.

Former Students Disqualified

The readmission of a previously disqualified student is by special action only. The University will not normally consider a student for reinstatement until after two quarters of non-attendance and until after all recommended conditions have been fulfilled. In every instance, readmission action is based upon evidence, including transcripts of work completed elsewhere subsequent to disqualification and objective evidence, that causes of previous low achievement have been removed. A petition for reinstatement must be filed in order for a student to be considered for reinstatement.

Admission of High School Students

Students still enrolled in high school will be considered for enrollment in certain special programs if recommended by the principal and if preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a given program and does not constitute the right to continued enrollment.

Admission of International (Foreign) Students

Foreign visa applicants are required to comply with the following requirements and instructions.

1. Applicant must have completed 84 transferable quarter units (56 semester) with a grade point average of 2.4 at an accredited U.S. institution.
2. Applicant must show evidence of competence in the English language. The results of the Test of English as a Foreign Language (TOEFL) with a minimum score of 550 are required to show evidence of English competence.
3. Applicant must submit official transcripts from all colleges and universities previously attended. If transcripts are in a foreign language, a certified English translation is required. An overall grade point average of 2.4 on a 4-point scale is required on all transfer units attempted.
4. Student must file part A of the application for admission with the application fee.
5. Student must submit a financial responsibility statement. The form is available from the Office of Admissions and Records.

Other Applicants

An applicant not admissible under one of the above provisions should enroll in a community college or other appropriate institution. Only under the most unusual circumstances will such applicants be granted admission to California State University Dominguez Hills. Permission is granted only by special action.

CONDITIONAL ADMISSION

A conditional admission may be granted by the University for one quarter only if an applicant has unofficial copies of transcripts on file. The student is allowed to remain in classes for the quarter to which the conditional admission was granted. It then becomes the student's responsibility to provide the University with official copies of the needed documents no later than three weeks prior to registration for the subsequent quarter.

If these documents are not provided, the following restrictions are imposed:

1. Registration materials for any subsequent quarter will not be released.
2. Other services, such as grades and transcripts, will be withheld.

ADMISSIONS ADVISING

Admissions advisors are available in the University Information and Service Center, SC A-130, to aid students in the application process. Questions about admissions requirements, transfer of previous coursework, application deadlines, and other parts of the application process should be directed to the Center. For additional information regarding advisement, see the section about Academic Advisement, p. 75.

ELIGIBILITY COMPUTATION TABLE

The chart is used in determining the eligibility of graduates of California high schools (or California legal residents) for freshman admission to a State College or University. Grade point averages are based upon work completed in the last three years of high school or the last three years of high school excluding the final semester, except for course work in physical education and military science. Scores shown are the SAT total and the ACT composite. Students with a given grade point average must present at least the corresponding test score in order to be eligible for Admission. Conversely, students with a given ACT or SAT score must present the corresponding grade point average.

The minimum eligibility index is 3072, using the Scholastic Aptitude Test, or 741, using the American College Test. It is computed either by multiplying grade point average by 800 and adding it to the total SAT score or by multiplying grade point average by 200 and adding it to 10 times the composite ACT score. In both cases, the combination may not include a grade-point average of less than 2.0. The grade-point average is based upon the last three years of high school. Course work in physical education and military science is not counted in the grade point average.

ELIGIBILITY COMPUTATION TABLE

GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score
(—) ¹			2.80	19	832	2.39	27	1160
3.20	11	512	2.79	19	840	2.38	27	1168
3.19	11	520	2.78	19	848	2.37	27	1176
3.18	11	528	2.77	19	856	2.36	27	1184
3.17	11	536	2.76	19	864	2.35	28	1192
3.16	11	544	2.75	20	872	2.34	28	1200
3.15	12	552	2.74	20	880	2.33	28	1208
3.14	12	560	2.73	20	888	2.32	28	1216
3.13	12	568	2.72	20	896	2.31	28	1224
3.12	12	576	2.71	20	904	2.30	29	1232
3.11	12	584	2.70	21	912	2.29	29	1240
3.10	13	592	2.69	21	920	2.28	29	1248
3.09	13	600	2.68	21	928	2.27	29	1256
3.08	13	608	2.67	21	936	2.26	29	1264
3.07	13	616	2.66	21	944	2.25	30	1272
3.06	13	624	2.65	22	952	2.24	30	1280
3.05	14	632	2.64	22	960	2.23	30	1288
3.04	14	640	2.63	22	968	2.22	30	1296
3.03	14	648	2.62	22	976	2.21	30	1304
3.02	14	656	2.61	22	984	2.20	31	1312
3.01	14	664	2.60	23	992	2.19	31	1320
3.00	15	672	2.59	23	1000	2.18	31	1328
2.99	15	680	2.58	23	1008	2.17	31	1336
2.98	15	688	2.57	23	1016	2.16	31	1344
2.97	15	696	2.56	23	1024	2.15	32	1352
2.96	15	704	2.55	24	1032	2.14	32	1360
2.95	16	712	2.54	24	1040	2.13	32	1368
2.94	16	720	2.53	24	1048	2.12	32	1376
2.93	16	728	2.52	24	1056	2.11	32	1384
2.92	16	736	2.51	24	1064	2.10	33	1392
2.91	16	744	2.50	25	1072	2.09	33	1400
2.90	17	752	2.49	25	1080	2.08	33	1408
2.89	17	760	2.48	25	1088	2.07	33	1416
2.88	17	768	2.47	25	1096	2.06	33	1424
2.87	17	776	2.46	25	1104	2.05	34	1432
2.86	17	784	2.45	26	1112	2.04	34	1440
2.85	18	792	2.44	26	1120	2.03	34	1448
2.84	18	800	2.43	26	1128	2.02	34	1456
2.83	18	808	2.42	26	1136	2.01	34	1464
2.82	18	816	2.41	26	1144	2.00	35	1472
2.81	18	824	2.40	27	1152	(—) ²		

¹ Students earning grade-point averages above 3.20 are eligible for admission.² Students earning grade-point averages below 2.0 are not eligible for admission.

EDUCATIONAL OPPORTUNITY PROGRAM

The Educational Opportunity Program (E.O.P.) is an admission program which recruits and admits those students who do not meet the standard admissions requirements of the University, but who display the potential to succeed in college. E.O.P. facilitates the enrollment and academic success of the educationally disadvantaged.

Acceptance into the program is based upon an evaluation of the student's past educational experience, letters of recommendation, a personal interview, and an autobiographical sketch. Once admitted into E.O.P., students are provided with supportive services such as tutoring, academic advisement, counseling, and a Learning Lab to maximize their potential for success.

Prospective students who do not meet standard admissions requirements are urged to apply for admission into the Educational Opportunity Program.

ENGLISH PLACEMENT TEST AND GRADUATION REQUIREMENTS

All students subject to degree requirements of 1978-79 and subsequent general catalogs must demonstrate competency in writing skills as a requirement for graduation. In addition, all lower division students (those who enter with fewer than 56 transferable semester units) are required to take the CSUC English Placement Test (EPT) so that information can be available to help in the selection of appropriate course work in writing skills and to prepare for meeting the graduation requirement. For information regarding the Competency in Writing graduation requirement, see page 68. Failure to take the English Placement Test at the earliest opportunity after admission may lead to administrative probation which, according to Section 41300.1 of Title 5, *California Administrative Code*, and CSUC Executive Order 186, may lead to disqualification from further attendance. *The results of the EPT will not affect admissions eligibility.*

Information bulletins and registration materials for the EPT will be mailed to all students subject to these requirements. Alternatively, the materials may be obtained from the Office of Admissions and Records. Information on currently available ways to meet the EPT may be obtained from the Director of the Center for Skills and Assessment.

AUDITORS

A student who wishes only to audit a course instead of enrolling for credit must complete a Statement of Residence issued by the Office of Admissions and Records. Auditors must register in the usual way and pay the same fees as would be charged if the courses were taken for credit. Enrollment as an auditor is subject to the approval of the instructor; a student registered as an auditor may be required to participate in any or all classroom activities at the discretion of the instructor. Credit for courses audited will not subsequently be granted on the basis of the audit. No record of audit appears on the student's permanent record card nor are transcripts issued for audited courses.

EVALUATION OF ACADEMIC RECORDS

Evaluation of Transfer Credits

Previous college work will be evaluated in terms of its relationship to the requirements of California State University Dominguez Hills. All degree candidates will be issued a Certificate of Admission and Evaluation which serves as a basis for determining General Education requirements. The evaluation is official and remains valid as long as the student enrolls in the quarter specified and remains in continuous attendance. If the student is not in continuous attendance, and has not applied for and been granted a formal leave of absence, an evaluation issued upon readmission will specify any changes in requirements. Students who obtain a general education certification from a California Community College will not be required to complete additional general education courses at California State University Dominguez Hills.

Allowance for Transfer Credit

The maximum credit allowed by the Administrative Code when transferring from a community college to a state college or university is 105 quarter units (70 semester units). Upper division credit is not allowed for courses completed at a community college. Transfer credit is not limited to those courses which precisely parallel the courses offered at California State University Dominguez Hills. Transferability of courses is determined by the community college.

Credit for Extension and Correspondence Courses

The University allows transfer credit for appropriate college-level courses completed in extension or by correspondence from accredited colleges or universities and the United States Armed Forces Institute. A maximum of 36 quarter (24 semester) units earned through extension, correspondence, and USAFI may be accepted toward a bachelor's degree.

Credit for Military Service

A total of nine quarter units of lower division elective credit will be granted for one or more years of active military duty with an honorable discharge. A photostatic copy of military separation, DD 214, should be submitted to the Office of Admissions and Records at the time of application for admission.

Advanced Placement

The University grants credit toward its undergraduate degrees for successful completion of examinations in the Advanced Placement Program of the College Entrance Examination Board. Students who present scores of three or better will be granted six semester units (nine quarter units) of college credit.

College Level Examination Program (CLEP)

The University is presently operating under the CLEP credit policy. The minimum standards are as follows:

1. Applicants granted CLEP credit while attending another institution are provided full transfer credit upon evaluation provided the credit is listed by course and units on the incoming transcript.
2. General Examinations
 - A. Student must achieve a minimum passing standard score of 500.
 - B. Elective credit only will be granted for each test completed with the appropriate score.
 - C. Credit for the English General Examination will not be given until the student completes certain other exams administered by the English Department.
3. Subject Examinations
 - A. Student must achieve a minimum passing standard score as determined by the University for each examination.
 - B. Credit will be given only for those examinations determined to be equivalent to Dominguez Hills courses.
 - C. A student shall not receive credit through CLEP for taking a test in a subject more elementary than those already passed.
 - D. A student shall not receive credit for courses through CLEP overlapping with courses already taken.

Credit awarded through CLEP will not count as residence credit. A student may earn up to 45 quarter units through CLEP.

4. Credit is allowed for the following CLEP examinations:

- A. General Examinations

Humanities

Mathematics (1973 edition): both parts

Natural Science

Social Science, History

CSUC English Composition

Test including a CLEP Test *

- B. Subject Examinations

Analysis and Interpretation of Literature

General Psychology

Introductory Sociology **

Biology

College Algebra-Trigonometry

Introductory Calculus (including essay)

Statistics (including essay)

Introductory Economics

Money and Banking

American History

Western Civilization

Computers and Data Processing

Introduction to Business

Management

Introductory Accounting

Introductory Business Law

Introductory Marketing

Credit for Supplemental Transfer Work

In order to receive credit toward a degree for work completed at other colleges or universities subsequent to matriculation at this college, students must have official transcripts forwarded to the Office of Admissions and Records and must file a petition for acceptance of credit.

* English composition requirements can be met by a special CSUC English Composition Test consisting of: (1) CLEP Test in Analysis and Interpretation of Literature, and (2) writing two essays on topics developed by a California State University and Colleges Committee.

** Only to be used to give credit to a student who already has had several sociology courses but for some reason has not had the introductory course and is required to take it to complete the major.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

Several colleges and universities in the greater Los Angeles area host ROTC units and programs which are open to regular students (both men and women) at California State University Dominguez Hills through cross-enrollment arrangements. Academic credits earned in these programs are acceptable as elective credits toward graduation requirements, subject to applicable regulations on transfer credit and concurrent enrollment. Information and referrals may be obtained from the Office of Academic Advising. Two ROTC programs are described below:

Army

The Army Reserve Officers Training Corps (ROTC) program is available to qualified Dominguez Hills students through the UCLA program. Classes are conducted at UCLA and CSU Long Beach.

Four-, three-, and two-year programs leading to a commission as a Second Lieutenant in the U.S. Army Reserve or Regular Army are offered. Participants must be physically qualified full-time students at the undergraduate or graduate level. Courses consist of two academic hours once a week, plus a one-hour leadership laboratory. All students enrolled in the final two years of the program receive an allowance of \$100 per month during the school year.

The *four-year program* consists of the Basic and Advanced Courses. The Basic Course (MS I and MS II) is normally taken in the freshman and sophomore years, with no military obligation. The Advanced Course (MS III and MS IV) covers the final two years, and includes a summer Advanced Camp with pay.

The *three-year program* enables a student with three academic years remaining in college to complete the program by taking two Military Science courses (half courses) per term the first year plus a 1-hour weekly laboratory.

The *two-year program* (Advanced Course only) is available to students who have two years remaining toward a Bachelor or graduate degree. The student attends a six-week Basic Camp (with pay) the summer before enrolling in the Advanced Course, and must apply by March of that year. Camp attendees are under no obligation, and may compete for two-year scholarships during Basic Camp.

Veterans may qualify to enter the Advanced Course without Basic Camp. They are eligible to receive the \$100 per month allowance as well as any GI Bill benefits to which they are entitled.

The *advanced camp* is prerequisite to commissioning; it is conducted at Fort Lewis, Washington, normally between the first and second years of the Advanced Course. The Camp is a six-week summer practicum with emphasis on leadership development. The cadet is paid approximately \$500, plus transportation costs.

Scholarships are available, in addition to the monthly allowance for all Advanced Course students. Scholarship recipients receive full tuition, required fees and books, plus the \$100 monthly allowance for the term of the scholarship. High school seniors must apply by December 1 of the year preceding college entrance for 4-year scholarships. Winners must attend an institution offering the four-year Army ROTC program. Three-, two-, and one-year scholarships are available to students enrolled in Army Senior ROTC; students cross-enrolled while attending Dominguez Hills are eligible.

For further information, contact the Department of Military Science, UCLA.

Air Force

Through arrangements with the University of Southern California (USC), the University of California at Los Angeles (UCLA), and Loyola Marymount University, two, three, and four-year Air Force Reserve Officers Training Corps (AFROTC) programs are available to all qualified students at California State University Dominguez Hills. Academic units earned in this program are counted as elective credits toward graduation. Successful completion of the AFROTC programs lead to a commission as a second lieutenant in the Air Force Reserve. Four-year scholarships must be applied for before December 15 in the calendar year prior to entering college the following fall. Three and two-year scholarships are available to those already in college. All scholarship recipients receive full tuition, required fees and books and \$100 a month. All students enrolled in the final two years of the program receive an allowance of \$100 a month during the school year. Pilot qualified students are provided 25 hours of flying training during their final year in the program. For additional information, contact the Department of Aerospace Studies (AFROTC), University of Southern California, Los Angeles, California 90007, phone (213) 741-2670; the Department of Aerospace Studies, University of California at Los Angeles, Los Angeles, California 90024, phone (213) 825-1742/1743, or the Department of Aerospace Studies, Loyola Marymount University, Los Angeles, California 90045, phone (213) 642-2770.

General Information

The Department of Aerospace Studies offers programs of instruction leading directly to a commission as an officer in the United States Air Force. To obtain this commission, qualified male and female students must successfully pass an aptitude test, a physical examination, complete either program of instruction and concurrently receive or possess an undergraduate degree. Those students who qualify for and plan to enter Air Force Pilot Training will be given flight instruction as part of their last year in the program. Highly qualified students may compete for full-tuition assistance.

Two-Year Program

This program is available to any student having two academic years remaining either at the graduate or undergraduate level. The program consists of a six-week summer field training course followed by two years of Aerospace Studies courses (AS300 and AS400, totaling 18 quarter hours or 12 semester hours). Application for this program should be made in the fall semester preceding the summer field training course.

Four-Year Program

This program consists of 4 years (24 quarter hours or 16 semester hours) of Aerospace Studies courses plus a four-week summer field training course. Enrollment in the first two years of Aerospace Studies (AS100 and AS200) is accomplished in the same manner as in any other course of instruction at USC, UCLA, or LMU. Application to enroll in the last two years (AS300 and AS400) must be made while enrolled in AS200.

The Curriculum

The AFROTC curriculum consists of the following series of courses (semester hours at USC and LMU; quarter hours at UCLA).

- AS100 (freshman year).** These courses examine the role of the Air Force in the contemporary world by studying the total force structure, strategic offensive and defensive forces, general purpose forces, and aerospace support forces (1 hour lecture and 1 hour laboratory per quarter/semester).
- AS200 (sophomore year).** These courses include the study of the development of air power from balloons and dirigibles through the peaceful employment of US power in relief missions and civic action programs in the late 1960s and also the air war in Southeast Asia (1 hour lecture and 1 hour laboratory per quarter/semester).
- AS300 (junior year).** These courses examine military professionalism and existing patterns of civil-military relations; analyze the international and domestic environments affecting US defense policy; examine the post-World War II development of defense strategy and the methods of managing conflict; and study the manifold variables involved in the formulation and implementation of national security policy (3 hours lecture and 1 hour laboratory per quarter/semester).
- AS400 (senior year).** These courses study management from the point of view of the Air Force junior officer. Within this framework the subjects of military leadership and military law have been intergrated. Attention is devoted to the progressive development of communicative skills needed by junior officers (3 hours lecture and 1 hour laboratory per quarter/semester).

Field Training Course

This course is conducted during the summer months at selected Air Force installations within the continental limits of the United States. Successful completion is required to be eligible for a commission. For those students enrolling in the two-year program the summer course is six weeks long and includes study of the academic subjects covered in Aerospace Studies 100 and 200. The six-week camp pays \$524.00. Students enrolled in the four-year program take a four-week summer course, which is normally scheduled between the Aerospace Studies 200 and 300. The four-week camp pays \$322.00.

PLANNED EDUCATIONAL LEAVE PROGRAM

A Planned Educational Leave is defined as a planned interruption or temporary cessation of a student's formal education in which the student voluntarily and temporarily ceases enrollment at California State University Dominguez Hills while pursuing other educationally related activities to enrich his/her academic program or to clarify educational goals. The Leave may be used for any number of educationally related activities including travel, independent study, work study, or attendance at another institution. The intent of the program is to make it possible for a student to suspend academic work, leave the campus, and later resume studies with a minimum of procedural difficulty.

1. *Eligibility*

Any registered student, undergraduate or classified graduate, in good academic standing, is eligible for the Planned Student Leave Program.

2. *Application Procedures*

- a. Any student may request an educational leave. The petition shall include an explanation of the student's reasons for seeking an educational leave and when he/she intends to resume academic work.
- b. The request shall be initiated by the student and reviewed by the Director of Admissions. If the request is approved, the Director of Admissions shall take steps to insure the student's re-entry and retention of registration priority, and the appropriate entry in the student's academic record.
- c. The request shall be approved only after contractual agreements (e.g., financial aids) have been satisfactorily terminated or renegotiated.
- d. Planned Educational Leaves may begin at any time. However, if a student chooses to begin a leave during the quarter, any work in progress is subject to all normal academic regulations.
- e. A Planned Educational Leave may not be granted retroactively.
- f. Students whose planned leaves will take them out of California are advised to consult the Director of Admissions regarding residency requirements.

3. *Duration of Leave*

The minimum leave shall be two full quarters; the maximum, two calendar years.

4. *Fees*

Students returning upon conclusion of approved planned leaves shall be required to submit an application for readmission but shall not be required to pay another application fee.

5. *Availability of Services*

A student on Planned Educational Leave shall be expected to devote his/her leave period to off-campus activities. The student shall be classified as "on leave" and shall not be considered a regularly enrolled student. Therefore, the student is not entitled to the campus services normally provided to enrolled students, except that the student may confer with his/her academic advisor and others regarding leave activity and plans for reenrollment.

6. *Resumption of Formal Education*

A student shall be guaranteed re-entry and retention of registration priority at the conclusion of his or her Planned Educational Leave. Every effort shall be made to facilitate and simplify the return. For purposes of election of graduation requirements, the approved leave shall not constitute an interruption of attendance. Students who fail to resume studies at the pre-arranged time shall forfeit the advantages of the Planned Educational Leave Program.

7. *Student Record Entry*

Each student enrolled in the program will have an entry made on his/her permanent Record card indicating that the student is on leave. The dates of the beginning and conclusion of the leave will also be recorded.

8. *Academic Credit*

Students must obtain prior approval of the Director of Admissions to enroll for credit at another institution of higher education. Any credit earned will be treated as transfer credit to be evaluated and entered in student records in the customary manner.

9. *Compliance*

Any student on planned leave who does not comply with all provisions of this policy and the conditions of the leave is subject to forfeiture of the advantages of this program.

SUMMER SESSION

A summer session is conducted by the University. Students registering for credit courses are not required to file an Application for Admission or transcripts. However, students must be high school graduates and are expected to have satisfied prerequisites for the courses in which they register. Admission to the summer session does not grant admission to a regular quarter.

APPLYING FOR ADMISSION

1. Submit completed Application for Admission, showing social security number, with the Residence Questionnaire and \$20 non-refundable, non-transferable application fee.
2. Have the high school of graduation send directly to the University a transcript of record if you are a new freshman or transfer student with fewer than 56 transferable semester units completed.
3. Have each college (if any) send directly to the University a transcript of record.
4. Submit ACT or SAT scores if you are a new freshman or transfer student with fewer than 56 transferable semester units completed.

Application Fee

Every applicant for admission or readmission, except as noted below, is required to pay a non-refundable, non-transferable fee of \$20 each time an application is filed. Remittance by bank draft or money order payable to California State University Dominguez Hills should be attached to the application. No application may be processed until the fee has been received unless the applicant qualifies for a fee waiver.

Students returning after an absence of not more than two quarters are considered continuing students and are not required to file an application and pay the fee unless they have attended another institution during their absence.

Residence Questionnaire

A Residence Questionnaire indicating status of California residence must be completed at the time of filing application for admission to the University. The form is attached to the application for admission. Students in continuous residence are not required to complete a Residence Questionnaire after the initial filing. Any interruption in attendance requires a new Residence Questionnaire upon re-entrance. Students are held responsible for reporting any change in residence status to the Office of Admissions and Records.

DETERMINATION OF RESIDENCE FOR NONRESIDENCE TUITION PURPOSES

New and returning students of The California State University and Colleges are classified for the purpose of determining the residence of each student for nonresident tuition purposes. The Residence Questionnaire and, if necessary, other evidence furnished by the student is used in making these determinations. A student may not register and enroll in classes until his/her Residence Questionnaire has been received by the Admissions Office.

The following statement of the rules regarding residency determination for nonresident tuition purposes is not a complete discussion of the law, but a summary of the principal rules and their exceptions. The laws governing residence determination for tuition purposes by the California State University and Colleges are found in *Education Code* Sections 68000-68090, 90403, 89705-89705.5, 68122, 68124 and 68121, and in Title 5 of the *California Administrative Code*, Article 4 (commencing with Section 41901) of Subchapter 5 of Chapter 1, Part V. A copy of the statutes and regulations is available for inspection at the campus Admissions Office.

Legal residence may be established by an adult who is physically present in the state while, at the same time, intending to make California his permanent home. Steps must be taken at least one year prior to residence determination date to evidence the intent to make California the permanent home with concurrent relinquishment of the prior legal residence. Some of the relevant indicia of an intention to establish and maintain California residence may be established by registering to vote and voting in elections in California; satisfying resident California state income tax obligations on total income; ownership of residential property or continuous occupancy or letting of an apartment on a lease basis where one's permanent belongings are kept; maintaining active resident memberships in California professional or social organizations; maintaining California vehicle plates and operator's license; maintaining active savings and checking accounts in California if one is in the military service, etc.

The student who is within the state for educational purposes only does not gain the status of resident regardless of the length of his/her stay in California.

In general, the unmarried minor (a person under 18 years of age) derives legal residence from his/her parents, or, in the case of permanent separation of the parents, from the parent with whom the minor maintains his/her place of abode. The residence of a minor cannot be changed by act of the minor or that of the minor's guardian, so long as the minor's parents are living.

A man or woman may establish his or her residence; marriage is not a governing factor.

The general rule is that a student must have been a California resident for at least one year immediately preceding the residence determination date in order to qualify as a "resident student" for tuition purposes. A residence determination date is set for each academic term and is the date from which residence is determined for that term. The residence determination dates for the 1979-80 academic year are:

Fall 1979	September 20, 1979
Winter 1980	January 5, 1980
Spring 1980	April 1, 1980

If you have any questions concerning the applicable date, the campus Admissions Office can give you the residence determination date for the term for which you are registering.

There are several exceptions for nonresident tuition. Some of the exceptions provide for:

1. Persons below the age of 19 whose parents were residents of California but who left the state while the student was still a minor. When the minor reaches age 18, the

exception continues for one year to enable the student to qualify as a resident student.

2. Persons below the age of 19 who have been present in California for more than a year before the residence determination date, and entirely self-supporting for that period of time.
3. Persons below the age of 19 who have lived with and been under the continuous direct care and control of an adult, not a parent, for the two years immediately preceding the residence determination date. Such adult must have been a California resident for the most recent year.
4. Dependent children and spouses of persons in active military service stationed in California on the residence determination date. This exception applies only for the minimum time required for the student to obtain California residence and maintain that residence for a year. The exception is not affected by transfer of the military person directly to a post outside the 50 states and District of Columbia.
5. Military personnel in active service stationed in California on the residence determination date for purposes other than education at state-supported institutions of higher education. This exception applies only for the minimum time required for the student to obtain California residence and maintain that residence for a year.
6. A student who is an adult alien is entitled to residence classification if the student has been lawfully admitted to the United States for permanent residence in accordance with all applicable provisions of the laws of the United States, provided, however, that the student has had residence in California for more than one year after such admission prior to the residence determination date. A student who is a minor alien shall be entitled to residence classification if both the student and the parent from whom residence is derived have been lawfully admitted to the United States for permanent residence in accordance with all applicable laws of the United States, provided that the parent has had residence in California for more than one year after acquiring such permanent residence prior to the residence determination date of the term for which the student proposed to attend the University.
7. Certain refugees. Certain alien graduates of California public high schools.
8. Certain credentialed, full-time employees of school districts.
9. Full-time State University and Colleges employees and their children and spouses. This exception applies only for the minimum time required for the student to obtain California residence and maintain that residence for a year.
10. Certain exchange students.
11. Children of deceased public law enforcement or fire suppression employees, who were California residents, and who were killed in the course of law enforcement or fire suppression duties.
12. A person in continuous full-time attendance at an institution who had resident classification on May 1, 1973, shall not lose such classification as a result of adoption of the uniform student residency law on which this statement is based, until the attainment of the degree for which currently enrolled.

Any student, following a final decision on campus on his/her residence classification, only may make written appeal to The California State University and Colleges, Office of General Counsel, 400 Golden Shore Drive, Long Beach, CA 90802 within 120 calendar days of notification of the final decision on campus of his/her classification. The Office of General Counsel may make a decision on the issue, or it may send the matter back to the institution with instructions for a further review on campus. Students classified incorrectly as residents or incorrectly granted an exception from nonresident tuition are subject to reclassification as nonresidents and payment of nonresident tuition in arrears. If incorrect classification results from false or concealed facts, the student is subject to discipline pursuant to Section 41301 of Title 5 of the *California Administrative Code*.

Resident students who become nonresidents, and nonresident students qualifying for exceptions whose basis for so qualifying changes, must immediately notify the Admissions Office. Applications for a change in classification with respect to a previous term are not accepted.

The student is cautioned that this summation of rules regarding residency determination is by no means a complete explanation of their meaning. The student should also note that changes may have been made in the rate of nonresident tuition, in the statutes, and in the regulations between the time this catalog is published and the relevant residence determination date.

Requirement and Use of Social Security Number

Applicants are required to include their social security number in designated places on applications for admission pursuant to the authority contained in Title 5, *California Administrative Code*, Section 41201. The social security number will be used as a means of identifying records pertaining to the student as well as identifying the student for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution.

TRANSCRIPT REQUIREMENTS FOR ADMISSION

Undergraduate Admissions

1. Official transcripts are required from *all* institutions attended, including extension and correspondence courses, even if withdrawal occurred prior to the completion of the course(s).

An applicant disregarding this regulation is subject to disciplinary action and will have the application for admission cancelled.

2. Schools and colleges will send transcripts only upon the request of the student. The responsibility for insuring that official transcripts reach the Office of Admissions and Records rests with the applicant.
3. When ordering transcripts, the request should be addressed to the Records Office at the particular institution. Most institutions require a fee for sending transcripts.
4. All transcripts submitted become the property of this University. Students are required to have their own personal set of transcripts from all institutions attended for advisement. The Admissions Office will not provide copies.
5. A transcript is official if it is sent directly from the school of origin to the Office of Admissions and Records at this University and bears the official seal of the school of origin and the signature of the Records Custodian.

A transcript hand-carried by the applicant from the institution or origin in an envelope sealed by the issuing institution, may be accepted as official.

A transcript bearing the College seal is not official unless it meets the above guidelines.
6. Undergraduate applicants with less than 56 transferable semester (84 quarter) units completed must also file an official high school transcript showing grades earned during the last three years of high school.

First-Time Freshmen Applicants

1. If the applicant is enrolled in his/her last semester of high school, he/she must file a transcript showing all work completed to date. After high school graduation, a final transcript must be filed.
2. An applicant who has graduated from high school but has not attended a college or university must file an official transcript showing grades earned during the last three years of high school.

ENTRANCE EXAMINATIONS

All new freshman and transfer students with fewer than 56 transferable semester units completed who apply for admission to California State University Dominguez Hills for the first time are required to submit scores of either the College Entrance Examination Board Scholastic Aptitude Test (SAT) or the American College Test (ACT). The test must be taken after the completion of the eleventh grade.

Registration forms for either test may be obtained from high school and community college counselors, State University or Colleges testing offices, or directly from the testing service at the address below:

SAT	ACT
College Entrance Examination Board Box 1025 Berkeley, California 94770	Registration Unit P.O. Box 168 Iowa City, Iowa 52240
<i>Dates Test Given:</i>	<i>Dates Test Given:</i>
October 13, 1979	October 20, 1979
November 3, 1979	December 8, 1979
December 1, 1979	February 16, 1980
January 26, 1980	April 12, 1980
March 22, 1980	June 14, 1980
May 3, 1980	
June 7, 1980	

For both the ACT and SAT test dates, the registration deadline is approximately one month before the date of administration. ACT and SAT registration packets may be obtained from the Center for Skills and Assessment or the University Service and Information Center.

Early admissions testing is necessary for the processing of an application for admission for any academic quarter. Examination appointments for prospective freshmen must be scheduled early in the seventh semester of the high school year.

Each student must request that his/her test results be transmitted to the Office of Admission and Records of California State University Dominguez Hills. The University code number for ACT is 0203; for SAT, 4098.

NOTIFICATION OF ELIGIBILITY

So that students may be informed as early as possible about eligibility, they are urged to apply early in the application period and to promptly request, when notified by the University to do so, that supporting documents (transcripts and test scores) be sent to the Office of Admissions and Records. The time between receipt of an application by the Office of Admissions and Records and notification to the applicant of his/her eligibility will vary.

Early notification will be provided those freshman applicants who can establish their eligibility prior to high school graduation. Other freshman applicants should not expect notification until at least four weeks after final transcripts and test scores reach the Office of Admissions and Records.

Transfer students applying for admission in advanced standing may expect notification about four weeks after final transcripts have been received. Transcripts are to include all college work completed to date. If currently enrolled, a work-in-progress report is required.

HEALTH EXAMINATION

A medical history form, sent to students upon admission, should be filed with the Student Health Center before registration.

CANCELLATION OF ADMISSION

Admission to the University is for a specific quarter. A student who does not register for that quarter will have his admission cancelled. When seeking admission at a future date, the student must file a new application form, follow the complete application procedure, and meet the current admission requirements. Transcripts on file will be retained for two years.

FEES

SCHEDULE OF FEES

Legal residents of the State of California are not charged tuition when attending any of the State Colleges and Universities. All students must pay the other fees shown below. Students auditing classes are required to pay the same fees as students that register for credit. All fees are subject to change by the Trustees of the California State Universities and Colleges without advance notice. However, no fees of any kind shall be required of or collected from those individuals who qualify for such exemption under provisions of the Alan Pattee Scholarship Act.

Payment of fees is a normal part of the registration process and are due and payable at that time. Admittance to classes may be withheld from students who fail to satisfy this requirement.

APPLICATION FOR ADMISSION TO THE UNIVERSITY

Application fee (non-refundable) payable by cash, check, or money order at time of applying \$20.00

FEES REQUIRED AT REGISTRATION (PER QUARTER)

Student Services Fee

1.0 through 6.0 units 40.00
6.1 or more units 50.00

Student Activity Fee

Students enrolling for 6 or less units 3.50
Students enrolling for more than 6 units
Fall Quarter 10.00
Winter and Spring Quarters 5.00

Student Center Fee

Students enrolling for 6 or less units 3.50
Students enrolling for more than 6 units:
Fall Quarter 10.00
Winter and Spring Quarters 5.00

Facilities Fee

All students 2.00

Instructionally Related Activities Fee

(Fall, \$4; Winter, \$3; Spring, \$3) 10.00

Non-Resident Tuition Fee (in addition to the other Registration fees)

U.S. Citizens

Per unit or fraction thereof—less than 15 units 40.00
Maximum charge—15 units or more 600.00
Per academic year 1800.00

Foreign-Visa Students (Students who are citizens and residents of a foreign country)

Per unit or fraction thereof 40.00
Maximum charge—15 units or more 600.00
Per academic year 1800.00

Parking Fees

All students (Per Quarter)	12.00
Two-wheeled motorized vehicles	3.00
Car pool permit	12.00
Annual permit (Summer period; Fall, Wtr., Spr., Quarters)	48.00
Summer Session (Six Week)	7.00
(Four Weeks)	5.00

Other Fees

Materials fees (of \$5 or \$10) are charged for certain classes in Art, Music, and Physical Education. The classes are indicated, and footnoted, in the respective baccalaureate course offerings.

Identification Card (one time for each student)	2.00
Late Registration (assessed the day instruction begins)	5.00
Failure to meet administratively required time limit or appointment	2.00
Check returned for any cause	10.00
Items lost or broken	Cost
Transcript of Record (per copy)	1.00
Library fines—A detailed list of library overdue fines is posted at the entrance to the library.	
Lost books and other library items	Replacement cost + posted service charge
Graduation/Diploma fee	10.00

A non-resident student who is a citizen and resident of a foreign country and not a citizen of the United States may pay the required non-resident tuition fee on an installment basis. This is limited to two equal installments.

The first installment shall be due 30 days following the end of late registration or the deadline for payment of registration fees by resident students; the second installment shall be due 30 days following the first installment. A 10% service charge will be added to each installment payment to cover the cost of handling.

Foreign students as defined above shall pay all registration fees required of resident students by the same date as required for resident students.

REFUND OF FEES

Refunds are not automatic. Applications for refund of fees can be obtained from the staff of the Student Information and Service Center and must be filed in the Office of Admissions and Records within the time limits specified. Applications received by the Registrar on or before the first day of instruction of each quarter are considered as having an effective date of the first day of instruction of that quarter.

Penalty fees (unless collected in error), the Late Registration Fee, and Identification Card Fee are not refundable.

Fees may be refunded only as authorized by Sections 41802, 41803, and 41913 of Title 5, *California Administrative Code*. Whether a fee may be refunded and the circumstances under which a fee or any part of a fee may be refunded, vary depending on the particular fee involved. Requirements governing refund may include such matters as the reason for seeking a refund (for example, death, disability, compulsory military service), the number of days of instruction which

have elapsed before application for refund is made (for example, requests for refund of student service fees, student body organization fees, and student body center fees must be made no later than 14 days following the commencement of instruction and requests for refund of extension course tuition fees must be made prior to the fourth meeting of the class), and the degree to which the campus has provided the services for which the fee has been charged. Details concerning the fees which may be refunded, the circumstances under which fees may be refunded, and the appropriate procedure to be followed in seeking a refund may be obtained from the University Information and Service Center. In addition, any debt owed to the University by an individual student may be subtracted from the refund due.

Fees Which May Be Refunded

1. The student services fee, the student body organization fee, and student body center fee upon complete withdrawal from the campus, except that five dollars (\$5) shall be retained from the student services fee to cover the cost of registration.
2. The difference between the two applicable student service fees, less five dollars (\$5), if the unit load of the student is reduced to a lower fee category not later than 14 days following the day of the term when instruction begins.

Applications for refunds of fees must be filed with the Registrar not later than 14 days following the day of the term when instruction begins. In some cases, refunds may be filed and honored after the 14 days when founded on inability to continue a course because of campus regulation, compulsory military service, death or disability. Documentation must accompany the request.

Non-Resident and Foreign Tuition Fee

If the refund petition is filed with the Registrar before or during the first week of the quarter, 100% of the tuition fee will be refunded; during the second week of the quarter, 75%; during the third week of the quarter, 50%; during the fourth week of the quarter, 25%.

THE STUDENT SERVICES FEE

A Student Services Fee was established by the Board of Trustees of The California State University and Colleges in January 1975. Previously, this fee was known as the Materials and Service Fee.

The student services fee provides financing for the following student services programs not covered by state funding:

1. Social and Cultural Development Activities: provides for the coordination of various student activities, student organizations, student government, and cultural programs.
2. Counseling: includes the cost of counselors' salaries and clerical support plus operating expenses and equipment.
3. Testing: covers the cost of test officers, psychometrists, clerical support, operating expenses, and equipment.
4. Placement: provides career information to students and faculty for academic program planning and employment information to graduates and students.

5. Financial Aids Administration: includes the cost of the counseling and business services provided in connection with the financial aid programs.
6. Health Services: provides health services to students and covers the cost of salaries of medical officers and nurses plus related clerical and technical personnel as well as operating expenses and equipment.
7. Housing: includes the cost of personnel providing student housing information and monitoring housing services.
8. Student Services Administration: covers 50% of the cost of the Dean of Students Office which has responsibility for the overall administration of student services.

DEBTS OWED TO THE UNIVERSITY

Should a student or former student fail to pay a debt owed to the institution, the institution may "withhold permission to register, to use facilities for which a fee is authorized to be charged, to receive services, materials, food or merchandise or any combination of the above from any person owing a debt" until the debt is paid (see Title 5, *California Administrative Code*, Sections 42380 and 42381). For example, the institution may withhold such a service as furnishing copies of a student's transcript. Outstanding debts owed to the University by a student may also be subtracted from any refund due. If a student believes that he or she does not owe all or part of an unpaid obligation, the student should contact the campus business office. The business office, or another office on campus to which the student may be referred by the business office, will receive the pertinent information, including information the student may wish to present, and will advise the student of its conclusions with respect to the debt.

ALAN PATTEE SCHOLARSHIPS

Children of deceased public law enforcement or fire suppression employees, who were California residents and who were killed in the course of law enforcement or fire suppression duties, are not charged fees or tuition of any kind at any California State University or College, according to the Alan Pattee Scholarship Act, *Education Code* Section 68121. Students qualifying for these benefits are known as Alan Pattee scholars. For further information contact the Admissions/Registrars' Office, which determines eligibility.

UNIVERSITY REQUIREMENTS FOR THE BACHELOR'S DEGREE

UNDERGRADUATE DEGREE PROGRAMS

The University offers the Bachelor of Arts and the Bachelor of Science degrees in the majors listed below:

Afro-American Studies (B.A.)	Liberal Studies (B.A.)
Anthropology (B.A.)	Mathematics (B.A.)
Art (B.A.)	Medical Technology (B.S.)
Behavioral Sciences (B.A.)	Mexican American Studies (B.A.)
Biological Science (B.A.)	Music (B.A.)
Business Administration (B.S.)	Philosophy (B.A.)
Chemistry (B.A.) (B.S.)	Physical Education (B.A.)
Communications (B.A.)	Physics (B.A.)
Computer Science (B.S.)	Political Science (B.A.)
Economics (B.A.)	Psychology (B.A.)
English (B.A.)	Public Administration (B.S.)
French (B.A.)	Recreation (B.A.)
Geography (B.A.)	Small College (B.A.)
Health Science (B.S.)	Sociology (B.A.)
History (B.A.)	Spanish (B.A.)
Human Services (B.A.)	Special Major (B.A./B.S.)
Industrial Management (B.S.)	Theatre Arts (B.A.)
Labor Studies (B.A.)	

Students seeking a baccalaureate degree from the University must complete specific requirements as determined by the Trustees of the California State University and Colleges: the California Administrative Code, Title 5; and, California State University Dominguez Hills.

Briefly summarized, the college-wide requirements include all of the following:

1. Completion of 186 quarter units of credit.
2. Completion of General Education (60 quarter units).
3. Satisfaction of statutory requirements in American history and government by completing courses History 101 or examination and Political Science 101 or examination.
4. Satisfaction of examination or course to demonstrate competency in writing. (Refer to page 68 for specific options available in meeting this graduation requirement.)
5. Completion of one of the following: a Major and a Minor; or a Major in one of the eight designated Single Fields; or a Double Major. This requirement also can be satisfied through the Areas of Concentration in the Small College combined with a Thematic Project, a Minor, or another Major. Specifications for each field are outlined under their appropriate headings elsewhere in this catalog.
6. Completion of elective courses (beyond the requirements in 2, 3, and 4 above) to reach the total of 186 quarter units of credit.

UNITS

Total Units

A minimum of 186 quarter units is required for the bachelor's degree.

Upper Division Units

A minimum of 60 quarter units of upper division credit must be completed.

Resident Units

1. A minimum of 45 quarter units must be completed in residence at California State University Dominguez Hills, of which 36 shall be earned in upper division courses and 24 units shall be in the major.
2. Extension credit or credit by examination may not be used to fulfill the minimum residence requirement.
3. Credit received in summer session at California State University Dominguez Hills may be counted as residence credit.

SCHOLARSHIP

A minimum grade point average of 2.0 is required for:

1. All units attempted at California State University Dominguez Hills;
2. All units attempted (combination of California State University Dominguez Hills units and transfer units);
3. All units attempted for the major or minor; or
4. All units attempted for the major in a single field.
5. All units attempted for the double major.

AMERICAN HISTORY AND INSTITUTIONS

To qualify for graduation, each student shall demonstrate knowledge of the Constitution of the United States and American history, including the study of American institutions and ideals, and the principles of state and local government established under the Constitution of the State of California.

These statutory requirements may be satisfied by completion of Political Science 101, American Institutions, and History 101, American Institutions, or by passing comprehensive examinations on each of these fields. Students transferring from other colleges who have not already met one or more of these requirements may take examinations in only those parts not met. Students transferring from other accredited institutions of collegiate grade who have already met these requirements shall not be required to take further courses or examinations therein.

COMPETENCY IN WRITING

Students reaching junior status (90 quarter units) as of the beginning of the Fall Quarter 1979, and thereafter, are required to satisfy the competency in writing requirement through one of the following options: *

- A. *Voluntary Testing.* A test, for which a fee will be charged, is available to students at regularly scheduled intervals. Students wishing to pursue this option are encouraged to take the test early in their junior year. Students are allowed to take the test only twice.

* Not all of the options will be available in Fall Quarter, 1979.

- B. *Advanced Composition Courses (offered by the English Department or by the Small College)*. The English Department regularly offers two types of advanced composition courses: a general purpose advanced composition course (English 250), and one suited to the particular needs of majors in the School of Management (English 252). On occasion the Small College offers advanced writing courses.
- C. *Upper Division Writing Adjunct*. The Writing Adjunct (SMC 107), currently offered by the Small College, is a structure for providing individualized instruction in composition that is adjunctive to study in another subject area.
- D. *Upper Division Courses (offered by Departments other than English)*. Some departments presently offer courses which, though not solely composition courses, stress instruction in writing, require frequent writing assignments, and provide regular response to students about their writing.

A list of courses meeting this requirement, approved by the University Composition Committee, and further information may be secured from the Coordinator of the Committee, through the Office of the Dean, University College.

GENERAL EDUCATION

Completion of a minimum of 60 quarter units in General Education, as specified in The California Administrative Code, Title V, is required of all students graduating from California State University Dominguez Hills.

The flexible design of the academic program makes it possible for each student to select courses which meet his personal goals. Courses used to fulfill requirements in General Education may not be used to fulfill major course requirements, except as specified in the Liberal Studies major.

Offerings are in the Humanities and Fine Arts, the Social and Behavioral Sciences, and the Natural Sciences and Mathematics.

General Education Courses

I. Natural Sciences and Mathematics

Select *one* course:

- Biological Science 102
- Biological Science 110
- Earth and Marine Sciences 150

Select *one* course:

- Chemistry 102
- Chemistry 108
- Chemistry 110
- Physics 101
- Physics 110
- Physics 120

II. Social and Behavioral Sciences

Select *two* courses:

- Anthropology 100
- Economics 100
- Geography 100
- History 100
- Political Science 100
- Psychology 100
- Sociology 100

(Continued on the following page)

III. Humanities and Fine Arts

Select *two* courses (each one from a different field):

- Art 101
- Art 102
- Art 103
- East Asian Studies 101
- English 130
- Foreign Language: any lower division course
- Music 100
- Philosophy 100
- Philosophy 101
- Philosophy 102
- Philosophy 104
- Theatre Arts 190

IV. Basic Subjects

Required courses:

- English 100 *or* two Writing Adjuncts (SMC 107)
- English 101 *or* two Writing Adjuncts (SMC 107)

Select *one* course:

- Computer Science 160
- Mathematics 100
- Mathematics 102
- Mathematics 110
- Mathematics 150
- Philosophy 120

V. General Electives

Courses to complete the 60 quarter units minimum shall be selected from courses in categories I through IV not already used and/or the following elective courses:

- Anthropology 111
- Anthropology 112
- Biological Science 112 *or* 114
- Biological Science 120
- Chemistry 112
- Earth and Marine Sciences 152
- Economics 110
- Economics 111
- Geography 111
- Geography 112
- History 110
- History 111
- Mathematics 104
- Mathematics 112
- Political Science 110
- Physics 112 *or* 114
- Physics 122
- Physics 160
- Recreation 100

(Continued on the following page)

VI. Statutory Requirements

In addition to the General Education requirements students must also satisfy the statutory requirements in United States history and government by completing the following:

History 101 *or* examination

and

Political Science 101 *or* examination

Certification

Accredited junior colleges and four-year colleges may certify that all or part of the general education requirements have been met. Transfer students with complete certification of Title V requirements will not be required to complete additional courses in general education.

A MAJOR AND A MINOR

A student selecting the major/minor program must satisfy the requirement for a major and a minor field as designated in the respective program sections of this catalog. In each major or minor field a grade point average of C or better is required.

MAJOR AND MINOR IN THE SAME FIELD

No student is permitted to declare a major and minor in the same field, with the exception of the following:

1. any combination of major and minor in Art, such that the title of the major and minor are not the same (i.e., an Art History major and Studio Art minor would be permissible)
2. a Biological Science major and a Microbiology minor; the policy does not apply to the Biological Science: Option I/Option II minor.
3. a Mathematics major and a minor in Statistics or Actuarial Studies.
4. a Psychobiology minor can major in either Psychology or Biology.
5. a Recreation minor and a Physical Education major.
6. a Recreation major and a Physical Education minor.

A MAJOR IN A SINGLE FIELD

Students who select a major in one of the eight fields designated—Business Administration, Chemistry (B.S.), Health Science (Clinical Health Option), Human Services, Industrial Management, Liberal Studies, Medical Technology, or Public Administration—are required to satisfy the requirements listed for that field. A grade point average of C or better is required. *Note: if a student completes a major in a Single Field, no minor is required toward completion of the degree.*

DOUBLE MAJOR OR MINOR

A student may complete an additional major or minor within a single degree program. Units used to satisfy the requirements for an additional major or minor cannot have been used in the first major or minor. The student shall declare the second major or minor at the time the Application for Graduation is filed, and have the appropriate advisement form submitted. The completion of an addi-

(Continued on the following page)

tional major or minor will be noted on the academic record, as well as on the student's diploma. In no case will a student be awarded two diplomas or two degrees at the same time. *Note: If a student completes the double major, no minor is required toward completion of the degree.*

A MAJOR IN THE SMALL COLLEGE

A student may choose to pursue a Major in the Small College in one of the Areas of Concentration. The student will additionally have to complete a Thematic Project, a Minor, or a second major.

SPECIAL MAJOR

The University offers a special major at both the undergraduate and graduate level. A student seeking this degree has the opportunity to engage in individualized courses of study when appropriate academic and professional goals are not accommodated by standard campus degree programs. For further information on the undergraduate Special Major, refer to page 352; for further information on the graduate Special Major, refer to page 459.

ELECTIVES

After the General Education course requirements and the major-minor course requirements are completed, additional courses as elective units are required to complete the minimum 186-unit requirement for graduation.

Electives chosen by the student to complete the minimum requirements for graduation may be selected to broaden general education and avocational interests. Small College courses may be used by all students in meeting the requirements for electives toward the bachelor's degree.

CONCURRENT COURSE SCHEDULING

No student is permitted to enroll in two or more courses concurrently within any given academic quarter.

SECOND BACCALAUREATE DEGREES

A student may elect either a regular major or a single field major. No minor is required. The following specific requirements must be met:

1. Have a bachelor's degree from an accredited institution prior to commencing work towards a second bachelor's degree.
2. Complete the requirements for a major in a discipline other than that in which a previous degree was earned. Units from the first degree may not be counted. However, specific courses required for the second baccalaureate may be waived by the department chairperson if the content has been covered by courses in the first baccalaureate, but the total number of units required for the second baccalaureate cannot be reduced; a student, in consultation with the department chairperson, must find substitute courses within the discipline or closely related disciplines.
3. Receive program approval from the major department. The courses used to satisfy the requirements of the second baccalaureate must be agreed upon in writing by the department chairperson and kept on file in the department office before 20 units have been completed.
4. Complete a minimum of 45 quarter units in residence.
5. Maintain at least a 2.0 grade point average in all courses taken for the degree.
6. Students who earn a second baccalaureate are not eligible for graduation with honors.

REQUIREMENTS UNDER WHICH A STUDENT GRADUATES

A student in continuous attendance in regular quarters and continuing in the same major may, for purposes of graduation requirements, elect to meet the graduation requirements in effect either at the time of his entering the college or at the time of his graduating therefrom. If the student interrupts his attendance, he will then have to satisfy the catalog requirements in effect at the time of his readmission or his graduating therefrom.

Continuous attendance is defined as no interruption in enrollment since the student's first registration in a California community college, in the State College, or in any combination of California community colleges and State Colleges.

APPROVED PROGRAM OF STUDIES

A student should declare his major at the beginning of his junior year (upon completion of 90 quarter units) by completing the major and/or minor advisement forms. These forms may be obtained from the faculty advisors.

APPLICATION FOR GRADUATION

An undergraduate must file a Candidacy for Bachelor's Degree Card as well as advisement forms during the first week of instruction in the quarter prior to the quarter in which he/she intends to graduate, so that a graduation evaluation may be prepared.

Application for graduation must be filed in accordance with the following schedule:

File first week of Fall Quarter for Graduation at the end of Winter Quarter.

File first week of Winter Quarter for graduation at the end of Spring Quarter.

File first week of Spring Quarter for graduation at the end of Summer Quarter.

File first week of Spring Quarter for graduation at the end of Fall Quarter.

Failure to file for graduation according to the schedule indicated will result in the application being transferred to a subsequent quarter.

If a student does not complete all graduation requirements by the end of the quarter for which he/she files, the Graduation Office must be notified of the new term when the student plans to graduate.

The original graduation check is valid as long as the student remains in continuous attendance and completes the program under the originally stated catalog year.

FACULTY APPROVAL

Formal approval by the faculty of the University is required in order for a degree to be awarded.



ACADEMIC REGULATIONS

ACADEMIC ADVISEMENT

Information concerning the academic programs of California State University Dominguez Hills may be obtained from Dr. Garry Hart, SC A130, phone 515-3696, or the appropriate academic department. This information may include:

1. The current degree programs and other educational and training programs;
2. The instructional, laboratory, and other physical plant facilities which relate to the academic program;
3. The faculty and other instructional personnel; and
4. Data regarding student retention at California State University Dominguez Hills and, if available, the number and percentage of students completing the program in which the student is enrolled or expresses interest.

Office of Academic Advising

The Office of Academic Advising is a resource for obtaining information so that students may make informed decisions about their course of study at the University. It coordinates services which are designed to enable students to make optimum use of resources of this campus. The Office of Academic Advising is located in the University Information and Service Center, SC A-130.

School Coordinator of Advisement

In addition to departmental advisors, each School has a faculty member designated as School Coordinator of Advisement. Any student having difficulty obtaining a departmental advisor, or having problems with the various procedures of the University, should contact the appropriate School Coordinator of Advisement. The School Coordinators of Advisement and the Office of Academic Advisement are the primary resources for students needing help with the academic regulations of this campus.

Admissions Advising

The Admissions advisors in the University Information and Service Center will aid students with the application process. Questions about admissions requirements, transfer of previous coursework, application deadlines, and other parts of the application process should be directed to this office. Each quarter there are Orientation and General Advisement meetings during registration. A new student should attend one of these meetings before attempting to register for classes.

Undeclared Majors

Students who have not yet selected an academic major should obtain advisement concerning their course programs in the Office of Academic Advising. This office serves as the "home" for all undeclared undergraduate students. Transfer students should bring their Certificate of Admission and Evaluation as well as previous transcripts with them when seeking advisement. Students should carefully check the lower division requirements of potential majors, and take these courses, so that later a particular major will not be precluded or graduation delayed due to unmet lower division requirements.

General Education and Elective Courses

Students who have questions about General Education requirements should seek help from either their departmental advisor or the Office of Academic Advising. After finishing General Education requirements, major requirements, and minor requirements, if needed, most students will find that they still need additional courses in order to graduate. Questions concerning these elective courses should be referred either to the departmental advisors or the Office of Academic Advising.

Declared Majors/Minors

Students who have decided upon their major/minor should contact the departmental office of their major/minor in order to obtain an advisor and establish a program. Students should bring transcripts of previous college work as well as the Certificate of Admission and Evaluation when meeting with their departmental advisor. In addition, students should verify the accuracy of their major/minor information during the registration process.

Departmental Advisors

Faculty members from the departments serve as advisors for students. Faculty advisors are available throughout the year and students are urged to meet with their advisor at least once each quarter in addition to whatever meetings are required at registration. If a meeting to establish a course program is to have maximum benefit, the student should review the appropriate sections of the catalog, obtain a class schedule, and bring transcripts of previous college work and the Certificate of Admission and Evaluation. To obtain an appointment with a departmental advisor, students should contact the appropriate department.

Required Meeting with Advisor

There are three occasions when a meeting with a departmental advisor is necessary in order to register:

1. Upon first entering California State University Dominguez Hills;
2. At the beginning of the junior year (90 quarter units), and
3. At the beginning of the senior year (135 quarter units).

Students should bring all relevant documents to these meetings. The departmental advisors will assist students in planning their academic programs, but students are ultimately responsible for meeting all prerequisites and requirements of their degree program. It is recommended that students meet with their advisors at least once each quarter.

All students are also urged to read the information under Counseling Programs and to avail themselves of the many types of personal and career guidance that are available at California State University Dominguez Hills.

REGISTRATION

Each student registers in California State University Dominguez Hills at times scheduled for this purpose just prior to the beginning of instruction for each quarter. Registration includes filling out official cards, enrolling in courses, paying fees, and receiving, or having validated, a Student Identification card.

Registration dates will be outlined in the Academic Calendar and the Schedule of Classes. Each student will be mailed registration information prior to the scheduled period.

RIGHT OF PETITION

Students may petition for review of certain university academic regulations when unusual circumstances exist. It should be noted, however, that academic regulations when they are contained in Title 5, *California Administrative Code*, are not subject for petition.

Petition forms are available in the Office of Admissions and Records. After action has been taken on the petition the student will be notified of the decision. A copy of the action is placed in the student's permanent file.

SCHOLASTIC POLICIES

Grades and Grade Points †

Student performance in each course is reported at the end of each quarter by one of the following grades (with the grade points earned):

<i>Grade</i>	<i>Grade Points</i>
A Excellent	4.0
AB	3.5
B Very Good	3.0
BC	2.5
C Satisfactory	2.0
CD	1.5
D Barely Passing.....	1.0
F Failure	
U Unauthorized Incomplete	
I Incomplete (Not counted in grade average)	
W Withdrawal (Not counted in grade average)	
RD indicates Report Delayed (not counted in grade average)	

The following grades are to be used for approved courses only:

- CR Credit (Not counted in grade-point average, but units allowed)
- NC No credit (Not counted in grade average; no units allowed)
- SP Satisfactory Progress (Credit is deferred until completion of course sequence)

Incomplete Grade

A grade of incomplete may be assigned if a student is unable, for an unforeseen reason, to complete a definable portion of course work. An incomplete indicates that there is still a possibility of credit upon completion of future work. The student must arrange with the instructor for completion of the required work. For each incomplete grade assigned, the instructor will complete a form in triplicate on which he/she will indicate:

† Subject to change during 1979-80 academic year.

1. The reason for granting the incomplete;
2. The amount or nature of the work to be completed;
3. The date by which the student must make up the work—a date as early as possible, but in any case within one calendar year.

A final grade of incomplete may not be submitted without the request for incomplete grade form.

A definitive grade for the term is recorded when the work has been completed. An incomplete grade cannot be removed by repeating the course. The grade will be automatically recorded as an F if the work is not completed within a year.

Change of Grade forms to remove an incomplete grade are available in the Office of Admissions and Records. It is the student's responsibility to pick up the form, secure the signature of the instructor, and have the instructor return the form to the Office of Admissions and Records within the time period allowed.

Unauthorized Incomplete

The symbol "U" indicates that an enrolled student did not withdraw from the course but failed to complete course requirements. It is used when, in the opinion of the instructor, completed assignments or course activities or both were insufficient to make normal evaluation of academic performance possible. For purposes of grade point average and progress point computation this symbol is equivalent to an "F".

Credit/No Credit Grades

An undergraduate student may elect to be graded CR/NC in particular courses, subject to the following conditions:

- I. Course Limitations
 1. Courses used to satisfy a major, or which are prerequisite to it, *must* be taken for a letter grade. A student is permitted to enroll in up to 50% of the units *required* by a minor on a credit/no credit basis, unless otherwise specified elsewhere in the catalog under specific requirements for a minor.
 2. No more than 32 units graded CR/NC, whether taken at this or another institution, may be offered in satisfaction of the total units required for a bachelor's degree. If 32 units graded CR/NC are accepted in transfer, no additional courses graded CR/NC may be used to satisfy degree requirements, except when a required course is graded solely on a CR/NC basis. (All credits earned in the CLEP testing program may count even if they make the cumulative total of all CR/NC units at that time over 32.)
 3. Selection of the grading basis (A through F or CR/NC) is made during the first three weeks of instruction.
- II. Grade Equivalencies and Records
 1. Both Credit (CR) and No Credit (NC) grades are recorded on student transcripts.
 2. In accordance with current policies of the Board of Trustees, at the undergraduate level the Credit grade is the equivalent of an A, B, or C; and the No Credit grade is the equivalent of a CD, D, or F.
 3. CR/NC grades are not computed in overall or quarterly grade point averages.
 4. Progress points are assigned the non-traditional grades of CR and NC. Two progress points are assigned for each unit of the CR grade; and no progress points for each unit of the NC grade.

SP (Satisfactory Progress)

The "SP" symbol is used in connection with courses that extend beyond one academic term. The symbol indicates that work in progress has been evaluated as satisfactory to date, but that the assignment of a precise grade must await the completion of additional course work. Cumulative enrollment in units attempted may not exceed the total number applicable to the student's educational objective. All work is to be completed within one calendar year of the date of first enrollment and a final grade will be assigned to all segments of the course on the basis of overall quality. A student may request extension beyond one year for removal of the administrative grading symbol "SP" by submitting a written request to the instructor. A time extension beyond the one year is permitted only upon approval of the written request by the instructor and the School Dean.

Scholastic Probation or Disqualification for Undergraduate Students

For purposes of determining an undergraduate student's eligibility to remain in California State University Dominguez Hills, both quality of performance and progress toward her/his objective shall be considered. Such eligibility shall be determined by a progress point scale based upon the grade point computation for letter grades and augmented by the assignment of two points for each unit of CR grade and no points for each unit of NC grade.

Academic Probation. A student is subject to academic probation if at any time the cumulative grade point average or the grade point average at the campus where the student is enrolled falls below 2.0 or if during any term during enrollment the student fails to earn at least two times as many progress points as units attempted. The student shall be advised of probation status promptly. A student shall be removed from academic probation when the cumulative grade point average or the grade point average at the campus is 2.0 or higher and when the student earns at least two times as many progress points as units attempted.

Administrative-Academic Probation. An undergraduate or graduate student may be placed on administrative-academic probation by action of appropriate campus officials for any of the following reasons:

- A. Withdrawal from all or a substantial portion of a program of studies in two successive terms or in any three terms.
- B. Repeated failure to progress toward the stated degree objective or other program objective (when such failure appears to be due to circumstances within the control of the student).
- C. Failure to comply, after due notice, with an academic requirement or regulation which is routine for all students or a defined group of students (example: failure to take placement tests, failure to complete a required practicum).

When such action is taken, the student shall be notified in writing and shall be provided with the conditions for removal from probation and the circumstances which would lead to disqualification, should probation not be removed.

Academic Disqualification. A student on academic probation is subject to academic disqualification:

- A. If as a freshman or sophomore the student falls 23 or more grade points below a 2.0 (C) average on all units attempted or in all units attempted at the campus where the student is enrolled.
- B. If as a junior the student falls 14 or more grade points below a 2.0 (C) average on all units attempted or in all units attempted at the campus where the student is enrolled.

- C. If as a senior the student falls 9 or more grade points below a 2.0 (C) average on all units attempted or in all units attempted at the campus where the student is enrolled.
- D. Regardless of class level, if during any term while on probation the student fails to earn twice as many progress points as units attempted. In addition to the above disqualification standards applicable to students on probation, a student may be disqualified when:
 - 1. During the term just concluded, the student has accumulated a grade point deficiency sufficiently great to place him/her on probation and,
 - 2. The grade point deficiency is so great that in view of the student's past educational record (previous academic performance, aptitude indicators, etc.) and his/her class level it seems unlikely that the deficiency will be removed within a reasonable period.

Administrative-Academic Disqualification. A student who has been placed on administrative-academic probation may be disqualified from further attendance if:

- A. The conditions for removal of administrative-academic probation are not met within the period specified.
- B. The student becomes subject to academic probation while on administrative-academic probation.
- C. The student becomes subject to administrative-academic probation for the same or similar reason for which he/she has been placed on administrative-academic probation previously, although not currently in such status.

When such action is taken, the student shall receive written notification including an explanation of the basis for the action.

Official Withdrawal from the University

Official withdrawal is necessary if a student leaves the University at any time after registration and does not intend to complete the quarter. The forms for initiating this process may be obtained from the University Information and Service Center.

When official withdrawal from the University occurs before the quarterly deadline for dropping classes (the third week of instruction), there is no record of enrollment. However, if official withdrawal occurs after the third week of instruction, grades will be assigned in accordance with the policy which follows on "Official Withdrawal from a Course." A student who does not officially withdraw from the University shall automatically receive F or U grades for all courses on his/her official study list.

Conditions for readmission shall be clearly indicated on the withdrawal form. A student who withdraws under satisfactory conditions shall be classified as a continuing student for the next two quarters.

Official Withdrawal from a Course

- 1. *During the first three weeks of each quarter* a student may withdraw by filing a change-of-program card without approval of the instructor. No grade is assigned, and the enrollment does not appear on the student's permanent record.

2. *Beginning with the fourth week and prior to the beginning of the eighth week of each quarter*, an administrative grade of W may be assigned provided the student's withdrawal request form lists serious and compelling reasons. Permission to withdraw during this time period is to be granted only with the approval of the instructor and department chairperson.
3. Beginning with the eighth week and through the tenth week of instruction of the quarter, the administrative grade of W shall not be assigned unless the student's withdrawal request form indicates a serious accident or illness. Medical verification may be required. In addition to the signatures of both the instructor and department chairperson, the approval of the School Dean is required on the withdrawal request form. Ordinarily withdrawals in this category involve total withdrawal from the University. A student may not withdraw from a course, or courses, during final examinations.
4. A student who does not officially withdraw shall receive F or U grades for all courses on his/her official study list.

Change-of-Program After Registration

A change-of-program after registration is any change that is made in a student's official study list. Such a change includes: dropping a class, adding a class, changing the number of units for a class in which the student is registered, changing the section of the same course.

A change-of-program may be made before the deadline date listed for each quarter in the official university calendar. Forms may be obtained in the Office of Admissions and Records. No change is effective until the change-of-program form has been signed by the instructor, when required, and filed in the Office of Admissions and Records.

Veterans' Responsibilities

Students receiving veteran's benefits have several important responsibilities regarding their certification status for receipt of those benefits. These responsibilities are:

1. *Prompt Notification of Withdrawal.* It is the responsibility of each veteran student receiving benefits to notify the Office of Admissions and Records immediately upon withdrawal from the University. This is done through use of the *Notice of Withdrawal* form. The form, including last date of attendance, should be completed and submitted promptly upon cessation of attendance.
2. *Prompt Notification of Change In Units.* When a course is added or dropped the veteran student must complete and submit the *Change of Program* form, including last date of attendance for dropped courses, immediately so that any necessary adjustment in certification may be prepared and submitted by the Office of Admissions and Records.
3. *Enrollment in Proper Courses for Graduate Level Students.* Graduate level veteran students are reminded that full-time certification for 8 units is based upon enrollment in 8 units of graduate level (400 series) courses. Enrollment in 8 units of courses other than the 400 series *does not* constitute full-time enrollment status. The status of graduate level students enrolled in undergraduate courses will be certified as less than full time.

Credit-by-Examination**A. General Conditions**

1. A registered student may receive credit-by-examination for courses in which he/she is eligible to enroll.
2. The student should contact the office of the appropriate department to initiate the procedure.
3. Each department will maintain an up-to-date listing of courses which may/may not be taken as credit-by-examination.
4. The student will select a traditional letter grade or CR/NC option, in accordance with policies applicable to regular course enrollment.
5. Credit-by-examination will not be given for course work which an academic department deems inappropriate or impossible to evaluate.
6. The same course can be taken only once by credit-by-examination.
7. Credit-by-examination will not be given for a course if the student has already received credit for a similar but more advanced course.

B. Procedure for Courses Listed in Class Schedule

1. The student secures petition for credit-by-examination from appropriate department office and obtains signature of instructor and department chair.
2. If the petition is approved, the student enrolls in the course during registration and is given the examination during the first two weeks of the quarter.
3. The student is notified of the results of the examination during the third week of the quarter.
 - a) If the examination is passed, the grade is submitted to the Office of Admissions and Records by the end of the third week. The student's name will remain on the roster and the grade will appear on the quarterly grade report.
 - b) If the examination is failed, the student has two options:
 - 1) Remain enrolled in the course and complete it according to standard procedures, or
 - 2) Officially drop the course before the census date (end of third week).
4. The course grade will appear on the student's PRC with the other grades for the quarter with a designation that the course was completed by examination.

C. Procedure for Courses Not Listed in Class Schedule

1. The student secures a petition for credit-by-examination from the appropriate department office and obtains the signature of an appropriate and willing instructor and department chair.
2. If the petition is approved, the examination will be scheduled within 15 days.
3. Upon the completion of the exam, a grade is recorded on the petition and the petition is forwarded to Admissions and Records.
4. Admissions and Records notifies the student of the grade provided by the department.
5. Only a passing grade will be recorded on the student's permanent record card. A non-passing grade will not be recorded.

Retaining Continuing Student Status

A procedure is now in effect allowing a student at the University to "sit out" or miss one or two consecutive quarters of attendance and retain his or her continuing student status without filing a new application for admission. Students who choose to "sit out" the one or two consecutive quarters will be regarded as continuing students and will receive registration information, priority and materials as if they were currently enrolled. This procedure will apply to students who do not attend any other institution in their absence from Dominguez Hills. A student who attends another institution would be required to submit a new application for admission and the application fee. A student who is absent for more than two quarters will also be required to submit a new application and fee.

Retention of Catalog Rights. A student utilizing the continuing student status procedure will retain his or her catalog rights. He or she will be able to use the requirements of the catalog under which he or she was admitted.

Removal of Previous Term(s) Work From Baccalaureate Degree Considerations

1. A student desiring that the University disregard up to three quarters or two semesters of previous undergraduate coursework taken at any college or university from all considerations associated with requirements for the baccalaureate degree may petition the Committee for Admissions and Disqualifications. The petition is filed with the Director of Admissions. The circumstance under which this might occur would consist of *all* of the following:
 - a. The student has presented evidence that work completed in the term(s) under consideration is substandard and not representative of present scholastic ability and level of performance; *and*
 - b. The level of performance represented by the term(s) under consideration was due to extenuating circumstances; *and*
 - c. There is every evidence that the student would find it necessary to complete additional units in order to raise the overall grade-point average to a 2.0 level for graduation if the request was not approved; *and*
 - d. None of the units removed through academic renewal may be used to satisfy graduation requirements.
2. The committee may provide approval if:
 - a. Five years have elapsed since the most recent work to be disregarded was completed; *and*
 - b. The student has completed at Dominguez Hills (since the most recent work to be disregarded was completed) 22 quarter units with at least a 3.0 GPA, 45 quarter units with at least a 2.5 GPA, or 67 quarter units with at least a 2.0 GPA.
3. Upon approval, the Registrar annotates the student's permanent record card so that it is readily evident to all users of the record that *no* work taken during the disregarded quarter(s), even if satisfactory, may apply toward baccalaureate requirements.
4. In the case of admission from other colleges where removal of work from degree consideration has occurred, the following procedure shall be utilized:
 - If another college has acted to remove previous work from degree consideration,

such action shall be honored in terms of its policy. However, elimination of any work in a term shall reduce by one term the one year maximum on work which may be disregarded at the college to which the applicant seeks admission.

Course Repetition

1. *Repetition of Undergraduate Courses at Dominguez Hills*

- a. Undergraduate students may repeat courses for which grades of CD, D, or F were earned. If a student wishes to repeat a grade of C or better, the approval of the appropriate school dean is required before the course is repeated. In computation of grade-point averages the most recently earned grades and grade points are used for the repeated courses. The original grade on the academic record is not changed or eradicated but is annotated as being discounted from grade-point average calculations.
- b. Undergraduates may repeat courses in which they earned a "C" or better only after they have been granted permission via a petition signed by the instructor and appropriate School Dean prior to registration for the course(s).
- c. It is the responsibility of the student to notify the Office of Admissions and Records of repeated courses. The discounting of previous attempts is not done automatically.
- d. Forms for notifying the Office of Admissions and Records of repeated courses are available in that office.

B. *Course Repetition at Previous Institutions*

In the case of admission from other colleges or universities where course repetition has occurred, the policy of the institution where the course was repeated shall be followed. If it is not possible to determine the nature of such policy, the policy of the California State University and Colleges shall be followed.

Postgraduate Credit for Seniors

Students in the last quarter of their senior year may petition to receive post-graduate credit for up to two full courses which are not required to fulfill requirements for the bachelor's degree. To receive graduate credit, courses must be numbered in the 200, 300, 400, or 700 series. *Approval must be obtained from the Dean of the School prior to registration in order to receive graduate credit for the work taken.* Petitions are available in the Office of Admissions and Records.

Honors List

Undergraduate students qualify for the Honors List in each quarter in which they earn a grade point average of 3.5 or better in 12 or more units of letter grade courses. This designation will appear on the quarterly grade report and on the Permanent Record card.

Graduation with Honors for Students Completing the Baccalaureate Degree

A student who has completed a minimum of 45 units in residence at California State University Dominguez Hills with a G.P.A. of 3.40 or better may be a candidate for graduation with honors. The criteria for graduation with honors are:

1. A minimum of 45 units in residence
2. A minimum G.P.A. of 3.40 on all units taken at California State University Dominguez Hills
3. A grade point average as outlined below on all undergraduate work:
 - a. 3.40—3.59 Cum Laude
 - b. 3.60—3.79 Magna Cum Laude
 - c. 3.80—4.00 Summa Cum Laude

Students who achieve the above honors will have the information recorded on their transcripts and diplomas.

Auditors

A student not admitted to, nor enrolled in, the University must file a Statement of Residence prior to auditing a course. A residence determination must be made so that appropriate fees may be charged.

Auditors must pay the same fees as would be charged if the courses were taken for credit. A student who wishes to audit a course must obtain the approval of the instructor on the *Approval for Audit* form available in the Office of Admissions and Records. The approval may not be obtained prior to the first day of instruction. Enrollment as an auditor is subject to the approval of the instructor; a student registered as an auditor may be required to participate in any or all classroom activities at the discretion of the instructor. A student who is enrolled for credit may not change to audit after the third week of instruction. Credit for courses audited will not subsequently be granted on the basis of the audit. No record of audit appears on the student's permanent record card nor are transcripts issued for audited courses.

An enrolled student who wishes to audit a course in addition to his regular program must obtain the approval of the instructor on the *Approval for Audit* form available in the Office of Admissions and Records. The approval may not be obtained before the first day of instruction. An audited course should be taken into consideration when planning a program so that the study load will not be excessive.

Concurrent Enrollment

Concurrent enrollment in resident courses, or in extension courses, in another institution is permitted only when the entire program has received the approval, first, of the departmental major adviser and, second, of the evaluations section of the Office of Admissions and Records. This approval must be obtained before any coursework is started. The purpose of this procedure is to assure that all courses taken elsewhere will meet the requirements of the University and that the total program will not constitute an excessive study load. Petitions may be obtained from the Office of Admissions and Records.

INTRASYSTEM VISITOR STATUS AND INTRASYSTEM CONCURRENT ENROLLMENT

Procedures are now in effect which allow students from one CSUC campus to enroll as visitors on another campus or to concurrently enroll on another campus. The conditions and procedures for each category are outlined below.

POLICIES AND PROCEDURES FOR INTRASYSTEM VISITOR STATUS

Eligibility Requirements

Undergraduate

1. Student has completed at least one term at the home campus as a matriculated student and earned at least twelve units there.
2. Student has attained a grade-point average of 2.0 in all work completed at the home campus and is in good standing at that campus.
3. Student is eligible to register under "continuing" status at home campus.

Graduate

1. Student has completed at least one term at the home campus as a matriculated student.
2. Student has been admitted to or is enrolled in an authorized graduate program at the home campus.
3. Student was in good standing at the last institution attended.

Enrollment Conditions

1. Approval will be for one term only and is subject to space availability and enrollment priority policies of the host campus.
2. To remain beyond the term in which student is in "visitor" status, a regular application must be filed.
3. "Visitor" status will not be approved if the terms overlap on home and host campuses.
4. Concurrent enrollment at another CSUC campus is not possible while in "visitor" status.
5. Financial aid is available to "visitors" only through the home campus and students eligible for Veterans, Rehabilitation, Social Security, and other Federal, State, or County benefits must secure eligibility certification through the home campus.
6. All required fees must be paid at the time of "visitor" registration.
7. A record of credit earned at the host campus will automatically be sent to the home campus.
8. Evidence of completion of course prerequisites may be required at time of enrollment (i.e., personal transcript copy or grade reports).

Procedures

1. Student completes application and submits to Registrar on home campus at least four weeks in advance of first day of classes at host campus. Earlier submission (up to three months before classes begin) may improve registration opportunity.
2. Home campus completes Part II and forwards to host campus if approved, or returns to student if disapproved.
3. Host campus provides registration instruction if application is accepted, or returns application with explanation if it cannot be accepted.

POLICIES AND PROCEDURES FOR INTRASYSTEM CONCURRENT ENROLLMENT

Eligibility Requirements

Undergraduate

1. Student has completed at least one term at the home campus as a matriculated student and earned at least 12 units there.
2. Student has attained a grade-point average of 2.0 in all work completed at the home campus and is in good standing at that campus.

Graduate

1. Student has completed at least one term at the home campus as a matriculated student or will be enrolled concurrently in such status.
2. Student has been admitted to or is enrolled in an authorized graduate program at the home campus.
3. Student was in good standing at the last institution attended.

Enrollment Conditions

1. Approval of concurrent enrollment is valid only for the term specified and is subject to space availability and registration priority policies at host campus.
2. Academic advisement is available only at the home campus.
3. Because of overlap in the academic terms of campuses on semester and quarter calendars, concurrent enrollment is possible only in certain combinations.

Home Campus	Host Campus	
Semester Calendar	Possible	Not Possible
Fall	Fall Quarter or Semester	Winter Quarter
Spring	Spring Quarter or Semester	Winter Quarter
Quarter Calendar	Possible	Not Possible
Fall	Fall Quarter or Semester	
Winter	Winter Quarter or Spring Semester	
Spring	Spring Quarter	Spring Semester
Summer	Summer Quarter	

(NOTE: Although Summer quarter concurrent enrollment is not possible for students whose home campus is on a semester calendar or on a quarter calendar without a summer quarter, enrollment in "visitor" status is possible. A similar but separate application is required.)

4. Evidence of completion of course prerequisites may be required at the host campus (i.e., personal transcripts or grade reports).
5. Financial aid is available only through the home campus and students eligible for Veterans, Rehabilitation, Social Security, and other Federal, State, or County benefits must secure eligibility certification through the home campus.
6. Health services on host campus will be limited to treatment for emergencies.
7. Participation in student activities at the host campus is subject to any limitations which may exist at that campus. Similarly, student union facilities will be available according to policies at each campus.
8. Parking on the host campus will be available on the basis of a term fee within campus parking availability or on a daily fee basis.
9. Information concerning host campus identification card policies will be provided at registration.

Procedures:

1. Student completes application and submits all five copies to the Office of Admissions and Records at home campus at *least* four weeks in advance of the first day of classes at *both* campuses.
2. Home campus registrar completes Part II and forwards four copies to host campus registrar if approved, or returns to student if disapproved.
3. Host campus registrar completes Part IIIA and mails all copies to student with registration instructions.
4. Student pays full registration fees on home campus. Payment is certified on all copies of the application. Home campus non-resident tuition fees, as appropriate, are paid at the same time and entry made with the fee certification. Home campus retains fourth copy and delivers three copies to student.
5. Student registers at host campus presenting the three certified copies of the application. Host campus non-resident tuition fees and any user fees are paid and entry is made on the three copies.
6. Host campus completes Part IIIB on all copies, gives one copy to student, sends one copy to home campus, and retains one copy.
7. Program changes will be accomplished by following standard procedures on both campuses. Official notification will be provided by the host campus to the home campus. If a student withdraws from the home campus and requests refund for the refundable portion of the Student Services fees, the host campus must be notified.
8. Permanent academic records will be maintained at the campus where courses are completed. A record of credit earned at a host campus will be sent to the student and to the home campus.

COURSE PREREQUISITES

Course prerequisites cited with each course description in this catalog are intended to advise the student of any previous work needed for the course. Students not meeting the stated prerequisites should determine their eligibility for such courses in consultation with their academic advisors and the appropriate instructor.

COURSE NUMBERING SYSTEM

The course numbering system for the University is based upon the three-digit number as follows:

000-099	Sub-collegiate courses. Credit is granted for such courses only if equivalent work has not been taken in high school
100-199	Lower division courses
200-299	Upper division courses
300-399	Upper division or graduate courses
400-499	Graduate courses
700-799	Graduate professional courses
X800-899	Non-academic credit
X900-999	Non-academic credit extension

Extension course: Designated by "X" preceding the course number.

Special summer session course which does not appear in the catalog: Designated by "S" preceding the course number.

The course numbering system in the Small College utilizes the numbers from 500 through 999. All Small College courses are undergraduate and the applicability of courses towards lower division or upper division is indicated each quarter in the Small College class schedule.

CLASS LEVEL

Students are assigned class level according to the following plan:

Lower Division

Freshmen0-11 full courses (0-44 quarter units)

Sophomore 11¼ to 22¼ full courses (45-89 quarter units)

Upper Division

Junior 22½ to 33½ full courses (90-134 quarter units)

Senior33¾ or more full courses (135 or more quarter units)

At California State University Dominguez Hills the amount of a student's work is designated in terms of courses. The full course is equivalent to four quarter units; the one-half course is equivalent to two quarter units; and the one-fourth course, to one quarter unit.

STUDY LIST LIMITS

For undergraduate students in good academic standing, the normal program load is the equivalent of four full courses. A student may enroll in a maximum of 20 units during the registration period. Enrollment in more than 18 units requires consent of the advisor on the Course Request card. This will provide a better opportunity for more students to have a complete program. Students who wish to enroll in more than 20 units may add additional courses beginning the first day of instruction with the signature of the instructor and written approval of the advisor on the Change of Program card. Students enrolling in more than 24 units must also obtain the approval of the Dean of the School in which the student is majoring or the Coordinator of Academic Advising if the student is an undeclared major.

FULL-TIME STATUS

Undergraduates are considered to be full-time students during any quarter in which they are enrolled in twelve units or more. However, graduation in four years' time requires completion of approximately sixteen units each quarter.

Graduate students are considered to be full-time students during any quarter in which they are enrolled in eight units or more of graduate (300, 400, or 700) level work.

TRANSCRIPTS OF RECORD

A student may obtain an official transcript of his or her record by completing a request for transcripts form at the Office of Admissions and Records. A fee of \$1 is charged for each transcript.



THE SCHOOLS

THE SCHOOL OF EDUCATION

Dr. George R. Walker, Dean of the School of Education

Ms. Miriam Stuart, Assistant to the Dean

The School of Education provides professional programs of study at the undergraduate and graduate levels. A primary objective of various programs in Education is to relate educational theory to school practice at both classroom teacher and support service levels.

Baccalaureate Degree Programs

Physical Education
Recreation

Credential Programs

The School of Education has developed a performance-based, field-centered teacher education curriculum for multiple subject and single subject credential programs. These programs are accredited by the National Council for Accreditation of Teacher Education and the California Commission for Teacher Preparation and Licensing. Specialist and services credentials are available through post-baccalaureate programs of study.

(Note: Beginning July 1, 1979, all multiple and single subject credential candidates and administrative services credential candidates must complete a course designated to satisfy the State's newly mandated "mainstreaming handicapped children" requirement.)

Master's Degree Programs

MASTER OF ARTS IN EDUCATION

Students seeking the Master's degree must complete a total of 45 graduate quarter units and either (1) pass a comprehensive examination, or (2) complete an approved thesis or creative project.

Curriculum Option. Students electing this option are provided an opportunity to extend their own understanding of the process of personal growth and development in relation to teaching and learning, to examine special problems in development, organization and evaluation of school curriculum, and to develop sensitivity to communities and cultures which schools serve. This option offers opportunities for emphases in the content areas of bilingual/cross-cultural education; elementary curriculum; instructional technology, program development, and evaluation; multicultural populations, and reading.

Early Childhood Education Option. This option is designed to prepare individuals to assume leadership positions in public or private early childhood education facilities. The core of instruction includes research methods, human development, socio-cultural understanding, curriculum development, and administration. This program is performance-based and requires an internship experience.

Pupil Personnel Option. The Pupil Personnel option is designed to provide basic skills for a variety of pupil personnel roles (except identification and placement in special categories). In addition to one-to-one and group-counseling relationships with pupils, counselors will be trained as school resource persons in areas relating to student problems and career guidance.

There are three phases of instruction: generic, core, and internship. The generic program (consisting of undergraduate prerequisites) provides a theoretical background for students; the core program focuses on the application of theory to specific pupil personnel functions, and the internship provides an opportunity for supervised work with students in a school setting for a sustained period.

MASTER OF ARTS IN SPECIAL EDUCATION

The Master of Arts in Special Education consists of a common basic program followed by two areas of concentration from which students may select one.

Learning Handicapped Concentration. This advanced concentration prepares the student for the delivery of special education services to the learning disabled, behaviorally disordered, and educable retarded. At the conclusion of competency-based training, students will be able to assume a special class, resource teacher and/or teacher-consultant role appropriate to the demand for personnel in this area.

Severely Handicapped Concentration. This advanced concentration prepares the candidate for the delivery of special services to the trainable retarded, autistic, developmentally handicapped, and multiply handicapped. Competency-based training prepares the student for special day class and/or teacher-consultant roles appropriate to the increasing demand for personnel in this area.

Evening Programs

Students seeking to complete degree or credential requirements in the School of Education through evening enrollment will be able to do so in the following fields:

- Education (MA)

- Option in Curriculum

- Option in Early Childhood Education

- Option in Pupil Personnel

- Special Education (MA)

- Concentration in Learning Handicapped

- Concentration in Severely Handicapped

- Children's Center Permit

- Designated Subject Credential (Adult Education)

- Specialist Credentials

- Bilingual/Cross-Cultural

- Early Childhood Education

- Reading

- Special Education

- Services Credential

- Administrative

- Pupil Personnel

THE SCHOOL OF HUMANITIES AND FINE ARTS

Dr. Marvin Laser, Dean of the School of Humanities and Fine Arts

Mr. Arnold Haskin, Assistant to the Dean

The School of Humanities and Fine Arts offers instruction in communications, languages, linguistics, literature, music, philosophy, theatre arts, and visual arts. In addition to the bachelor's and master's degree programs listed below, the school is responsible for instruction in humanities and fine arts offerings in General Education and in elective courses.

Students choosing majors or minors offered by the School of Humanities and Fine Arts will ordinarily be pursuing one or more of the following objectives: completing a university education in the liberal arts and sciences with an emphasis on humanistic and fine arts studies; preparing for graduate study leading to advanced degrees in one of the fields offered by the School; preparing for a career in teaching; or preparing for a variety of occupational or avocational pursuits in which an emphasis on the humanities and fine arts is especially desirable.

Sufficient flexibility is provided for students in the choice of courses within specific majors and in combinations of majors and minors to accommodate a diversity of short-range and long-range career or personal objectives. Moreover, while the acquisition of specific knowledge and skills is the goal of individual courses offered in the School, a broader aim is to assist each student in realizing his or her potential to achieve a pattern in which lifelong intellectual and cultural experiences complement one's professional or vocational endeavors.

All students in the university are invited to participate in activities courses and workshops in theatre arts, communications, music, and studio art. These courses offer training and experience in creating works in the visual arts, creating and performing works in the arts of music and drama, and in writing or production work for print and electronic media.

In contributing to the cultural life of University students and of residents of the communities in the South Bay and Greater Los Angeles, departments within the School of Humanities and Fine Arts offer a full schedule each year of theatrical productions, musical performances, and art exhibitions.

Baccalaureate Degree Programs

Academic majors offered by the School of Humanities and Fine Arts are:

- Art (Options in Studio Art, Art History, and Design)
- Communications (Options in Journalism and Public Relations)
- English (Options in Literature and in Language and Linguistics)
- French
- Mexican American Studies
- Music (Option in Electronic Music and Recording)
- Philosophy
- Spanish (Option in Public Service)
- Theatre Arts

Academic minors are offered in the following fields:

Art History	Music
Studio Art	Music: Electronic
Communications	Music and Recording
Design	Philosophy
East Asian/Asian-American Studies	Religious Studies
English	Spanish
French	Theatre Arts
Linguistics	
Mexican American Studies	

Certificates are offered in the following fields:

Applied Linguistics (Linguistics)
Broadcasting (Communications)
Spanish for Public Service (Spanish)

In addition to the above, the School offers lower division courses in Japanese language. Instruction in languages not regularly offered is available by arrangement with the Linguistics faculty. See Linguistics 295 (Independent Study: Foreign Languages).

Specific requirements for all majors and minors listed above and course offerings in each department are described in the next section of this catalog, arranged alphabetically by department name.

Graduate Degree Programs

A Master of Arts degree program is offered in English.

A full description of this program is included in the Graduate Bulletin contained in a later section of this catalog. Other master's degree programs are projected for subsequent years.

External Degrees

In cooperation with the university Office of Community Programs and the Consortium of the California State University and Colleges, the School of Humanities and Fine Arts offers a pilot external degree program in the Humanities (B.A. and M.A. degrees) for students who cannot attend on-campus classes. For further information about these programs, including admissions requirements, fee schedules, and course offerings, see page 219 of this catalog for the B.A. program and page 433 for the M.A. program.

Evening Programs

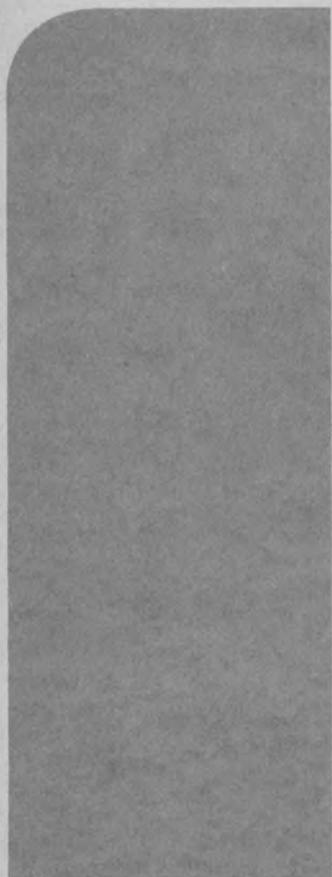
Students seeking to complete major or minor degree requirements in the School of Humanities and Fine Arts through night enrollment will be able to do so in the following fields:

Art (Studio Art and Design)	English (B.A. and M.A.)
Communications	Philosophy

Night sections of courses meeting degree requirements in the above fields are regularly scheduled at 6:00 p.m. or later over a two-year cycle (except in Design, scheduled over a three-year cycle). See course descriptions for specific quarters in which courses are scheduled at night.

Advisement

Academic advisement for all students selecting majors or minors in the School of Humanities and Fine Arts is available through departmental offices housed in the Humanities and Fine Arts Building (HFA)—except for Theatre Arts, which is located in University Theatre. Students who are undecided about the specific choice of majors or minors are invited to confer with the School Coordinator of Advisement, whose office is also located in the Humanities and Fine Arts Building.



THE SCHOOL OF MANAGEMENT

Dr. Martin R. Blyn, Dean of the School of Management

Ms. Lynn Anderson, Assistant to the Dean

The School of Management offers professional management programs in business administration, industrial management, and public administration. Undergraduate single field majors leading to the Bachelor of Science degree are offered in:

Business Administration

with concentrations in

Accounting	Management
Information Systems	Marketing
Business Economics	Personnel Administration
Finance	Real Estate
General Business	Small Business and Entrepreneurship

Industrial Management

Public Administration

with concentrations in

Administrative Management	Public Finance and Budgeting
Criminal Justice Administration	Public Personnel Administration
Health Services Administration	Urban Administration

In addition, graduate students may pursue a Master of Business Administration (M.B.A.) or a Master of Public Administration (M.P.A.) degree. Graduate level courses are offered exclusively in the evening to accommodate the working student.

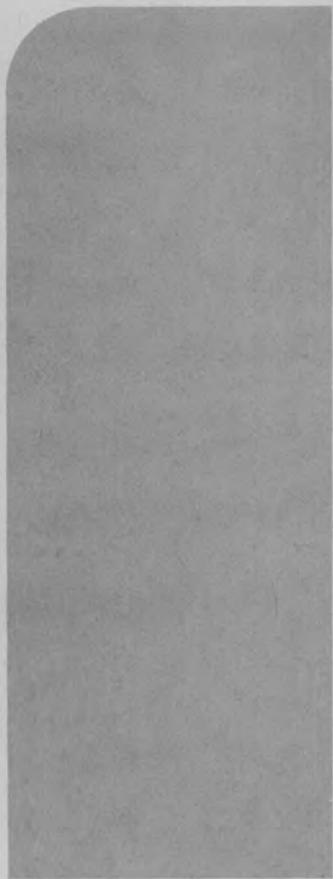
Undergraduates whose primary academic interests lie in other areas may take a **minor** in one of the following fields:

- Business Administration
- Public Administration

The School of Management also offers a Certificate in Real Estate as well as a Portal Certificate Program designed to facilitate entry into graduate programs.

Evening Programs

All degree programs offered by the School of Management may be completed in the evening.



THE SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

Ms. Agnes Kolano, Assistant to the Dean

The School of Natural Sciences and Mathematics includes departments of biological science, chemistry, mathematics, medical technology, physics and computer science. In addition to the programs shown below, the School is responsible for instruction within the General Education program, and for elective courses in the biological and physical sciences, and mathematics.

The curricular programs are sufficiently flexible to serve students with various educational, vocational, and professional goals. Programs may be chosen so as to enable a student to prepare for graduate work and a subsequent career as a professional scientist; to prepare for professional graduate schooling in such fields as medicine and dentistry; to enter directly into employment in industrial or governmental laboratories; to prepare for teaching; or to provide a scientific background for a future career in business, law, or management.

Lower division students who plan to choose majors or certain minors in the physical and biological sciences and in mathematics will normally complete all or parts of course sequences in chemistry and in mathematics in the freshman year, and course sequences in physics and in biological science in the sophomore year.

Baccalaureate Degree Programs

Academic majors offered by the School of Natural Sciences and Mathematics are:

- Biological Science (both General and Human Biology options)
- Chemistry (both B.S.* and B.A. degree; Chemistry and Biochemistry options offered in B.A. degree)
- Computer Science
- Mathematics
- Medical Technology
- Physics

Academic minors are offered in the following fields:

- | | |
|---------------------------|-------------------|
| Actuarial Studies | Marine Science |
| Biological Science | Mathematics |
| Bio-Organic Chemistry | Microbiology |
| Computer Science | Nature of Science |
| Earth Science | Physics |
| Earth and Marine Sciences | Psychobiology |
| | Statistics |

* Single field major.

Graduate Degree Programs

A master's degree program is offered in Biological Science, an external master's degree program is offered in Medical Technology, and courses are offered toward the special major, Master of Science degree, with a primary emphasis in Technology and Human Affairs.

Advisement

Academic advisement for all students selecting academic majors or minors in the School of Natural Sciences and Mathematics is available through the departmental offices. In addition, special advisement is available for students with premedical and other preprofessional interests. Students who are undecided about specific choices of program are invited to confer with the School Coordinator of Advisement.

THE SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES

Mr. W. Spencer Stepenske, Assistant to the Dean

The School of Social and Behavioral Sciences offers instruction in the disciplines of anthropology, economics, geography, history, political science, psychology, and sociology, as well as in related interdisciplinary fields of Afro-American Studies, American Studies, Behavioral Sciences, Energy Studies, Environmental Studies, Future Policy Studies, Human Services, Labor Studies, and Urban Studies. In addition to the programs shown below, the School is responsible for courses in the General Education program and elective courses in the social and behavioral sciences.

The programs offered provide a wide degree of flexibility to students in meeting their personal, educational, and career objectives. By carefully selecting combinations of majors and minors, and specific courses within these programs, students can prepare themselves for graduate study; careers in public service, teaching, law, and other professions; and for lifelong intellectual and personal fulfillment.

Baccalaureate Degree Programs

Academic majors offered by the School of Social and Behavioral Sciences are:

- Afro-American Studies
- Anthropology
- Behavioral Sciences
- Economics (Concentrations in General Economics and Quantitative Economics)
- Geography
- History
- Labor Studies
- Political Science (Concentrations in General Political Science, Political Behavior, Public Policy, and Global Politics)
- Psychology
- Sociology

A single field major in Human Services, with options in Gerontology, the Neonate and Young Child, and the Adolescent and Young Adult, is also offered by the School.

Certificates are offered in the following fields:

- Geography (Environmental Geography; Geographic Techniques; and Urban, Political, and Economic Geography)
- Public Paralegal Studies
- Social Research (undergraduate and graduate)
- Social Impact Assessment (undergraduate and graduate)

Academic minors are offered in the following fields:

Afro-American Studies	Geography
American Studies	History
Anthropology	Labor Studies
Behavioral Sciences	Political Science
Economics	Psychobiology
Energy Studies	Psychology
Future Policy Studies	Sociology
	Urban Studies

Graduate Degree Programs

The School offers master's degree programs in Behavioral Science (with options in Applied Behavioral Science, Gerontology, and Sociology), in Marriage, Family, and Child Counseling; in Psychology (with options in Clinical/Community Psychology and General Psychology), and in Environmental Studies.

Evening Programs

Students seeking to complete degree requirements in the School of Social and Behavioral Sciences through night enrollment will be able to do so in the following fields:

Afro-American Studies	Human Services
Anthropology	Labor Studies
Behavioral Sciences (B.A. and M.A.)	Marriage, Family and Child Counseling (M.S.)
Economics	Political Science
Environmental Studies (M.S.)	Psychology (B.A. and M.A.)
Geography	Sociology
History	

Night sections of courses meeting degree requirements in the above fields are regularly scheduled at 6:00 p.m. or later over a one- or two-year cycle.

Advisement

Academic advisement for all students selecting majors or minors in the School of Social and Behavioral Sciences is available through departmental offices housed in the Social and Behavioral Sciences building (SBS). Students who are undecided about the specific choice of majors or minors are invited to confer with the School Coordinator of Advisement, whose office is also located in the Social and Behavioral Sciences building.

UNIVERSITY COLLEGE

Dr. Suzanne Gemmell, Dean of University College

Ms. Carmen B. Towler, Assistant to the Dean

University College consists of those educational programs whose components comprise what is known as Common Ground: academic studies of an interdisciplinary or multidisciplinary nature which draw upon the resources of the other Schools within California State University Dominguez Hills; studies that are experimental in nature; and special-purpose academic programs.

University College offers instruction in health science, liberal studies, science and technology, social science, humanities, and environmental sciences. University College also offers many courses which can be used to fulfill general elective requirements. In addition, general education requirements may be met by completing the necessary University College courses.

Students may choose majors within University College preparatory to graduate study leading to advanced degrees, to careers in teaching and other areas, or to the pursuit of varied avocational interests. There is sufficient diversity within the educational resources of University College to allow for combinations of studies to accommodate long-range career goals or personal needs and objectives. The principal aim of University College is to assist students in a realization of their full educational and personal potential through the many programs of studies offered within the University.

Baccalaureate Degree Programs

Academic majors offered by University College are:

Health Science

Liberal Studies

Small College

Small College offers degrees with the following areas of concentration:

Civilizations

Environmental Science

Human Studies

Science, Technology, and Society

Advisement

Academic advisement for all students selecting majors within University College is available through the department offices. Students in Small College are assigned a faculty "mentor" who is responsible for academic advisement throughout the student's undergraduate years at California State University Dominguez Hills. Students who are undecided about specific choices of program are invited to confer with the Coordinator of Advisement in the University Information and Service Center, SC A-130.

CODE FOR CLASS OFFERINGS

Many departments have indicated at the end of class offerings whether the classes will be offered during the Fall quarter (F) of the 1979–80 academic year, the Winter quarter (W), or other Spring quarter (S). If it is known whether the course will be taught during the day, a (d) will follow the respective quarter; if it will be taught during the evening (5 p.m. or later; 4 p.m. in Education), the symbol (e) is listed. While all courses so listed will be offered at the time period indicated (barring an extraordinary condition beyond the department's control), there must be sufficient enrollment in the class at that time to meet minimum CSUDH requirements or the class can be cancelled.

DEPARTMENTAL REQUIREMENTS AND COURSE OFFERINGS

AFRO-AMERICAN STUDIES

(School of Social and Behavioral Sciences)

Members of the Afro-American Studies Committee:

Director: O. W. Wilson, Ph.D., Professor (Political Science)

Professor: Paul Gopaul, Ph.D. (History)

Assistant Professors: Deborah Harrison, M.A. (Psychology); Torcy R. Wiley, Ed.D. (Education)

Additional Members of the Committee: Carolyn Harris, M.A., Coordinator, EPIC Program; James Clayton, Director, Special Programs

The interdisciplinary program in Afro-American Studies is designed to provide an understanding of the cultural and social roots of Americans of African descent as well as the political, social, and economic factors that have influenced their development and contribution in American culture.

REQUIREMENTS FOR THE MAJOR IN AFRO-AMERICAN STUDIES

Upper Division

- A. History 241. The Afro-American from Africa through Reconstruction (4)
History 275. Africa: Pre-Colonial Period (4)
- B. Any *three* of the following in the School of Social and Behavioral Sciences, of which not more than *two* may be selected from the same department:
 - History 242. The Afro-American from Reconstruction to the Present (4)
 - History 276. Africa: Colonialism to Independence (4)
 - Political Science 223. Black Politics (4)
 - Political Science 238. Global Planning and the Future (4)
 - Political Science 249. Government and Politics in Sub-Saharan Africa (4)
 - Psychology 282. Psychological Development of the Black Child (4)
 - Psychology 283. Psychology of the Black Experience (4)
 - Sociology 216. Black Communities: Class, Status, and Power (4)
 - Sociology 235. Social Movements: Black Awareness (4)
 - Sociology 260. Minority Racial and Ethnic Relations (4)
- C. Any *two* courses from the following list in the School of Humanities and Fine Arts:
 - Art 254. Afro-American Art (4)
 - Art 265. Art of Black Africa (4)
 - English 243. Afro-American Poetry (4)
 - English 244. Afro-American Prose (4)
 - Music 252. Afro-American Music (4)

- D. An elective outside the student's major from sections B and C or any of the following:
 Anthropology 210. Psychological Anthropology (4)
 Anthropology 220. Community Anthropology (4)
 +Economics 245. Economic Development (4)
 Economics 282. Economics of Poverty (4)
 Philosophy 270. Philosophy in the Modern World (4)
 Political Science 220. Urban Government and Policy Choices (4)
 Political Science 248. The Politics of Developing Areas (4)
- E. Afro-American Studies 290. Seminar in Afro-American Studies (4)

REQUIREMENTS FOR THE MINOR IN AFRO-AMERICAN STUDIES

Upper Division

- A. History 241. The Afro-American from Africa through Reconstruction (4)
 History 242. The Afro-American from Reconstruction to the Present (4)
- B. Any *two* of the following:
 Economics 282. Economics of Poverty (4)
 History 275. Africa: Pre-Colonial Period (4)
 History 276. Africa: Colonialism to Independence (4)
 Political Science 223. Black Politics (4)
 Political Science 238. Global Planning and the Future (4)
 Political Science 249. Government and Politics in Sub-Saharan Africa (4)
 Psychology 282. Psychological Development of the Black Child (4)
 Psychology 283. Psychology of the Black Experience (4)
 Sociology 216. Black Communities: Class, Status, and Power (4)
 Sociology 235. Social Movements: Black Awareness (4)
 Sociology 260. Minority Racial and Ethnic Relations (4)
- C. Any *two* of the following:
 Art 254. Afro-American Art (4)
 Art 265. Art of Black Africa (4)
 English 243. Afro-American Poetry (4)
 English 244. Afro-American Prose (4)
 Music 252. Afro-American Music (4)
- D. Afro-American Studies 290. Seminar in Afro-American Studies (4)

COURSE OFFERING

Upper Division

- 290. SEMINAR IN AFRO-AMERICAN STUDIES (4).** An integrative seminar serving as a capstone to the major in Afro-American Studies. Intensive study of selected topics relating to the Afro-American culture and the preparation of research papers by members of the class. *Prerequisites: Senior standing and consent of the instructor.*

+ Consult course description for prerequisite.

AMERICAN STUDIES

(School of Social and Behavioral Sciences)

Members of the American Studies Committee:

Chairperson: Walter Wells, Ph.D., Professor (English)

Associate Professors: Jay Kaplan, Ph.D. (Political Science); Frank Stricker, Ph.D. (History)

Assistant Professor: Louise Ivers, Ph.D. (Art)

The American Studies minor offers the student an opportunity to approach the American experience historically and culturally across conventional disciplines. Its requirements provide the basis for a broad analysis of national development and an in-depth focus on particular American problems, issues, and conflicts. Students having begun the American Studies major prior to September, 1978, remain eligible to complete that program as their major field of studies.

REQUIREMENTS FOR THE MINOR IN AMERICAN STUDIES

Upper Division

Six courses (24 units) are required.

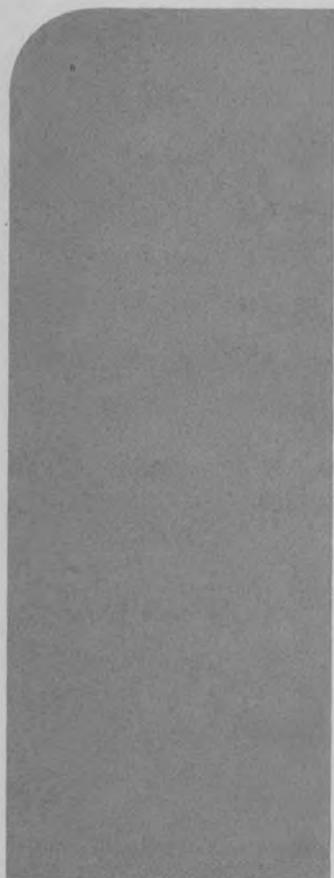
- A. History 223. History of American Thought (4)
- B. *One* of the following:
 - Economics 215. American Economic History (4)
 - Political Science 215. Congress and the President (4)
 - Political Science 254. American Political Thought (4)
 - Political Science 260. American Constitutional Law: Distribution of Power (4)
- C. *One* of the following:
 - + English 239. American Literature I (4)
 - + English 240. American Literature II (4)
 - + English 241. American Literature III (4)
- D. *One* of the following:
 - + Art 250. American Art (4)
 - Music 250. American Music (4)
- E. *Two* of the following:
 - Chemistry 286. American Science and Technology (4)
 - American Studies 297. Directed Research in American Studies (4)
 Any course or courses in the School of Social and Behavioral Sciences or the School of Humanities and Fine Arts with a primarily American focus.

COURSE OFFERINGS

Upper Division

- 297. **DIRECTED RESEARCH IN AMERICAN STUDIES (4)**. Preparation of an original research paper on an American Studies problem selected by the student. *Prerequisites: Senior standing and consent of instructor and American Studies advisor.*

+ Consult course description for prerequisite.



ANTHROPOLOGY

(School of Social and Behavioral Sciences)

Chairperson: Polly Pope, Ph.D., Professor

Associate Professors: Joann C. Fenton, Ph.D.; Kenneth L. Kuykendall, Ph.D.;
Sandra L. Orellana, Ph.D.

Assistant Professor: Edward B. Weil, Ph.D.

The Department of Anthropology, located in the School of Social and Behavioral Sciences, offers a major and minor in the discipline. Students may choose the concentration in general anthropology or another alternative available through special advisement in cultural resource management. The minor may be general in nature or in Medical Anthropology.

Anthropology is the study of people. What distinguishes Anthropology from other disciplines concerned with people is its holistic perspective. It is the study of the varied nature of human experience in American society and in other cultures of the world. Comparative and evolutionary, scientific and humanistic, Anthropology provides a unique opportunity for broadening and integrating one's view of human existence.

A major in the General Anthropology Concentration gives students a broad liberal arts education as well as training preparatory for advanced study in anthropology or professional programs in other areas. It is designed to provide background in each of the major subdivisions of the field—sociocultural anthropology, archaeology and biological anthropology—while allowing for focus upon particular areas of interest. Cultural Resource Management is designed to provide the undergraduate student with a background in general anthropology, archaeology, and prehistoric preservation policy. Recent federal and local legislation has mandated that cultural resources be considered among environmental factors to be included in conservation and preservation programs. Students will be introduced to anthropological and archaeological methodologies, field and laboratory techniques, and institutional, legal and bureaucratic concerns of cultural resource managers. A minor in Anthropology complements a major in many other disciplines and professional programs by providing a better understanding of people and social problems.

REQUIREMENTS FOR THE CONCENTRATION IN GENERAL ANTHROPOLOGY

Lower Division

Anthropology 100. Basic Studies Anthropology: Introduction to Culture (4)

Anthropology 115. Introduction to Archaeology and Physical Anthropology (4)

Upper Division

A. Required course:

Anthropology 288. Anthropological Theories of Behavior (4)

(Continued on the following page)

- B. A minimum of *one* course selected from each of the following groups:
1. Anthropology 210. Psychological Anthropology (4)
Anthropology 240. Social Structure (4)
 2. Anthropology 212. Language and Culture (4)
Anthropology 241. Folklore (4)
 3. Anthropology 213. Methods and Techniques of Archaeology (4)
Anthropology 250. Old World Archaeology (4)
Anthropology 251. New World Archaeology (4)
Anthropology 252. Public Archaeology (4)
Anthropology 260. Human Evolution (4)
Anthropology 262. Primate Social Behavior (4)
- C. Electives providing a minimum of 36 upper division quarter units may be selected from any of the upper division Anthropology courses.

REQUIREMENTS FOR THE MINOR IN ANTHROPOLOGY

Students may choose from *one* of the two concentrations:

- A. General concentration. This minor consists of *six courses* in Anthropology, one of which must be Anthropology 100, Basic Studies Anthropology. Of the remaining five courses, one of these may be in lower division anthropology.
- B. Medical Anthropology concentration.
1. Anthropology 100. Basic Studies Anthropology (4)
 2. Anthropology 115. Introduction to Archaeology and Physical Anthropology (4)
 3. Anthropology 210. Psychological Anthropology (4)
 4. Anthropology 245. Medical Anthropology (4)
 5. *One course* from the following:
 - Anthropology 244. Aging in Cross-Cultural Perspective (4)
 - Anthropology 247. Alcoholism: Origins, Ethnicity and the Individual (4)
 - Anthropology 248. Cultural Aspects of Mental Illness (4)
 - Anthropology 292. Special Topics (when concerned with aging, alcoholism or mental illness) (4)
 6. Plus *one* four-unit upper division anthropology course.

COURSE OFFERINGS IN ANTHROPOLOGY

Lower Division

- 100. BASIC STUDIES ANTHROPOLOGY: INTRODUCTION TO CULTURE (4).** Examination of the anthropological approach to the study of human behavior. The concept of culture, cultural institutions and processes, evolution of cultural systems, application of the concept of culture to current social problems.
- 115. INTRODUCTION TO ARCHAEOLOGY AND PHYSICAL ANTHROPOLOGY (4).** Introduction to archaeological methodology and human biology. Review of fossil evidence for the biological evolution of humans and archaeological evidence for the major stages in cultural development.

Upper Division

- 210. PSYCHOLOGICAL ANTHROPOLOGY (4).** An examination of the relationship between psychological factors and culture viewed in cross-cultural perspective. Topics include personality formation, visual patterning, effects of child rearing practices, stress under culture change.

212. **LANGUAGE AND CULTURE (4)**. Analysis of language as an aspect of culture. Relationship between language and culture patterns, dynamics of language and cultural change; the problem of meaning.
213. **METHODS AND TECHNIQUES OF ARCHAEOLOGY (4)**. Consideration of basic procedures and techniques used by archaeologists to excavate, analyze, and interpret prehistoric remains. Field trips to museums and excavation sites.
215. **MAGIC AND RELIGION (4)**. A comparative analysis of magico-religious systems in their cultural setting and the role of the supernatural in human societies.
220. **COMMUNITY ANTHROPOLOGY (4)**. Comparative analysis of patterns of community and urban culture. Study of intercultural relationships in a community or an urban area in both industrial and non-industrial social groups, including migrant populations.
230. **PEOPLES OF THE NEW WORLD (4)**. A survey of one or more cultural regions of the New World. Specific topics and areas may vary; for example: North America, South America, Mexico, and the Caribbean.
231. **PEOPLES OF THE OLD WORLD (4)**. A survey of one or more cultural regions of the Old World. Specific topics and areas may vary; for example: Europe, Sub-Saharan Africa, Middle East, India, Asia, Southeast Asia, Pacific.
240. **SOCIAL STRUCTURE (4)**. Introduction to principles of community organization through participation in research projects aimed at familiarization with objectives and methods of data testing in social anthropology.
241. **FOLKLORE (4)**. Theory and method in the study and collection of folktales, myths, legends, proverbs, riddles, and other forms of verbal tradition.
242. **POPULAR CULTURE AND RECREATION (4)**. An examination and analysis of popular cultural and artistic expression which provides entertainment for social groups. Cross cultural in approach with emphasis on the role of the participants and the relationship of the activity to the societal setting. Specific analyses of folk art, popular architecture, country-western music, festivals, and sports.
244. **AGING IN CROSS-CULTURAL PERSPECTIVE (4)**. Survey and analysis of cultural influences on the physical and social processes of aging. Examination and comparison of societal roles available to and assumed by older men and women of various cultures.
245. **MEDICAL ANTHROPOLOGY (4)**. Cross-cultural survey of critical problems common to anthropology and health-related fields; cultural ecology of health and pathology; folk medical practices; medical beliefs in relation to other aspects of culture; public health and medical education problems as affected by ethnic culture; effects of acculturation upon mental and physical health.
246. **ANTHROPOLOGY OF WORK (4)**. Examination of significance of work in contemporary societies. Cross-cultural comparisons of workers' life styles. Impact of changing cultural conditions on work patterns.
247. **ALCOHOLISM: ORIGINS, ETHNICITY, AND THE INDIVIDUAL (4)**. A survey of the range of drinking practices on a cross-cultural basis. Examination of cultural expectations in alcohol use. Emphasis on ethnicity as it affects alcoholism in American culture. Consideration of relationship between alcohol and drug abuse. Analysis of role cultural conflicts play in alcoholism.

248. **CULTURAL ASPECTS OF MENTAL ILLNESS (4)**. Cultural definition of mental illness, culturally-induced mental disorders, and affects of cultural variables on mental health care systems.
249. **ANTHROPOLOGY OF THE FUTURE (4)**. Examination of newly emerging questions and ideas about the cultural future of humankind, including such topics as alternative cultural futures, homogeneous or pluralistic cultures, the relation of cultural pluralism to a universal language, and the impact of extraterrestrial contact on human cultures.
250. **OLD WORLD ARCHAEOLOGY (4)**. Examination of the archaeological record of the Old World (Europe, Africa, Asia). Emphasis on the study and critical analysis of excavated materials, processes of culture change, and reconstructions of social patterns.
251. **NEW WORLD ARCHAEOLOGY * (4)**. In-depth examination of the archaeological record of the New World (North America, Mesoamerica, and Andean area). Emphasis on critical analysis of excavated materials, processes of culture change, and reconstructions of social patterns. Since specific topics and areas may vary, this course can be taken more than one.
252. **PUBLIC ARCHAEOLOGY (4)**. Review of the legal basis for Cultural Resource Management and the procedures used by archaeologists to implement policies of preservation and conservation. Environmental Impact Reports will be evaluated for their bureaucratic requirements and research potential.
260. **HUMAN EVOLUTION (4)**. Review of pre-human and human fossil discoveries and their implications for understanding human behavior. The relationship of human physical development and the beginning of culture. The biological variables to human and pre-human behavior will be assessed with regard to evolutionary theory development of culture. *Prerequisite: Anthropology 115 recommended.*
262. **PRIMATE SOCIAL BEHAVIOR (4)**. Survey of the social behavior and organization of monkeys and apes and their relevance to the evolution of human behavior and social organization.
275. **ETHNOGRAPHIC METHODS AND TECHNIQUES (4)***. Field study of a selected subculture under supervision and with instruction to acquaint students with techniques of obtaining, ordering, and analyzing cultural data. Students complete a research project based on field experience. Strongly recommended for cultural anthropology students. *Prerequisite: Anthropology 100 or equivalent.*
288. **ANTHROPOLOGICAL THEORIES OF BEHAVIOR (4)**. Historical survey and critical analysis of major schools of Anthropological thought employed in explaining sociocultural behavior and phenomena. *Prerequisite: One course in Anthropology.*
292. **SPECIAL TOPICS IN ANTHROPOLOGY (4)**. An intensive study of an issue, or concept or theory in anthropology that is of special interest to both the faculty member and the students. *Prerequisite: Consent of instructor.*
298. **INDEPENDENT STUDY (2,4)***. Independent study of a particular problem under the direction of a member of the anthropology department. *Prerequisite: Consent of instructor.*

* Repeatable course.

ART

(School of Humanities and Fine Arts)

Chairperson: S. Glen White, M.F.A., Associate Professor

Professors: Norman Neuerburg, Ph.D., Noreen Larinde, Ph.D.

Associate Professor: John Goders, M.F.A.; Gilah Hirsch, M.F.A.; Ernest Rosenthal

Assistant Professors: Bernard Baker, M.F.A.; Arthur Harshman, Ph.D.; Louise Ivers, Ph.D.

The art program at California State University Dominguez Hills is marked by the close correlation of the art history and art studio programs, and by the strong connection between the different studio areas. Students may specialize in art history, art studio (with emphasis in drawing, painting, sculpture, or printmaking), design, or a single subject major for prospective secondary school teachers.

The art history program offers one of the richest series of courses to be found at the undergraduate level in the CSUC system, while the studio and design programs offer close supervision in small class situations with an actively producing faculty.

In the **art history** program the objectives are:

1. To provide each student with an overview of art history.
2. To provide a detailed introduction to most of the major periods and areas of art history.
3. To allow a concentration in one major area of emphasis.
4. To introduce the student to research technique.

In the **studio art** program the objectives are:

1. To provide each student with a basic introduction to drawing, painting, sculpture, and printmaking.
2. To develop skills and techniques at the upper-division level in the student's main area of interest.
3. To provide an overview of art history and some detailed knowledge of a particular period.
4. To encourage the student to explore new techniques in art and to think of art in terms of ideas.
5. To increase aesthetic awareness and individual sensibilities.

In the **design** program the objectives are:

1. To introduce the student to communication methods through the visual arts.
2. To stimulate interest in further developing job-oriented skills.
3. To introduce the career-minded student of art to the professional field of communication design.
4. To develop skills that will aid the serious student in further professional education and practice.

The program in art is accredited by the National Association of Schools of Art.

REQUIREMENTS FOR THE MAJOR IN ART

With an Option in Art History

Lower Division

- A. Any *two* of the following three courses:
- Art 101. Introduction to Western Art I (4)
 - Art 102. Introduction to Western Art II (4)
 - Art 103. Introduction to Arts of Asia (4)
- B. Plus *one* of the following courses:
- Art 150. Ceramics I (3)
 - Art 155. Jewelry and Metal Casting (3)
 - Art 165. Beginning Printmaking (3)
 - Art 170. Art Structure I (3)
 - Art 171. Art Structure II (3)
 - Art 172. Art Structure III (3)
 - Art 179. Beginning Drawing (3)
 - Art 180. Beginning Painting (3)
 - Art 190. Beginning Sculpture (3)

Upper Division

48 units are required:

- A. Ten 200-level art history courses, at least three of which are to be in an Emphasis Area, related geographically or chronologically, to be selected upon advisement. Courses within an Emphasis area may be taken in any order. Typical examples of Emphasis Areas are:
1. Art of Egypt and the Near East, Art of Greece, Art of Rome.
 2. Early Christian and Byzantine Art, Romanesque and Gothic Art, Italian Renaissance Art.
 3. Italian Renaissance, Northern Renaissance, Baroque Art.
 4. Nineteenth Century Art, Twentieth Century Art, Art Since 1945.
 5. Twentieth Century Art, Art Since 1945, Modern Architecture.
 6. Art of China and Korea, Art of Japan.
 7. Pre-Columbian Art, Art of Latin America, Art of California and the Southwest.
 8. American Art, Art of California and the Southwest.
- B. Art 395. Senior Seminar in Theories of Art Criticism. (4)
- C. Art 397. Directed Research. (4) In the student's area of emphasis.

It is strongly recommended that those planning to pursue graduate work in Art History take history courses related to their area of emphasis, and at least two years of a foreign language, German or French.

REQUIREMENTS FOR THE MAJOR IN ART

With an Option in Studio Art

Lower Division

Required courses:

- A. Any *two* of the following three courses:
- Art 101. Introduction to Western Art I (4)
 - Art 102. Introduction to Western Art II (4)
 - Art 103. Introduction to Arts of Asia (4)

(Continued on the following page)

- B. Art 165. Beginning Printmaking (3)
- Art 170. Art Structure I (3)
- Art 171. Art Structure II (3)
- Art 172. Art Structure III (3)
- Art 179. Beginning Drawing (3)
- Art 180. Beginning Painting (3)
- Art 190. Beginning Sculpture (3)
- C. Electives:
 - Art 150. Ceramics I (3)
 - Art 155. Jewelry and Metal Design (3)

Upper Division

48 units are required:

- A. Twelve upper division units in Art History.
- B. Twelve courses from the following lists; *four* courses must be from the same list.
 1. DRAWING
 - Art 271. Drawing I (3)
 - Art 272. Drawing II (3)
 - Art 273. Life Drawing I (3)
 - Art 274. Life Drawing II (3)
 2. PAINTING
 - Art 280. Painting I (3)
 - Art 284. Painting II (3)
 - Art 286. Painting III (3)
 - Art 287. Painting Media (3)
 - Art 288. The Human Figure in Painting (3)
 3. GRAPHICS
 - Art 276. Intaglio I (3)
 - Art 278. Intaglio II (3)
 - Art 279. Lithography I (3)
 - Art 282. Lithography II (3)
 - Art 283. Silkscreen (3)
 4. SCULPTURE
 - Art 285. Sculpture: Carving (3)
 - Art 289. The Human Figure in Sculpture (3)
 - Art 290. Sculpture: Welding (3)
 5. CRAFTS
 - Art 256. Glass Blowing (3)
 - Art 258. Metal Casting (3)
 - Art 261. Ceramics II (3)
- C. Electives: (May *not* be substituted for courses listed in category B.)
 - Art 239. Display and Exhibition Design (3)
 - Art 240. Career Management for the Artist (4)
 - Art 269. Concepts of Art (3)
 - Art 270. Advanced Creative Photography (4)
- D. Repeatable 200-level courses may not be taken more than twice within the art studio program. Credit for such courses taken a third time will be transferred to electives and will not count toward the major.

REQUIREMENTS FOR THE MAJOR IN ART

With an Option in Design

Lower Division

- A. Any *two* of the following three courses:
 - Art 101. Introduction to Western Art I (4)
 - Art 102. Introduction to Western Art II (4)
 - Art 103. Introduction to Arts of Asia (4)
- B. Art 165. Beginning Printmaking (3)
 - Art 170. Art Structure I (3)
 - Art 171. Art Structure II (3)
 - Art 172. Art Structure III (3)
 - Art 179. Beginning Drawing (3)
 - Art 180. Beginning Painting (3)
 - Art 190. Beginning Sculpture (3)
- C. Electives: (May not be substituted for courses listed in category B.)
 - Art 150. Ceramics I (3)
 - Art 155. Jewelry and Metal Design (3)

Upper Division

- A. Eight upper-division units in Art History
- B. Three 200-level studio courses:
 - Art 271. Drawing I (3)
 - Art 280. Painting I (3)
 - Art 285. Sculpture: Carving (3)
- C. *One* of the following:
 - Art 276. Intaglio I (3)
 - Art 279. Lithography I (3)
- D. Nine 200-level courses in design (28 units)
 - Art 241. Perspective Drawing (3)
 - Art 242. Rendering Techniques (3)
 - Art 243. Production Techniques (3)
 - Art 244. Graphic Design I (3)
 - Art 245. Graphic Design II (3)
 - Art 246. Package Design (3)
 - Art 247. Corporate Identity and Typography (3)
 - Art 248. Illustration (3)
 - Communications 275. Basic Photography (4)

REQUIREMENTS FOR THE MINOR IN ART HISTORY

- A. Three 200-level courses in a single Emphasis Area to be selected by advisement. (12 units)
- B. Three 200-level electives selected from the Art History courses. (12 units)
- C. Strongly recommended, if the student has not already had them or the equivalent, are the lower division Art 101, Art 102, and Art 103.

REQUIREMENTS FOR THE MINOR IN STUDIO ART**Lower Division**

- A. Art 170. Art Structure I (3)
- B. *One* of the following:
 - Art 171. Art Structure II (3)
 - Art 190. Beginning Sculpture (3)
- C. *One* of the following:
 - Art 165. Beginning Printmaking (3)
 - Art 179. Beginning Drawing (3)
 - Art 180. Beginning Painting (3)

Upper Division

24 units are required: eight 200-level studio art courses.

REQUIREMENTS FOR THE MINOR IN DESIGN**Lower Division**

- A. Three 100-level studio courses:
 - Art 170. Art Structure I (3)
 - Art 171. Art Structure II (3)
 - Art 179. Beginning Drawing (3)

Upper Division

24 units are required.

- A. *Three* 200-level courses from the following list:
 - Art 271. Drawing I (3)
 - Art 276. Intaglio I (3)
 - Art 279. Lithography I (3)
 - Art 280. Painting I (3)
 - Art 285. Sculpture: Carving (3)
- B. Art 243. Production Techniques (3)
- Art 244. Graphic Design I (3)
- Art 247. Corporate Identity and Typography (3)
- C. *Two* 200-level courses from the following list:
 - Art 241. Perspective Drawing (3)
 - Art 242. Rendering Techniques (3)
 - Art 245. Graphic Design II (3)
 - Art 246. Package Design (3)
 - Art 248. Illustration (3)
 - Communications 275. Basic Photography (4)

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN ART *

This program requires 48 units of upper division course work. It requires an additional academic minor outside of the field of art.

(Continued on the following page)

* For additional credential requirements, including professional preparation, see page 401.

Lower Division

- A. Any *two* of the following three courses:
 Art 101. Introduction to Western Art I (4)
 Art 102. Introduction to Western Art II (4)
 Art 103. Introduction to Arts of Asia (4)
- B. Art 165. Beginning Printmaking (3)
 Art 170. Art Structure I (3)
 Art 171. Art Structure II (3)
 Art 172. Art Structure III (3)
 Art 179. Beginning Drawing (3)
 Art 180. Beginning Painting (3)
 Art 190. Beginning Sculpture (3)

Upper Division

- A. Three 200-level courses in art history in one emphasis area (12 units)
- B. Art 269. Concepts of Art (3)
 Art 271. Drawing I (3)
 Art 280. Painting I (3)
 Art 285. Sculpture: Carving (3)
- C. *One* of the following sets (1-4):
 1. Art 276. Intaglio I (3), *and*
 Art 278. Intaglio II (3), *or*
 2. Art 279. Lithography I (3), *and*
 Art 282. Lithography II (3), *or*
 3. Two courses selected from the Design option, *or*
 4. Two courses selected from the Ceramics offerings:
 Art 150. Ceramics I (3)
 Art 261. Ceramics II (3)
- D. *One* advanced course in the areas of: drawing, painting, sculpture; and one from graphics, design, or ceramics, selected from the following lists:
- DRAWING
 Art 272. Drawing II (3)
 Art 273. Life Drawing I (3)
 Art 274. Life Drawing II (3)
- PAINTING
 Art 284. Painting II (3)
 Art 286. Painting III (3)
 Art 287. Painting Media (3)
 Art 288. The Human Figure in Painting (3)
- SCULPTURE
 Art 289. The Human Figure in Sculpture (3)
 Art 290. Sculpture: Welding (3)
- GRAPHICS
 Art 278. Intaglio II (3)
 Art 282. Lithography II (3)
 Art 283. Silkscreen (3)

(Continued on the following page)

DESIGN

- Art 239. Display and Exhibition Design (3)
- Art 241. Perspective Drawing (3)
- Art 242. Rendering Techniques (3)
- Art 243. Production Techniques (3)
- Art 244. Graphic Design I (3)
- Art 245. Graphic Design II (3)
- Art 246. Package Design (3)
- Art 247. Corporate Identity and Typography (3)
- Art 248. Illustration (3)

CERAMICS

- Art 150. Ceramics I (3)
- Art 261. Ceramics II (3)

E. Two additional courses (6 units) at the 200-level in studio art in one's area of specialization.

COURSE OFFERINGS IN ART

Lower Division

- 101. INTRODUCTION TO WESTERN ART I (4).** An overview of the major works of art and architecture created in the Western world, from pre-historic times through the Middle Ages. Each style of art is related to the society which produced it. F (d), W (e), S (d)
- 102. INTRODUCTION TO WESTERN ART II (4).** An overview of the major works of art and architecture created in the Western world from the Renaissance through the modern period. Each style of art is related to the society which produced it. F (d/e), W (d/e), S (d/e)
- 103. INTRODUCTION TO ARTS OF ASIA (4).** An introduction to the arts of India, Central Asia, China, Korea, and Japan. Discussion of East-West relations and Asian concepts. W (d)
- 150. CERAMICS I (3)†.** History and introduction to ceramics. Design problems with ceramics materials emphasizing hand forming and low-fire glazing and firing techniques. *Six hours of studio work per week.* F (d)
- 165. BEGINNING PRINTMAKING (3)†.** Printmaking techniques, including relief and intaglio methods. *Six hours of studio work per week.* F (d), W (e), S (d)
- 170. ART STRUCTURE I (3).** Principles of design as they relate to two-dimensional elements (point, line, shape, texture, color, etc.) and their composition on the pictorial surface. Introduction to various two-dimensional media. *Six hours of studio work per week.* F (d), S (e)
- 171. ART STRUCTURE II (3).** Principles of design as they relate to the three-dimensional elements (line, plane, volume) and their composition in space. Introduction to various three-dimensional media. *Six hours of studio work per week.* W (d)
- 172. ART STRUCTURE III (3).** Application of color to two and three dimensional forms. Includes sources of color—light and pigment, additive and subtractive color mixing, color selection, color relationships, psychological effects of color. Prerequisites: Art 170, 171, or consent of the instructor.
- 179. BEGINNING DRAWING (3).** A foundation course in drawing, oriented to the understanding and use of various systems of graphic representation. *Six hours of studio work per week.* F (d), W (e), S (d)

† Quarterly materials fee of \$5.

- 180. BEGINNING PAINTING (3).** A foundation course introducing the student to problems of pictorial space, organization, and color through the use of two-dimensional painting media. *Six hours of studio work per week. Art 179 is strongly recommended before taking Art 180.* F (d), W (e)
- 190. BEGINNING SCULPTURE (3)†.** Basic theory and methods of creating sculptural form. Emphasis on additive processes, including clay modeling. Firing and wastemold casting. *Six hours of studio work per week.*

Upper Division

All art majors are expected to have taken Art 101 and Art 102 or equivalents before taking any 200-level courses in art history.

- 208. ART OF EGYPT AND THE NEAR EAST (4).** The architecture, sculpture, painting and minor arts of Egypt and the Near East from the beginnings of civilization to the time of Alexander the Great. F (d)
- 210. ART OF GREECE (4).** The architecture, sculpture, painting, and minor arts of Ancient Greece from the 3rd millennium to the 1st Century B.C. W (d)
- 211. ART OF ROME (4).** The architecture, sculpture, painting and minor arts of ancient Italy and the Roman Empire from the 8th Century B.C. to 315 A.D. S (d)
- 215. EARLY CHRISTIAN AND BYZANTINE ART (4).** The architecture, painting, sculpture, and minor art from the Age of Constantine to the Coronation of Charlemagne in the West and to the Fall of Constantinople in the East. W (d)
- 216. ROMANESQUE AND GOTHIC ART (4).** Architecture, sculpture, and painting of Western Europe from the time of Charlemagne until the advent of the Renaissance. S (d)
- 220. ITALIAN RENAISSANCE ART (4).** The architecture, sculpture, and painting of Italy from the late thirteenth century to the early sixteenth century. F (d)
- 221. NORTHERN RENAISSANCE ART (4).** The architecture, sculpture, and painting of Northern Europe in the fifteenth and sixteenth centuries. W (d)
- 225. BAROQUE ART (4).** The architecture, painting, and sculpture of Western Europe in the seventeenth and eighteenth centuries. S (d)
- 230. NINETEENTH CENTURY ART (4).** The architecture, painting, and sculpture of Europe in the nineteenth century. F (d), S (d)
- 231. TWENTIETH CENTURY ART (4).** Twentieth-century architecture, painting, and sculpture as a reflection of modern thought. F (d), W (d), S (d)
- 232. MODERN ARCHITECTURE (4).** History of the technological and stylistic developments in the architecture of the nineteenth and twentieth centuries. W (e)
- 233. ART SINCE 1945 (4).** Painting, sculpture, prints, and architecture since 1945. *Prerequisite: Art 231 or equivalent or consent of instructor.* F (d), S (d)
- 235. ASIAN ARTS I: ART OF CHINA AND KOREA (4).** A study of the visual arts of China and Korea. W (d)
- 236. ASIAN ARTS II: ART OF JAPAN (4).** A study of the visual arts of Japan. (Art 235 and 236 may be taken separately and in either order.) S (d)
- 239. DISPLAY AND EXHIBITION DESIGN (3).** A studio course in the design and creative use of materials, processes, and concepts in the preparation of exhibitions and displays. Theoretical and applied projects will be required, including the design and installation of campus art gallery projects. *Six hours of studio work per week. Prerequisite: Art 170.*

- 240. CAREER MANAGEMENT FOR THE ARTIST (4).** An examination of the business aspects of the artist's career. Relationships with gallery directors, museum curators, collectors, and colleagues. *Prerequisite: Upper division standing. S (e)*
- 241. PERSPECTIVE DRAWING (3).** Mechanical and freehand drawing using the principles of geometry to develop spatial imagery. Includes freehand perspective sketching techniques and instrument drawing using measuring point method and perspective grids. *Six hours of studio work per week. Prerequisite: Art 179.*
- 242. RENDERING TECHNIQUES (3).** Basic drawing skills as a form of visual communication in design. Emphasis media will be marker, pastel and prisma pencil. Problems in graphic layout, product and packaging proposal drawing. *Six hours of studio work per week. Prerequisite: Art. 179.*
- 243. PRODUCTION TECHNIQUES (3)†.** A studio course in the techniques of preparing art materials for commercial reproduction. Problems in layout and paste-up, color separation, binding, paper selection, and job estimating. *Six hours of studio work per week. Prerequisite: Art 170.*
- 244. GRAPHIC DESIGN I (3)†.** Studio course dealing with fundamental skills and knowledge utilized in visual communication. Design and production of mass media advertising pieces including direct mailing and TV graphics, plus newspaper and periodical make-up. Problems in composing graphic imagery, materials and indication techniques. *Six hours of studio work per week. Prerequisite: Art 170.*
- 245. GRAPHIC DESIGN II (3)†.** A continuation of Art 244 emphasizing advanced graphic design skills and knowledge applied to design projects. Includes point-of-purchase display, project presentation, client/designer relationship, comprehensive construction, and advanced graphic design lab techniques. *Six hours of studio work per week. Prerequisite: Art 170 and Art 244.*
- 246. PACKAGE DESIGN (3).** A studio course emphasizing graphic design as applied to packaging, including board and paper selection, die drawing, manufacturing and printing, consumer response, and design procedures and mock-up construction. *Six hours of studio work per week. Prerequisite: Art 171.*
- 247. CORPORATE IDENTITY AND TYPOGRAPHY (3).** Studio course emphasizing the use of typography and symbology as a form of graphic imagery and organizational identity. Study will include typographic structure and styles, copy fitting, type indications, logo image design and corporate identification programs. *Six hours of studio work per week. Prerequisite: Art 170.*
- 248. ILLUSTRATION (3).** Drawing and rendering techniques applied to illustrative graphics spanning a variety of techniques in several media. Includes illustrations from live fashion models, commercial sets, product renderings, and conceptual subject matter. *Six hours of studio work per week. Prerequisite: Art 179.*
- 250. AMERICAN ART (4).** A study of the ways in which American artists, architects, and designers have reacted to, been influenced by, and initiated important world trends in the arts. F (d)
- 253. ART OF CALIFORNIA AND THE SOUTHWEST (4).** The art and architecture of California, Arizona, New Mexico, Texas, and contiguous areas from prehistoric to more recent times. Emphasis on the nature of regional variations related to broader art historical movements. F (d)
- 256. GLASS BLOWING (3)†.** Basic methods of forming molten glass, covering both functional and aesthetic applications. *Six hours of studio work per week. Prerequisite: Art 190 or Art 171 or Art 150.*

† Quarterly materials fee of \$5.

* Repeatable course.

258. **METAL CASTING (3)* †**. Molding and casting non-ferrous metals, with emphasis on sculptural applications. *Six hours of studio work per week. Prerequisite: Art 285 or Art 290.*
260. **LATIN AMERICAN ART (4)**. The architecture, painting, and sculpture of the various Latin American nations from the conquest to present times.
261. **CERAMICS II (3)* †**. Investigation of clay bodies with an emphasis on wheel throwing techniques. *Six hours of studio work per week. F (d), W (e), S (e)*
262. **PRE-COLUMBIAN ART (4)**. The architecture, sculpture, painting, and minor arts of the pre-Columbian cultures of the Western Hemisphere, with emphasis on Mexico and Peru. *W (d)*
269. **CONCEPTS OF ART (3)**. Exploration of ideas prevalent in traditional and contemporary art by means of student art projects. Emphasis on realization of idea in form and medium. Discussion and slides of various artists and movements. *Six hours of studio work per week. Principally for art majors; others by consent of instructor. F (d), W (d), S (e)*
270. **ADVANCED CREATIVE PHOTOGRAPHY (4)**. The creative and expressive dimensions of photography as a Fine Art. Special attention with a focus upon the aesthetics of form and subjectivity of content. *Two hours lecture and four hours lab work per week. Prerequisite: Communications 275.*
271. **DRAWING I (3)**. Development of skill in graphic representation, stressing an understanding of pictorial space and organization. Problems of technique and media. *Six hours of studio work per week. Prerequisite: Art 179 or equivalent. F (d), W (e)*
272. **DRAWING II (3)***. Advanced studies in graphic representation, with special emphasis on aesthetic development, experimentation, and individual problem-solving. *Six hours of studio work per week. Prerequisites: Art 179 and 271. S (d)*
273. **LIFE DRAWING I (3)**. † Development of the graphic representation of the human form. Live models used to introduce problems of form, structure, and anatomy. *Six hours of studio work per week. Prerequisite: Art 179 or equivalent. F (e)*
274. **LIFE DRAWING II (3)* †**. An advanced course in the graphic study of the human figure. Emphasis upon the creative interpretation of form and structure through media. *Six hours of studio work per week. Prerequisite: Art 273. W (e)*
276. **INTAGLIO I (3) †**. A foundation course in intaglio printmaking, introducing the process of aquatint, soft ground, and hard ground etching. *Six hours of studio work per week. Prerequisite: Art 165. W (d)*
278. **INTAGLIO II (3)* †**. Special projects in selected aspects of intaglio printmaking. *Six hours of studio work per week. Prerequisite: Art 276. S (e)*
279. **LITHOGRAPHY I (3) †**. An introduction to the basic techniques of lithographic printmaking processes. *Six hours of studio work per week. Prerequisites: Art 165 and Art 179. W (d)*
280. **PAINTING I (3)**. Problems in the creative use of the materials of painting. Emphasis on visual concepts, interpretation, and expression. *Six hours of studio work per week. Prerequisites: Art 170 and 180. F (d), S (e)*

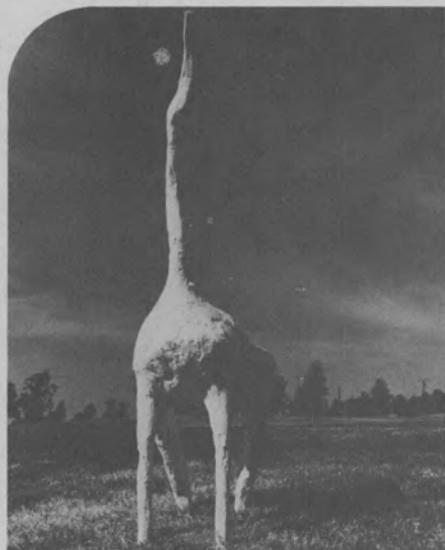
† Quarterly materials fee of \$5.

* Repeatable course.

282. **LITHOGRAPHY II (3)* †**. Special projects in selected aspects of lithographic printmaking. *Six hours of studio work per week. Prerequisite: Art 279. S (d)*
283. **SILKSCREEN (3)* †**. An introduction to basic stencil printmaking processes. *Six hours of studio work per week. S (d)*
284. **PAINTING II (3)**. Development of a more comprehensive understanding of materials and methods as they relate to current concepts of painting. Problems of color field, shaped canvas, and geometric abstraction. *Six hours of studio work per week. Prerequisite: Art 280. S (e)*
285. **SCULPTURE: CARVING (3)* †**. Creation of sculptural form through subtractive processes, including plaster, wood and stone carving. Use of hand and power tools. *Six hours of studio work per week. Prerequisite: Art 190.*
286. **PAINTING III (3)***. Advanced study emphasizing aesthetic development, personal imagery, and individual critical awareness. Self-initiated studio problems. *Six hours of studio work per week. Prerequisite: Art 284. S (e)*
287. **PAINTING MEDIA (3)**. A study of the traditional and contemporary methods and materials. Development of an understanding and appreciation of the technical problems common to the media of the painter. *Six hours of studio work per week. S (e)*
288. **THE HUMAN FIGURE IN PAINTING (3)* †**. Study of the structural and symbolic implications of the human form in terms of painting techniques and styles. Problems emphasizing the development of personal expression. *Six hours of studio work per week. Prerequisite: Art 190; Art 273 recommended. S (e)*
289. **THE HUMAN FORM IN SCULPTURE (3)* †**. Structural and symbolic interpretation of human form from a live model. Anatomy as it relates to sculptural expression. *Six hours of studio work per week. Prerequisite: Art 190; Art 273 recommended.*
290. **SCULPTURE: WELDING (3)* †**. Creation of sculptural form through cold and hot metal fabricating processes. Projects may include line, plane, found-object and mixed-media compositions. *Six hours of studio work per week. Prerequisites: Art 190.*
291. **SPECIAL STUDIES IN ART (4)***. Detailed study of a period, area, figure, or movement in the history of art. F, S
395. **SEMINAR IN THEORIES OF ART CRITICISM (4)**. Various approaches to art criticism throughout the centuries with particular emphasis on contemporary problems of criticism. *Prerequisites: Senior standing and consent of instructor. S (d)*
397. **DIRECTED RESEARCH (1, 2, 3, or 4)**. Preparation of a research paper on a selected topic. *Prerequisite: Consent of department chairperson. F, W, S*
398. **INDEPENDENT STUDY (1, 2, 3, or 4)**. An art project undertaken with the advice and supervision of an art faculty member. *Prerequisites: Senior standing as art major or minor; consent of instructor and department chairperson. Art 298 may not be substituted for a required course in the major or minor without prior consent of instructor and advisor. F, W, S*

* Repeatable course.

† Quarterly materials fee of \$5.



BEHAVIORAL SCIENCES

(School of Social and Behavioral Sciences)

Members of the Behavioral Sciences Undergraduate Committee:

Chairperson: Richard Palmer, Ph.D., Associate Professor (Political Science)

Professors: Polly Pope, Ph.D., (Anthropology)

Associate Professors: Noelie Rodriguez, Ph.D. (Sociology); Fred Shima, Ph.D. (Psychology)

Assistant Professor: Linda Groff, Ph.D. (Political Science)

The Undergraduate program in Behavioral Sciences is designed to provide the student with a broad, systematic understanding of human behavior, and of the biological, psychological, cultural, and social forces that influence such behavior.

B.A. DEGREE REQUIREMENTS FOR THE MAJOR IN BEHAVIORAL SCIENCES

Prerequisite

One course in elementary statistics selected from the following:

- + Mathematics 150. Elementary Statistics and Probability (4)
- Psychology 130. Elementary Statistical Analysis in Psychology (4)
- Sociology 120. Descriptive Statistics for Sociology (4)

Upper Division

A. Three courses, on modern theories or systems and their historical origins, in the core areas of the behavioral sciences—anthropology, psychology, and sociology:

Required courses:

- Anthropology 288. Anthropological Theories of Behavior (4)
- Psychology 205. History and Systems of Psychology (4)
- Sociology 255. Modern Sociological Theories (4)

B. Three additional courses, one in each of the three core areas of the behavioral sciences selected from the following, with no more than two courses in a single discipline. *Students with a minor in anthropology, psychology, or sociology are to select courses outside the minor.*

One anthropology course, selected from the following:

- Anthropology 210. Psychological Anthropology (4)
- Anthropology 212. Language and Culture (4)
- Anthropology 240. Social Structure (4)
- Anthropology 241. Folklore (4)
- + Anthropology 262. Primate Social Behavior (4)

(Continued on the following page)

+ Consult course description for prerequisite.

One psychology course, selected from the following:

- Psychology 212. Theories of Learning (4)
- Psychology 240. Social Psychology: Psychological Perspective (4)
- Psychology 250. Developmental Psychology (4)
- Psychology 260. Theories of Personality (4)
- Psychology 263. The Abnormal Personality (4)

One sociology course, selected from the following:

- Sociology 214. Formal Organizations (4)
- Sociology 240. Social Psychology: Sociological Perspective (4)
- Sociology 265. Deviant Behavior (4)
- Sociology 352. Sociology of Conversation (4)
- Sociology 354. Sociology of Knowledge (4)

C. One course relating to political behavior, selected from the following:

- Political Science 236. Theories of International Relations (4)
- Political Science 270. Public Opinion and Propaganda (4)
- Political Science 271. Conflict and Violence (4)
- Political Science 273. Psychology and Politics (4)

D. One course relating to biology and human behavior:

- Biological Science 270. Biological Bases of Human Behavior (4)

E. Behavioral Science 390. Seminar in Behavioral Sciences (4)

REQUIREMENTS FOR THE MINOR IN BEHAVIORAL SCIENCES

Upper Division

A total of six courses, distributed as follows, are required:

A. *Four* courses in the core disciplines of the behavioral sciences (i.e. anthropology, psychology, or sociology) selected from the following, with no more than *two* courses in a single discipline. *Students with a major in anthropology, psychology, or sociology are to select courses outside the major.*

- Anthropology 210. Psychological Anthropology (4)
- Anthropology 212. Language and Culture (4)
- Anthropology 240. Social Structure (4)
- Anthropology 241. Folklore (4)
- + Anthropology 262. Primate Social Behavior (4)
- Anthropology 288. Anthropological Theories of Behavior (4)
- Psychology 205. History and Systems of Psychology (4)
- Psychology 212. Theories of Learning (4)
- Psychology 240. Social Psychology: Psychological Perspective (4)
- Psychology 250. Developmental Psychology (4)
- Psychology 260. Theories of Personality (4)
- Psychology 263. The Abnormal Personality (4)
- Sociology 214. Formal Organizations (4)
- Sociology 240. Social Psychology: Sociological Perspective (4)
- Sociology 255. Modern Sociological Theories (4)
- Sociology 265. Deviant Behavior (4)
- Sociology 352. Sociology of Conversation (4)
- Sociology 354. Sociology of Knowledge (4)

(Continued on the following page)

- B. *One* course relating to political behavior, selected from the following:
Political Science 236. Theories of International Relations (4)
Political Science 270. Public Opinion and Propaganda (4)
Political Science 271. Conflict and Violence (4)
Political Science 273. Psychology and Politics (4)
- C. Behavioral Science 390. Seminar in Behavioral Sciences (4)

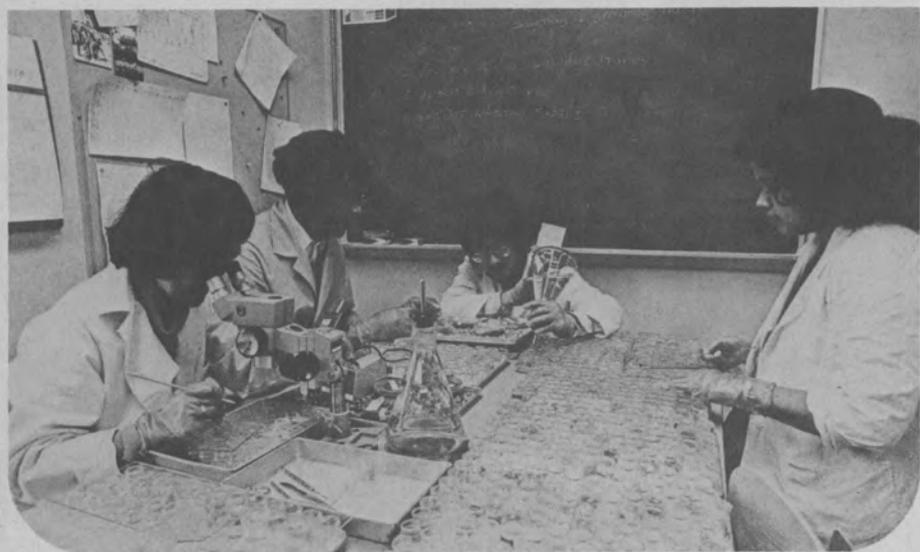
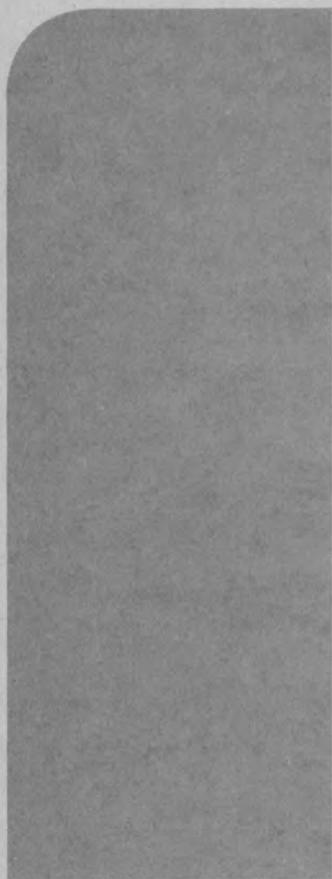
COURSE OFFERING

Upper Division

- 390. SEMINAR IN BEHAVIORAL SCIENCES (4).** A seminar designed to integrate previous course work by approaching selected problems from the perspectives of the various behavioral sciences. Preparation of seminar paper. *Prerequisites: Senior standing and consent of instructor.*

Graduate

- See the Graduate Bulletin in this catalog for all graduate courses in Behavioral Science offered at California State University Dominguez Hills.



BIOLOGICAL SCIENCE

(School of Natural Sciences and Mathematics)

Chairperson: Carol Guzé, Ph.D., Professor

Professors: Harbans L. Arora, Ph.D.; David E. Brest, Ph.D.; Lois W. Chi, Ph.D.; Evelyn T. Childress, Ph.D.; Gene A. Kalland, Ph.D.

Associate Professors: Dallas V. Colvin, Ph.D.; Robert V. Giacosisie, Ph.D.; Richard T. Kuramoto, Ph.D.; Francis D. McCarthy, Ph.D.; David J. Morafka, Ph.D.

Assistant Professors: Laura M. Phillips, Ph.D.; Laura J. Robles, Ph.D.

The Department of Biological Science offers six curricular programs, including two major options awarding the B.A. degree, three minors, and a graduate program offering an M.A. degree. The undergraduate major emphasizes a rigorous and balanced approach to the study of living organisms. Some specialization can be achieved through the selection of options and choice of electives within the major. With a suitable minor, the major in Biological Science may serve to prepare students for careers in teaching, industry, and scientific laboratories, or to fulfill the entrance requirements for medical, dental, veterinary, medical technology, or graduate schools.

The department has recognized strong interest in the biology of the human organism and offers several courses for majors and non-majors in human biology.

In addition to the curricular programs and courses which are described below, the department offers the student a 20-acre on-campus Natural Preserve for field studies, opportunity for marine studies through membership in the Southern California Ocean Studies Consortium, a Natural History Museum with an opportunity to become a student curator, and the opportunity to perform undergraduate Directed Research.

(All graduate courses in Biological Science are listed in the Graduate Bulletin of this catalog, with the requirements for graduate degrees and credentials offered by the University.)

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN BIOLOGICAL SCIENCE—GENERAL OPTION

A total of 81–88 units of biological science, chemistry, math and physics is required for the Bachelor of Arts in Biological Science major with the general option. Forty-three to 49 units are in lower division prerequisite courses, and may, where allowed, also be used to meet General Education requirements; 38–39 units are in upper division biological science and chemistry.

Lower Division

Prerequisites to upper division standing in Biological Science—General Option are the following courses which may, where allowed, also be used to meet General Education requirements:

- Biological Science 110-112-114. Principles of Biology (12)
- Chemistry 110-112-114. General Chemistry I, II, III (15)
- Mathematics 110-112. Differential and Integral Calculus I and II * (8), *or*
Mathematics 120-122. Survey of Calculus I and II (8)
and one course chosen from:
- Computer Science 160. Computer Programming in FORTRAN (4)
- Mathematics 150. Elementary Statistics and Probability (4)
- Physics 120-122. Elements of Physics (8), *or*
Physics 110-112 or 110-114. General Physics (10)

Upper Division

A. Required Courses:

- Biological Science 210. Organism Biology—Plant (4)
- Biological Science 212. Organism Biology—Animal (4)
- Biological Science 214. Embryology (4)
- Biological Science 220. Cell Biology (4)
- Biological Science 232. Ecology (4)
- Biological Science 240. Genetics (4)
- Biological Science 294. Senior Seminar in Biology (1)
- Chemistry 216-217. Introductory Organic Chemistry (6), *or*
Chemistry 210-211. Organic Chemistry I (5)

B. An additional *eight units* selected from those courses in Biological Science allowed toward the Major (see course descriptions) and the courses below. The total credit for Biological Science 297 cannot exceed four units.

- + Chemistry 220. Physical Chemistry I (4)
- Chemistry 250. Biochemistry I (5)

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN BIOLOGICAL SCIENCE—HUMAN BIOLOGY OPTION

A total of 91–98 units of biological science, chemistry, math, physics, and anthropology is required for the Bachelor of Arts in Biological Science major with the human biology option. Forty-seven to 53 units are in lower division prerequisite courses, and may, where allowed, also be used to meet General Education requirements; 44–45 units are in upper division biological science, chemistry or anthropology courses.

Lower Division

Prerequisites to upper division standing in Biological Science—Human Biology Option are the following courses which may, where allowed, also be used to meet General Education requirements:

* Recommended for students intending to apply to professional graduate school.
+ Consult course description for prerequisite.

- Anthropology 111. Basic Physical Anthropology (4)
 Biological Science 110-112-114. Principles of Biology (12)
 Chemistry 110-112-114. General Chemistry I, II, III (15)
 Mathematics 110-112. Differential and Integral Calculus I and II * (8), *or*
 Mathematics 120-122. Survey of Calculus I and II (8)
and one course chosen from:
 Computer Science 160. Computer Programming in FORTRAN (4)
 Mathematics 150. Elementary Statistics and Probability (4)
 Physics 120-122. Element of Physics (8), *or*
 Physics 110-112 *or* 110-114. General Physics (10)

Upper Division

A. Required Courses:

- Biological Science 210. Organism Biology—Plant (4)
 Biological Science 212. Organism Biology—Animal (4)
 Biological Science 214. Embryology (4)
 Biological Science 220. Cell Biology (4)
 Biological Science 232. Ecology (4)
 Biological Science 240. Genetics (4)
 Biological Science 382. Human Anatomy Laboratory (2)
 Biological Science 383. Human Physiology (4)
 Biological Science 294. Senior Seminar in Biology (1)
 Chemistry 216-217. Introductory Organic Chemistry (6), *or*
 Chemistry 210-211. Organic Chemistry I (5)

B. Two courses selected from the following:

- Anthropology 360. Human Evolution (4)
 Biological Science 322. Histology (4)
 Biological Science 342. Human Genetics (4)
 Biological Science 353. Endocrinology (4)
 Biological Science 380. Human Reproduction and Development (4)

REQUIREMENTS FOR THE MINOR IN BIOLOGICAL SCIENCE

A total of 28-29 units are required for the minor in Biological Science. Eight or nine units are in lower division prerequisite courses, and, where allowed, may also be used to meet General Education requirements; 20 units are in upper division biological science courses.

Prerequisites

Prerequisites to upper division standing in this minor are the following courses which, where allowed, may also be used to meet General Education requirements.

- Biological Science 110. Principles of Biology (4), *or*
 Biological Science 102. General Biology (4)
 Chemistry 110. General Chemistry I (5), *or*
 Chemistry 102. Chemistry for the Citizen (4)

Required Courses

A total of twenty units selected from the upper division course offerings in Biological Science which may also include Biological Science 120. Fundamentals of Microbiology. Eight of these units must be taken in residence.

* Recommended for students intending to apply to professional graduate school.

Please note that the Biological Science 114 prerequisite for the upper division courses allowed for the major implies a year of college biology and a year of college chemistry (see the prerequisites for Biological Science 114). Students not meeting these prerequisites should select from the following courses and should consult the course descriptions for other prerequisites.

- Biological Science 120. Fundamentals of Microbiology (4)
- Biological Science 151. Elements of Human Anatomy and Physiology Laboratory (2)
- Biological Science 236. Environmental Biology (4)
- Biological Science 246. Human Heredity (4)
- Biological Science 256. Human Anatomy and Physiology (4)
- Biological Science 260. General Oceanography: Biological (4)
- Biological Science 270. Biological Bases of Human Behavior (4)
- Biological Science 286. Human Aging (4)
- Biological Science 295. Special Topics (2,4)
- Biological Science 372. Animal Behavior (4)

REQUIREMENTS FOR THE MINOR IN PSYCHOBIOLOGY

Refer to the Psychobiology course offerings listed separately under the title "Psychobiology".

REQUIREMENTS FOR THE MINOR IN MICROBIOLOGY

(This minor is limited to Biological Science and Chemistry majors)

A total of 59–70 units of biological science and chemistry is required for the minor in Microbiology. Thirty-three to 42 units are in lower division prerequisite courses, and may, where allowed, also be used to meet General Education requirements; 22–24 units are in upper division biological science and chemistry courses.

Prerequisites

Prerequisites to upper division standing in this minor are the following courses which may, where allowed, also be used to meet General Education requirements:

- Biological Science 110-112-114. Principles of Biology (12)
- Chemistry 110-112-114. General Chemistry I, II, III (15)
- Chemistry 130. Quantitative Chemistry (4)
- Chemistry 216-217. Introductory Organic Chemistry (6) *or*
- Chemistry 210-212-214. Organic Chemistry I, II, III (10)
- Chemistry 211-213-215. Organic Chemistry Laboratory I, II, III (5)

Required Courses

- +Biological Science 324. Microbiology (4)
- Biological Science 326. Immunology and Serology (4)
- Chemistry 250-252. Biochemistry I, II (10)

(Continued on the following page)

+ Consult course description for prerequisite.

One of the following:

(Students who have taken CHE 250 to satisfy the requirements for their major must take BIO 220 and one from this group; students who have taken both CHE 250 and 252 to satisfy the requirements for their major must take BIO 220 and *two* from this group.)

Biological Science 325. Medical Microbiology (6)

Biological Science 327. Clinical Mycology (4)

Biological Science 328. Virology (4)

Biological Science 358. Human Parasitology (4)

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN LIFE SCIENCE

Lower Division

The following lower division courses are required to fulfill General Education requirements or to prepare the student for upper division standing in Biological Science:

Biological Science 110-112-114. Principles of Biology (12)

Chemistry 110-112-114. General Chemistry I, II, III (15)

Mathematics 110-112. Differential and Integral Calculus I, II * (8), *or*

Mathematics 120-122. Survey of Calculus I and II (8)

and one course chosen from:

Computer Science 160. Computer Programming in FORTRAN (4)

Mathematics 150. Elementary Statistics and Probability (4)

Physics 120-122. Element of Physics (8), *or*

Physics 110-112 *or* 110-114. General Physics (10)

Upper Division

A. Required Courses:

Biological Science 210. Organism Biology—Plant (4)

Biological Science 212. Organism Biology—Animal (4)

Biological Science 214. Embryology (4)

Biological Science 216. Marine Invertebrates (4)

Biological Science 220. Cell Biology (4)

Biological Science 232. Ecology (4)

Biological Science 240. Genetics (4)

Biological Science 294. Senior Seminar in Biology (1)

Chemistry 216-217L. Introductory Organic Chemistry (6), *or*

Chemistry 210-211L. Organic Chemistry I (5)

B. An additional *eight units* selected from:

Biological Science 324. Microbiology (4)

Biological Science 350. Plant Physiology (4)

Biological Science 352. Animal Physiology (4)

Biological Science 362. Marine Ecology (4)

Chemistry 250. Biochemistry I (5)

COURSE OFFERINGS IN BIOLOGICAL SCIENCE

Lower Division

102. GENERAL BIOLOGY (4). Representative topics in modern biology, emphasizing the present state of knowledge and the major means whereby this knowledge is being expanded. *Three hours of lecture and three hours of laboratory per week.* F (d/e), W (d/e), S (d/e)

- 110. PRINCIPLES OF BIOLOGY (4).** Introduction to the basic biological concepts; structure, organization, function, and interaction at the molecular, cellular, and tissue level. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 112 or concurrent enrollment in Chemistry 112.* F (d/e), W (d), S (d)
- 112. PRINCIPLES OF BIOLOGY (4).** Biology of monerans, protists, and plants including structure, function, and evolutionary relationships. Principles of ecology are introduced. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 110 and Chemistry 114 or concurrent enrollment in Chemistry 114.* F (d), W (d/e), S (d)
- 114. PRINCIPLES OF BIOLOGY (4).** Animal biology with emphasis on the relationship of structure and function in invertebrates and vertebrates. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 110 and Chemistry 114 or concurrent enrollment in Chemistry 114.* F (d), W (d), S (d/e)
- 120. FUNDAMENTALS OF MICROBIOLOGY (4).** The nature and activities of microorganisms; their effects on the environment and human affairs. Microbiological laboratory techniques. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 110 or 102 and one course in General Chemistry.* Not open for credit toward the Biological Science major or to students with credit in Biological Science 324.
- 150. ELEMENTS OF HUMAN ANATOMY AND PHYSIOLOGY (4).** Basic principles of anatomical structure and physiological processes of human organ systems. *Four hours of lecture per week. Prerequisite: Biological Science 102 or equivalent.* Not open for credit toward the Biological Science major. Same as Biological Science 256.
- 151. ELEMENTS OF HUMAN ANATOMY AND PHYSIOLOGY LABORATORY (2).** Laboratory work and demonstrations in the anatomical structure and processes occurring in man. *Six hours of laboratory per week. Prerequisite: Biological Science 150/256 or concurrent enrollment in Biological Science 150/256.* Not open for credit toward the Biological Science major.

Upper Division

Biology seniors see also 400-level course listings in graduate section. A limited number of 400-level course units may be applied toward the baccalaureate degree. Consult Academic Regulations section of this catalog or see Registrar for details.

- 210. ORGANISM BIOLOGY—PLANT (4).** The relationship between structure and function of multicellular plants. Topics include plant anatomy; metabolic pathways including photosynthesis, respiration, and amino acid synthesis; plant hormones; photoperiodism and circadian rhythms; plant reproduction and development. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 112 and 114.* F (d), S (d)
- 212. ORGANISM BIOLOGY—ANIMAL (4).** The relationship between structure and function in multicellular animals with an emphasis on general physiology of vertebrates. Topics include nutrient acquisition and processing, gas exchange, internal transport, body fluid regulation, and chemical and nervous control mechanisms. The lab involves anatomical studies, including dissection of representative vertebrates. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 112 and 114.* W (d), S (d)

- 214. EMBRYOLOGY (4).** Development of animals from gametogenesis through organogenesis. Laboratory emphasizes developmental anatomy of the chick with selected comparison to frog and mammal. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 112 and 114.* F (d), W (d)
- 220. CELL BIOLOGY (4).** Basic biological problems at the cellular level. Chemical composition of cells, metabolism, synthesis, and membrane phenomena. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 112 and 114, Chemistry 210 or 217.* W (d), S (d)
- 232. ECOLOGY (4).** Distribution of plants and animals with reference to environmental factors and adaptation to special habitats. *Three hours of lecture and three hours of laboratory and field work per week. Prerequisites: Biological Science 112 and 114.* F (d), S (d)
- 236. ENVIRONMENTAL BIOLOGY (4).** Principles of ecology and contemporary ecological problems, with emphasis on man and his environment. Designed for non-Biological Science majors. *Four hours of lecture per week. One weekend field trip required. Prerequisite: Biological Science 102 or equivalent. Not open for credit toward the Biological Science major.*
- 240. GENETICS (4).** Principles of heredity; the action of genes on the molecular and organismic levels; variations and mutations. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 112 and 114.* F (d), W (d)
- 246. HUMAN HEREDITY (4).** Introduction to human genetics, including human reproduction, Mendelian inheritance, chemical basis of gene action, mutation, and eugenics. *Four hours of lecture per week. Prerequisite: Biological Science 102 or equivalent. Not open for credit toward the Biological Science major or to students with credit in Biological Science 240.*
- 256. ELEMENTS OF HUMAN ANATOMY AND PHYSIOLOGY (4).** Basic principles of anatomical structure and physiological processes of human organ systems. *Four hours of lecture per week. Prerequisite: Biological Science 102 or equivalent. Not open for credit toward the Biological Science major. Same as Biological Science 150.*
- 260. GENERAL OCEANOGRAPHY: BIOLOGICAL (4).** Introduction to the plants and animals of the ocean. Their adaptations to and effects on the environment. Biological factors of the marine environment. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 102 or equivalent and Chemistry 270. Not open for credit toward the Biological Science major.*
- 270. BIOLOGICAL BASES OF HUMAN BEHAVIOR (4).** Biological structure and function as it relates to human behavior; the central and autonomic nervous systems; genetic influences; the role of hormones; effects of drugs on human behavior. *Four hours of lecture per week. Not open for credit toward the Biological Science major.*
- 286. HUMAN AGING (4).** The effects of aging on the physiology of the human body and the effects of drugs used in the treatment of the elderly. *Four hours of lecture per week. Prerequisite: Biological Science 256 or equivalent. Not open for credit toward the Biological Science major.*
- 294. SENIOR SEMINAR IN BIOLOGY (1).** Intensive use of current biological literature and bibliographies. *One hour of presentation and discussion per week. Prerequisite: Senior standing and Biological Science major.* F (d), W (d), S (d)
- 295. SPECIAL TOPICS IN BIOLOGY (2, 4).*** Advanced course designed for the non-major. May include laboratory exercises. *Prerequisite: Consent of instructor.*

* Repeatable course.

297. **DIRECTED RESEARCH (2,4).*** Advanced laboratory work, with each student undertaking an independent and original investigation. *Six or twelve hours of laboratory per week. Prerequisite: Upper division standing and consent of instructor.*
301. **BIOSTATISTICS (4).** Application of statistical analyses in biological research, including normal and binomial distributions, t-tests, chi-square test, analysis of variance, linear regression, and correlation. *Three hours of lecture and two hours of laboratory per week. Prerequisite: Mathematics 150.*
315. **EXPERIMENTAL EMBRYOLOGY (4).** Cell interactions in the development of animals as shown by experimental alteration of normal development. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 214.*
316. **MARINE INVERTEBRATES (4).** Basic taxonomy, morphology, distribution and natural history of the invertebrates. Protozoans to protochordates, excluding insects and medical parasites. Some terrestrial and freshwater forms will be covered. *Two hours of lecture and six hours of laboratory per week. Prerequisites: Biological Science 112 and 114.*
321. **MOLECULAR BIOLOGY (4).** The molecular basis of gene activity and regulation; the physical and chemical nature of biomolecules with emphasis on the correlation between structure and function. *Four hours of lecture per week. Prerequisite: Biological Science 220.*
322. **HISTOLOGY (4).** Structure and organization of cells during division, growth, and development and their integration into tissues. *Two hours of lecture and six hours of laboratory per week. Prerequisites: Biological Science 112 and 114 and Chemistry 210 or 217.*
323. **CELL FINE STRUCTURE (3).** Macromolecular and ultrastructural aspects of cells and tissues; the origin, maintenance, and function of subcellular constituents. *Three hours of lecture per week. Prerequisite: Biological Science 220 or 322.*
324. **MICROBIOLOGY (4).** The morphology, physiology, genetics, and development of microorganisms. Basic bacteriological techniques included in the laboratory. *Two hours of lecture and six hours of laboratory per week. Prerequisites: Biological Science 220, or Biological Science 112 and 114 and Chemistry 250. F (d)*
325. **MEDICAL MICROBIOLOGY (6).** Characteristics of bacterial and mycotic agents in human disease emphasizing host-parasite relationships, epidemiology, and laboratory diagnosis. *Four hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 324.*
326. **IMMUNOLOGY AND SEROLOGY (4).** Principles of immunity and serology. Emphasis on the cellular and molecular nature of the immune process, the nature of antibodies and antigens, the principles of hematology and uses of serologic methods for the evaluation of the immune response. Immunohematology, immunology of neoplastic tissue, hypersensitivity. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 120 or 324 and Chemistry 210 or 217.*
327. **CLINICAL MYCOLOGY (4).** Comparative morphology, physiology, and pathogenicity of medically important fungi. Laboratory methods for identification emphasize interpretation and evaluation of results. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 324.*
328. **VIROLOGY (4).** The anatomy, biochemistry, physiology, and pathology of bacterial and animal viruses emphasizing virus diseases of man. Laboratory methods include culturing, identification, and measurements of virus cell interactions. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 324.*

* Repeatable course.

- 330. POPULATION BIOLOGY (4).** Structure and organization of populations: principles of population growth and density control; genetics and evolutions of populations; traffic of materials and energy between populations; environmental factors affecting populations. *Three hours of lecture and three hours of laboratory and field work per week. Prerequisite: Biological Science 232.*
- 342. HUMAN GENETICS (4).** Genetic studies of individuals and populations; human cytogenetics, medical genetics, mutation and genetic counseling. *Four hours of lecture per week. Prerequisites: Biological Science 220 and 240.*
- 350. PLANT PHYSIOLOGY (4).** A study of plant relations to water and solutes, plant nutrition, photosynthesis and plant metabolism. *Two hours of lecture and six hours of laboratory per week. Prerequisites: Biological Science 210 and 220.*
- 352. ANIMAL PHYSIOLOGY (4).** A study of the digestive, circulatory, and respiratory systems, and of the role of muscular, sensory, nervous, and endocrine systems in animal organisms. *Two hours of lecture and six hours of laboratory per week. Prerequisites: Biological Science 212 and 220.*
- 353. ENDOCRINOLOGY (4).** The role of endocrine glands and tissues in metabolic regulation, environmental adjustment, reproduction, and development of vertebrates, with emphasis on mammals. *Four hours of lecture per week. Prerequisites: Biological Science 212, 214, and 220.*
- 358. HUMAN PARASITOLOGY (4).** Physiological aspects of parasites in man, their symbiotic host and parasite relationships and clinical diagnostic techniques. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 112 and 114.*
- 362. MARINE ECOLOGY (4).** The interrelationship between marine organisms and their environment; emphasis on productivity, population dynamics, community structure. The organisms which make up the pelagic and benthic realms. *Three hours of lecture and three hours of laboratory per week. Field work required. Prerequisite: Biological Science 232 or 260.*
- 364. PALEOBIOLOGY (4).** The uses of the fossil record in paleoecological reconstructions, interpretation of contemporary biogeographical patterns and in the understanding of evolution. *Three hours of lecture and three hours of laboratory per week with field work assignments. Prerequisites: EMS 152 (Historical Geology) or Biological Science 112 and 114.*
- 372. ANIMAL BEHAVIOR (4).** Behavior presented with emphasis on the anatomical, physiological, and evolutionary mechanisms involved. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 114 or 256.*
- 380. HUMAN REPRODUCTION AND DEVELOPMENT (4).** Human sexual function and embryological development; anatomy, physiology, and endocrinology as it relates to human reproduction and development. *Four hours of lecture per week. Prerequisite: Biological Science 212.*
- 382. HUMAN ANATOMY LABORATORY (2).** Advanced laboratory work in the anatomical structure of man involving human materials and models, and dissection of a cat. *Six hours of laboratory per week. Prerequisite: Biological Science 212.*
- 383. HUMAN PHYSIOLOGY (4).** Advanced discussion and laboratory work in the functional activities occurring in the human organ systems. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 382 or concurrent enrollment.*

392. **MICROTECHNIQUE (4)**. Preparation of tissues for microscopic study, with emphasis on paraffin imbedding and staining. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 114.*
395. **SELECTED TOPICS IN BIOLOGY (2, 4)***. Advanced course which may include laboratory exercises. *Prerequisite: Consent of instructor.*

Graduate

See the Graduate Bulletin in this catalog for all graduate courses in Biological Science offered at California State University Dominguez Hills.

* Repeatable course.

BUSINESS ADMINISTRATION

(School of Management)

Chairpersons: *Accounting/Information Systems/Law*: Peter Herne, Ph.D., Associate Professor; *Finance/Quantitative Methods/Real Estate*: Thomas W. Donahue, D.B.A., Associate Professor; *Management/Marketing*: Cyril E. Zoerner, Jr., Ph.D., Associate Professor.

Professor Emeritus: Harry A. Nethery, Ph.D.

Professors: Martin Robert Blyn, Ph.D.; Jack William Kitson, Ph.D.; Herbert Milgrim, Ph.D.; George P. Morris, Ph.D.; Robert Schueler, Ph.D.; George Chung Wang, Ph.D.

Associate Professors: George N. Clawson, Ph.D.; Robert Dowling, D.B.A.; Joel Greenwald, D.B.A.; Robard Y. Hughes, D.B.A.; H. Gary Kuhlmann, Ph.D.; C. W. Lee, D.B.A.; Anthony Mastor, Ph.D.; Mazin K. Nashif, Ph.D.; Stanley R. Schoen, J.D.; Raymond Weisler, J.D.

Assistant Professors: Melvin Auerbach, M.S.; Jeffery Bahr, M.S.; Carol V. Lopilato, M.A.; J. Ray Mullinix, D.B.A.; Richard G. Nehrbass, D.B.A.; Franklin D. Strier, J.D.; Kosaku Yoshida, Ph.D.; Patricia Vacca, M.S.

The undergraduate degree program in Business Administration, which leads to a Bachelor of Science degree, is designed to prepare students for professional careers in commerce, finance, and industry, as well as for management positions in the public and non-profit sectors. The program is divided into three segments: lower division, upper division core courses, and a concentration in one of the following: Accounting, Business Economics, Finance, General Business, Information Systems, Management, Marketing, Personnel Administration, Real Estate, and Small Business & Entrepreneurship.

(All graduate courses in Business Administration are listed in the Graduate Bulletin of this catalog, with the requirements for graduate degrees and credentials offered by the University.)

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN BUSINESS ADMINISTRATION

Students majoring in Business Administration are required to take at least 76 quarter units in courses in business and economics. Students must, however, also take at least 76 quarter units in courses outside business and economics. The School of Management encourages its students to gain exposure in the liberal arts and sciences beyond the requirements of General Education, for a liberal education is seen as an important prerequisite to a successful career.

A total of 96 units of business administration, economics, English, and mathematics is required for the Bachelor of Science degree in Business Administration. All students must complete a required core consisting of 32 quarter units in lower division and 44 units in upper division courses. The remaining 20 units are taken in the student's field of concentration.

Lower Division

Required Courses: (32 units)

- Business Administration 102. Legal Aspects of Business Transactions (4)
- Business Administration 130. Essentials of Accounting I (4)
- + Business Administration 131. Essentials of Accounting II (4)
- Business Administration 170. Introduction to Computers and Data Processing (4)
(*same as Computer Science 120*)
- + Business Administration 171. Computer Systems for Business (4), *or* + Business Administration 172. Introduction to COBOL Programming (4) (*required of all students in the Information Systems concentration as a substitute for Business Administration 171*).
- Economics 110. Economic Theory 1A (4)
- Economics 111. Economic Theory 1B (4)
- + Mathematics 102. Mathematical Analysis for Management and Social Sciences I (4)

Upper Division

A. Required Courses (44 units)

- + Business Administration 205. Social Responsibility of Business (4)
- Business Administration 210. Management and Organizational Theory (4)
- + Business Administration 211. Production Management (4) (*All students in the Accounting concentration must take Business Administration 237. Cost Accounting [4] in lieu of Business Administration 211.*)
- + Business Administration 222. Introduction to Business Statistics (4)
- + Business Administration 223. Introduction to Operations Research (4)
- Business Administration 250. Elements of Marketing (4)
- + Business Administration 260. Business Finance (4)
- + Business Administration 280. Economics of the Firm (4)
- + Business Administration 290. Management Policy (4), *or* + Business Administration 291. Small Business Internship (4)
- + Economics 222. Money and Banking (4)
- English 252. Writing and Speaking Skills for Management (4)

B. Concentration (20 units)

In addition to the above, each student must select *one* of the Concentrations listed below:

1. Accounting

- + Business Administration 231. Intermediate Accounting I (4)
- + Business Administration 232. Intermediate Accounting II (4)
- + Business Administration 233. Income Taxation I (4)
- + Business Administration 235. Auditing (4)
- + Business Administration 238. Advanced Accounting I (4)

+ Consult course description for prerequisite.

2. Business Economics

- + Economics 211. Intermediate Macro-Economic Theory (4)
- + Economics 251. Introduction to Econometrics (4)
- + Economics 275. Industrial Organization and the American Economy (4)
and two courses from the following:
 - + Economics 227. Public Finance (4)
 - Economics 228. State and Local Finance (4)
 - + Economics 230. Labor Economics (4)
 - + Economics 241. International Finance (4)
 - Economics 242. Comparative Economic Systems (4)

3. Finance

- + Business Administration 261. Financial Analysis (4)
- + Business Administration 268. Investment Principles (4)
- + Business Administration 281. Financial Institutions and Markets (4)
and two courses from the following:
 - + Business Administration 233. Income Taxation I (4)
 - Business Administration 262. Real Estate Principles and Practice (4)
 - Business Administration 264. Insurance Principles (4)

4. General Business

Students choosing this Concentration must take any *five* upper-division Business Administration courses not taken to satisfy the upper-division core requirement.

5. Information Systems

- + Business Administration 271. Advanced COBOL Programming (4)
- + Business Administration 273. Data Base Systems (4)
- + Business Administration 274. Information Systems Design (4)
- + Business Administration 276. Advanced Concepts for Business Systems (4)
- + Business Administration 278. Data Processing Applications in Business (4)

6. Management

- + Business Administration 212. Small Business Management (4)
- + Business Administration 213. Personnel Management (4)
- + Business Administration 214. Advanced Management (4)
- + Business Administration 216. Labor and Industrial Relations (4)
- Public Administration 201. Administrative Leadership and Behavior (4)

7. Marketing

- + Business Administration 259. Marketing Management (4).
and four courses from the following:
 - + Business Administration 251. Sales Practices and Administration (4)
 - + Business Administration 252. Advertising and Promotion Management (4)
 - + Business Administration 253. Retail Management (4)
 - + Business Administration 254. Marketing Research (4)
 - + Business Administration 255. Consumer Market Behavior (4)

8. Personnel Administration

- + Business Administration 213. Personnel Management (4)
- + Business Administration 214. Advanced Management (4)
- + Business Administration 215. Organization and Management
Development (4)
- + Business Administration 216. Labor and Industrial Relations (4)
- + Business Administration 217. Job Design and Quality of Work (4)

9. Real Estate

- Business Administration 262. Real Estate Principles and Practice (4)
- +Business Administration 265. Legal Aspects of Real Estate (4)
- +Business Administration 266. Real Estate Valuation Theory (4)
- +Business Administration 267. Real Estate Finance and Investment (4)
- and one course from the following:*
- +Business Administration 263. Real Estate Economics (4)
- +Business Administration 269. Real Property Management (4)

10. Small Business & Entrepreneurship

- +Business Administration 212. Small Business Management (4)
- +Business Administration 291. Small Business Internship (4)
- and three courses from the following:*
- +Business Administration 202. Law of Business Organizations (4)
- +Business Administration 230. Accounting for Planning and Control (4)
- +Business Administration 251. Sales Practices and Administration (4)
- +Business Administration 252. Advertising and Promotion Management (4)
- +Business Administration 255. Consumer Market Behavior (4)
- +Business Administration 262. Real Estate Principles and Practice (4)
- +Business Administration 264. Insurance Principles (4)
- Communications 265. Introduction to Public Relations (4)

REQUIREMENTS FOR THE MINOR IN BUSINESS ADMINISTRATION

The minor in Business Administration is designed for students majoring in other fields who wish to acquire a basic knowledge of business. A total of 24 units in business administration is required in addition to 8 units in lower division prerequisite courses in economics.

Prerequisites:

- Economics 110. Economic Theory 1A (4)
- Economics 111. Economic Theory 1B (4)

Required Courses:

- Business Administration 130. Essentials of Accounting I (4)
- Business Administration 170. Introduction to Computers and Data Processing (4)
- Business Administration 210. Management and Organizational Theory (4)
- Business Administration 250. Elements of Marketing (4)
- +Business Administration 260. Business Finance (4)

and

An additional upper-division course in Business Administration selected by the student with the approval of a departmental advisor.

CERTIFICATE IN REAL ESTATE

The School offers the Certificate in Real Estate to persons satisfactorily completing the following courses:

- Business Administration 130. Essentials of Accounting I (4), *or*
- +Business Administration 263. Real Estate Economics (4)
- Business Administration 262. Real Estate Principles and Practice (4)
- +Business Administration 265. Legal Aspects of Real Estate (4)
- +Business Administration 266. Real Estate Valuation Theory (4)
- +Business Administration 267. Real Estate Finance and Investment (4)
- +Business Administration 269. Real Property Management (4)

+Consult course description for prerequisite.

These courses satisfy the State of California Department of Real Estate academic requirements for the real estate broker's license. For further information, see the chairperson of the Department of Finance/Quantitative Methods/Real Estate or an advisor in the Student Advisement Center.

COURSE OFFERINGS IN BUSINESS ADMINISTRATION

Lower Division

- 102. LEGAL ASPECTS OF BUSINESS TRANSACTIONS (4).** Analysis of the legal process; functions and operations within a federal system; contracts, sales, agency. F(d/e), W(d/e), S(d/e)
- 130. ESSENTIALS OF ACCOUNTING I (4).** Preparation and use of accounting data; the accounting process; cases and problems. F(d/e), W(d/e), S(d/e)
- 131. ESSENTIALS OF ACCOUNTING II (4).** Continuation of Essentials of Accounting I. *Prerequisite: Business Administration 130.* F(d/e), W(d/e), S(d/e)
- 170. INTRODUCTION TO COMPUTERS AND DATA PROCESSING (4).** Introduction to computer systems with emphasis on the impact of computers and their use; elements of programming. (Same as Computer Science 120) F(d/e), W(d/e), S(d/e)
- 171. COMPUTER SYSTEMS FOR BUSINESS (4).** Discussion of computer systems commonly used in business; data processing and information systems, systems analysis, social implications. *Prerequisite: Business Administration 170.*
- 172. INTRODUCTION TO COBOL PROGRAMMING (4).** Computer programming for business applications, using the international business programming language COBOL. *Prerequisite: Business Administration 170.* F(d/e), W(d/e), S(d/e)

Upper Division

- 202. LAW OF BUSINESS ORGANIZATIONS (4).** Legal consequences of selecting one form of business organization over another; analyses of the law of corporations, partnerships, and agency; introduction to the law of commercial paper.
- 205. SOCIAL RESPONSIBILITY OF BUSINESS (4).** Responsibilities and obligations of the business community to contemporary society. Principles and problem solving techniques as related to major social problems confronting business organizations. *Prerequisite: Upper division standing.* F(d/e), W(d/e), S(d/e)
- 206. PERSONAL FINANCIAL MANAGEMENT (4).** Financial management as applied to individuals and households in allocating income and planning expenditures. Consideration of budgeting, credit, installment purchases, savings and investments, insurance, and housing. (*May not be used to fulfill a concentration requirement in Finance.*)
- 210. MANAGEMENT AND ORGANIZATIONAL THEORY (4).** Integration of classical and behavioral approaches to management with emphasis upon human relations, informal organization, and motivation in both profit and non-profit organizations. F(d/e), W(d/e), S(d/e)
- 211. PRODUCTION MANAGEMENT (4).** Analysis of the management function in the production area; methods used in planning, organizing, and controlling production. *Prerequisites: Business Administration 210 and Business Administration 222.* F(d/e), W(d/e), S(d/e)

212. **SMALL BUSINESS MANAGEMENT (4)**. Role of small business in the American economy; establishing, financing, and operating independent businesses. *Prerequisite: Business Administration 131, 210, and 250.*
213. **PERSONNEL MANAGEMENT (4)**. Principles and practices with emphasis on selection, training, and evaluation of employees of both profit and non-profit organizations, with selective attention to relevant governmental regulations, grievance handling procedures, and labor-management relations. *Prerequisite: Business Administration 210.*
214. **ADVANCED MANAGEMENT (4)**. Current perspectives on advanced theories and strategies available to managers of modern complex organizations. *Prerequisite: Business Administration 210.*
215. **ORGANIZATION AND MANAGEMENT DEVELOPMENT (4)**. Current trends in organizational and management development programs; program implementation and conduct; relationship of programs to organizational training needs and individual career development. *Prerequisite: Business Administration 210.*
216. **LABOR AND INDUSTRIAL RELATIONS (4)**. The role of labor and industrial relations in the private firm; collective bargaining and union relationships for the manager and personnel specialist; labor union trends in the future. *Prerequisite: Business Administration 210.*
217. **JOB DESIGN AND QUALITY OF WORK (4)**. The quality of work for blue and white collar employees; current trends in job design and implications for job satisfaction, alienation, etc.; socio-technical approaches to job design. *Prerequisite: Business Administration 210.*
222. **INTRODUCTION TO BUSINESS STATISTICS (4)**. Probability theory, probability applications, random sampling; estimation, hypothesis testing, regression, and correlation. *Prerequisite: Mathematics 102. F(d/e), W(d/e), S(d/e)*
223. **INTRODUCTION TO OPERATIONS RESEARCH (4)**. Mathematical methods applied to management problems: elementary mathematical optimization models. *Prerequisite: Business Administration 222. F(d/e), W(d/e), S(d/e)*
230. **ACCOUNTING FOR PLANNING AND CONTROL (4)**. The use of accounting data in the analysis and control of business operations and in the management decision-making process. *Prerequisites: Business Administration 130 and Economics 110.*
231. **INTERMEDIATE ACCOUNTING I (4)**. Accounting theory and practice relating to the quantification, recording, and classification of assets and related income statement items; AICPA pronouncements. *Prerequisite: Business Administration 131.*
232. **INTERMEDIATE ACCOUNTING II (4)**. Accounting theory and practice relating to the quantification, recording, and classification of liabilities and stockholders' equity and related income statement items, with emphasis on corporate organizations; AICPA pronouncements. *Prerequisite: Business Administration 231.*
233. **INCOME TAXATION I (4)**. Federal income tax law as related to individuals and sole proprietorships. *Prerequisite: Business Administration 131.*
234. **INCOME TAXATION II (4)**. Federal income tax law as related to partnerships, corporations, estates and trusts, and gift taxes. *Prerequisite: Business Administration 233.*
235. **AUDITING (4)**. Emphasis on public accounting profession, generally accepted auditing standards and procedures, professional ethics, and problems in working paper preparation and report writing; CPA exam auditing problems integrated with course. *Prerequisite: Business Administration 222 and 232.*

237. **COST ACCOUNTING (4)**. The nature, objectives, and procedure of cost accounting and control; job costing and process costing; joint product costing; standard costs; theories of cost allocation and absorption; uses of cost accounting data for management decisionmaking. *Prerequisite: Business Administration 131. F(d/e), W(d/e), S(d/e)*
238. **ADVANCED ACCOUNTING I (4)**. Financial statement analysis; statement of changes in financial position; selected accounting problems relating to tax allocation, price level changes, consignments, installment sales, concepts and principles of partnerships. *Prerequisite: Business Administration 232.*
239. **ADVANCED ACCOUNTING II (4)**. Home office and branch relationships; problems associated with the preparation of consolidated financial statements; includes intercorporate affiliations, intercompany investments and other transactions, minority interest, foreign branches and subsidiaries, foreign exchange; selected study of other contemporary accounting issues. *Prerequisite: Business Administration 238.*
240. **ACCOUNTING FOR THE NON-PROFIT SECTOR (4)**. Accounting information for management control and financial reporting in the non-profit organization, including organizational relationships, control structure, pricing decisions, programing, budgeting, operating and accounting, reporting and analyzing performance, and system design and installation. *Prerequisite: Business Administration 131.*
250. **ELEMENTS OF MARKETING (4)**. Management of the marketing function: decisionmaking concerning products, distribution channels, pricing and promotion, consumer behavior. *F(d/e), W(d/e), S(d/e)*
251. **SALES PRACTICES AND ADMINISTRATION (4)**. Activities and organization of the sales department; introduction to sales principles and development of sales techniques; management of the sales force; distribution channels and territories. *Prerequisite: Business Administration 250.*
252. **ADVERTISING AND PROMOTION MANAGEMENT (4)**. The management of promotion in the total marketing effort; the relationship of creative processes to marketing research; media considerations; testing effectiveness and applications. *Prerequisite: Business Administration 250.*
253. **RETAIL MANAGEMENT (4)**. The organization of a single-unit and multi-unit retail institution; operational problems of the firm, including planning merchandise mix based on an analysis of consumer demands; pricing policies; formulating and administering merchandise plans; merchandise control as a means of maintaining investment in inventory at the optimum level. *Prerequisite: Business Administration 250.*
254. **MARKETING RESEARCH (4)**. Applies the scientific method and basic research techniques to solving marketing problems; investigates formulative, descriptive, and experimental design; analyzes the communication of research information. *Prerequisite: Business Administration 222 and Business Administration 250.*
255. **CONSUMER MARKET BEHAVIOR (4)**. Consumer responses to promotional activities; concepts of consumer strategy and tactics; effect of product image, brand, package design, and store image in influencing consumer purchases. *Prerequisite: Business Administration 250.*
259. **MARKETING MANAGEMENT (4)**. A comprehensive analysis of marketing management problems, functions, and the decision-making process; emphasis on the case method as related to problems of product price, promotion, and distribution. *Prerequisites: Senior standing and consent of instructor.*

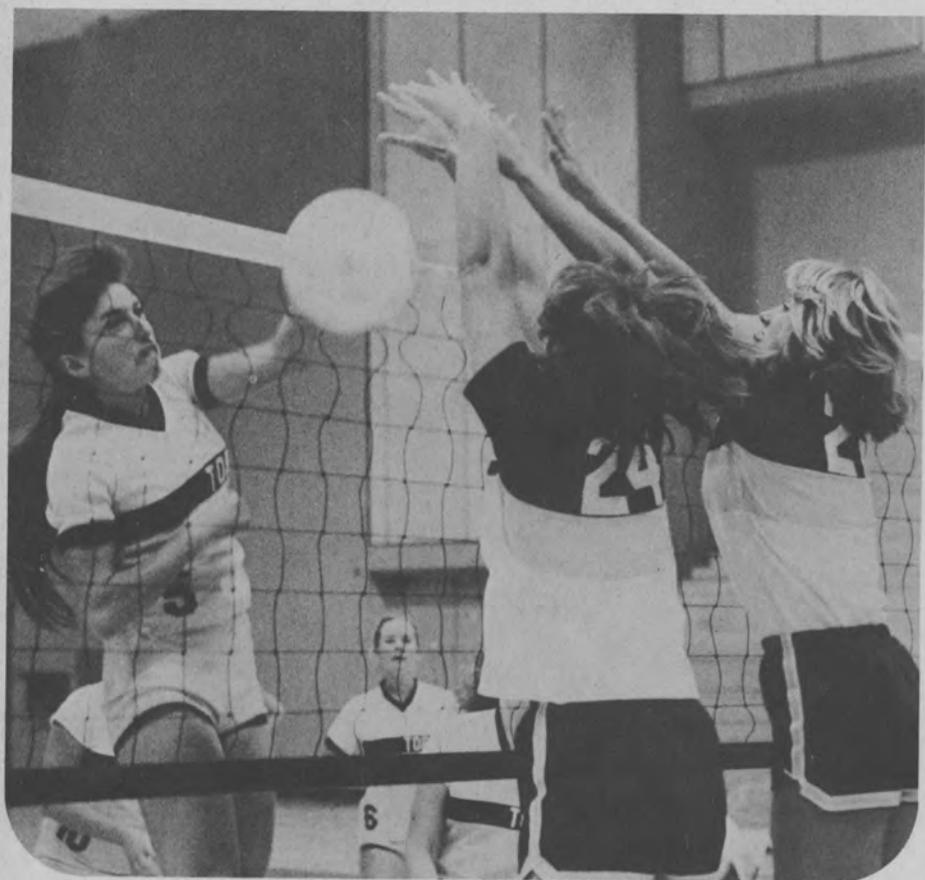
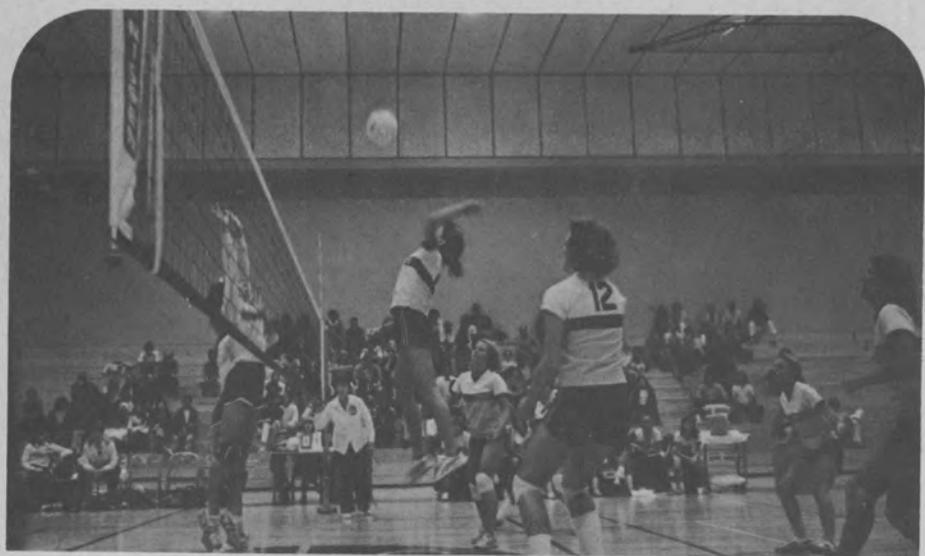
260. **BUSINESS FINANCE (4)**. Development of a decision framework for financial management; capital budgeting, trade credit policy, dividend and capital structure policies. *Prerequisites: Business Administration 130, Economics 110, and Mathematics 102.* F(d/e), W(d/e), S(d/e)
261. **FINANCIAL ANALYSIS (4)**. Further development of selected topics covered in Business Finance; capital budgeting and risk analysis, cost of capital, financial forecasting, management of short-, medium-, and long-term assets and liabilities. *Prerequisite: Business Administration 260.*
262. **REAL ESTATE PRINCIPLES AND PRACTICE (4)**. Functions and regulations of the real estate market; transfers of property, including escrows, mortgage deeds, title insurance; appraisal techniques; financing methods; leases; subdivision development; property management.
263. **REAL ESTATE ECONOMICS (4)**. Economics of real property markets, property values, land use and property acquisition; economic structure of and current trends in the mortgage funds market; economic considerations in commercial and industrial site location. *Prerequisites: Business Administration 262; Economics 110 and 111.*
264. **INSURANCE PRINCIPLES (4)**. Principles of insurance; insurance needs of individuals and businesses; types of carriers and insurance markets; organization and functions of carriers; industry regulation. *Prerequisite: Business Administration 102.*
265. **LEGAL ASPECTS OF REAL ESTATE (4)**. Legal theory and practice of estates in land, landlord and tenant relationships, land transactions, mortgages, trust deeds, easements, ownership rights; legal rights of consumers; environmental legislation related to the use and sale of real estate. *Prerequisites: Business Administration 102 and 262.*
266. **REAL ESTATE VALUATION THEORY (4)**. Analysis of theories, functions, and purposes of appraisals of residential and income properties; economic factors affecting real estate values; social implications of various uses of land. *Prerequisites: Economics 110 and Business Administration 262.*
267. **REAL ESTATE FINANCE AND INVESTMENT (4)**. Markets, institutions, instruments, and agencies involved in the financing of residential and commercial real estate; analysis of investment opportunities in real estate. *Prerequisites: Business Administration 260 and 262.*
268. **INVESTMENT PRINCIPLES (4)**. Investment principles and practices; emphasis on investment criteria, sources of information, types of financial investments, mechanics of purchase and sale. *Prerequisite: Business Administration 130.*
269. **REAL PROPERTY MANAGEMENT (4)**. Operational approach to income property management, including single and multiple residential, commercial and industrial units. Topics include economic real property analysis, sale and leaseback, discussion of various types of leasing arrangements, document analysis, government influences, environmental considerations, property insurance and problem avoidance. *Prerequisite: Business Administration 262 or consent of instructor.*
271. **ADVANCED COBOL PROGRAMMING (4)**. Continuation of Business Administration 172. Advanced applications of COBOL in the solutions of problems in business, including accounting, management, finance, marketing, real estate, and economics. *Prerequisites: Business Administration 130 and 172.*
273. **DATA BASE SYSTEMS (4)**. Concepts of data structures and data base processing; major approaches to design and implementation of data base applications; discussion of commercial systems. *Prerequisite: Business Administration 271.*

- 274. INFORMATION SYSTEMS DESIGN (4).** Tools and techniques of systems study; problem definition, data collection, analysis, and evaluation; forms and system design; system performance, prediction, and measurement; management information systems and integrated systems; use of telecommunication in system design. *Prerequisites: Business Administration 172.*
- 276. ADVANCED CONCEPTS FOR BUSINESS SYSTEMS (4).** Special topics from computer architecture, software engineering, operating systems, telecommunications, and current developments. *Prerequisites: Business Administration 271 and 274.*
- 278. DATA PROCESSING APPLICATIONS IN BUSINESS (4).** Case study approach to the implementation of business data processing applications and systems; team design work; uses of the computer in modeling and analyzing business problems. *Prerequisite: Business Administration 276.*
- 280. ECONOMICS OF THE FIRM (4).** Managerial economics; economic analysis applied to the solution of domestic and international business problems, including demand and cost estimation, pricing, forecasting and market structure. *Prerequisites: Economics 110 and 111. F(d/e), W(d/e), S(d/e)*
- 281. FINANCIAL INSTITUTIONS AND MARKETS (4).** Role of financial institutions and markets in capital formation; types of institutions and markets; flow of funds; management of financial institutions. *Prerequisite: Economics 222.*
- 290. MANAGEMENT POLICY (4).** An integrating course dealing with problems of management, using actual business cases for analysis and decision-making practice. *Prerequisite: Senior standing and completion of all other core requirements. F(d/e), W(d/e), S(d/e)*
- 291. SMALL BUSINESS INTERNSHIP (4).** Course offered in conjunction with Small Business Administration. Student teams participate in solution of actual business problems. *Prerequisites: Senior standing and consent of instructor. Students selecting the Small Business and Entrepreneurship concentration must take both Business Administration 290 and 291. F(d), W(d), S(d)*
- 293. SPECIAL TOPICS IN BUSINESS (4) *.** An in-depth analysis of a topic having current interest to students of business. While some topics will fall completely within the field of business, others may extend into other disciplines, in which case the course will be team taught. *Prerequisite: Consent of instructor.*
- 295. DIRECTED STUDY (2, 4) *.** Independent research or other study under the direction of a member of the Business Administration faculty. *Prerequisite: Consent of instructor.*

Graduate

See the Graduate Bulletin in this catalog for all graduate courses in Business Administration offered at California State University Dominguez Hills.

* Repeatable course.



CHEMISTRY

(School of Natural Sciences and Mathematics)

Professor Emeritus: Robert B. Fischer, Ph.D.

Chairperson: Ulrich de la Camp, Ph.D., Professor

Professors: L. Danette Dobyns, Ph.D.; Kenneth B. Gash, Ph. D.; Solomon Marmor, Ph.D.; William D. Wilk, Ph.D.

Associate Professors: Eugene N. Garcia, Ph.D.; James L. Lyle, Ph.D.; Oliver Seely, Jr., Ph.D.

Assistant Professor: George R. Wiger, Ph.D.

The Chemistry Department offers programs leading to a Bachelor of Arts degree (with options in either Chemistry or Biochemistry) and a Bachelor of Science degree.

These programs are designed to prepare students for 1) graduate work in Chemistry or Biochemistry, 2) entry into professional schools such as Medical or Dental, 3) employment in industry or government, 4) teaching in secondary schools, or 5) entry into Law School, with specialization in patent or environmental law. A bio-organic chemistry minor is also offered in support of other majors.

BACHELOR OF ARTS DEGREE IN CHEMISTRY

The B.A. degree major is designed to fit the needs of those who plan to enter professional fields such as Medicine, Dentistry, Law, etc.; a career in secondary education; graduate work in Business Administration; or direct employment in business or government. Options are offered in Chemistry and Biochemistry. Courses have been selected to give the student a broad foundation in Chemistry. The B.A. major requires augmentation by a minor.

Requirements for the Major

Required for both options in the Bachelor of Arts program is the completion of 52 units of lower division chemistry, mathematics, physics, and biology courses. These prerequisites may, where allowed, also be used to meet General Education Requirements. The Chemistry Option requires a total of 91 units of which 39 are upper division. The Biochemistry Option requires a total of 96 units, including 44 upper division units.

All chemistry courses which are required or are prerequisite to the B.A. major must be passed with a grade of C or better.

CHEMISTRY OPTION

Lower Division

Biological Science 102. General Biology (4), *or*

Biological Science 110. Principles of Biology (4)

Chemistry 110-112-114. General Chemistry I, II, III (15)

Chemistry 130. Quantitative Chemistry (4)

Chemistry 132. Ionic Equilibria (2)

Mathematics 110-112-114. Differential and Integral Calculus I, II, III (12)

Physics 110-112-114. General Physics (15)

Upper Division

- Chemistry 210-212-214. Organic Chemistry I, II, III (10)
- Chemistry 211-213-215. Organic Chemistry Laboratory I, II, III (5)
- Chemistry 220-222-224. Physical Chemistry I, II, III (12)
- Chemistry 231-233. Advanced Integrated Laboratory I, II (6)
- Chemistry 240. Inorganic Chemistry (4)
- Chemistry 260. Chemical Literature and Report Writing (2)

BIOCHEMISTRY OPTION

Lower Division

- Biological Science 110. Principles of Biology (4)
- Chemistry 110-112-114. General Chemistry I, II, III (15)
- Chemistry 130. Quantitative Chemistry (4)
- Chemistry 132. Ionic Equilibria (2)
- Mathematics 110-112-114. Differential and Integral Calculus I, II, III (12)
- Physics 120-122-124. Elements of Physics (12), *or*
Physics 110-112-114. General Physics (15)

Upper Division

- Chemistry 210-212-214. Organic Chemistry I, II, III (10)
- Chemistry 211-213-215. Organic Chemistry Laboratory I, II, III (5)
- Chemistry 220-222-224. Physical Chemistry I, II, III (12)
- Chemistry 250-252-354-355. Biochemistry I, II, III (15)
- Chemistry 260. Chemical Literature and Report Writing (2)

BACHELOR OF SCIENCE DEGREE IN CHEMISTRY

The B.S. degree major is designed to fit the needs of those who plan to do graduate work in Chemistry or related fields. Courses have been selected to give the student a solid foundation in all phases of Chemistry plus additional work in Biological Science, Mathematics, and Physics. A minor may be pursued in support of this single field major but is *not* required.

This program is accredited by the American Chemical Society.

REQUIREMENTS FOR THE MAJOR

A total of 120 units in chemistry and related fields is required for the major. This includes 64 units of lower division prerequisites which may, where allowed, be used to fulfill General Education requirements. A reading knowledge of German is strongly recommended for students planning to pursue graduate work in chemistry or biochemistry. At the present time CSUDH does not offer courses in German. However, these courses may be taken at another CSUC campus or at a local community college.

All chemistry courses which are required or are prerequisite to the B.S. major must be passed with a grade of C or better.

Lower Division

- Biological Science 110. Principles of Biology (4)

(Continued on the following page)

- Chemistry 110-112-114. General Chemistry I, II, III (15)
 Chemistry 130. Quantitative Chemistry (4)
 Chemistry 132. Ionic Equilibria (2)
 Computer Science 160. Computer Programming in FORTRAN (4)
 Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV (16)
 Physics 110-112-114. General Physics (15)

One course selected from the following:

- Biological Science 112-114. Principles of Biology (8)
 Biological Science 120. Fundamentals of Microbiology (4)

Upper Division

- Chemistry 210-212-214. Organic Chemistry I, II, III (10)
 Chemistry 211-213-215. Organic Chemistry Laboratory I, II, III (5)
 Chemistry 220-222-224. Physical Chemistry I, II, III (12)
 Chemistry 231-233-235. Advanced Integrated Laboratory I, II, III (9)
 Chemistry 240. Inorganic Chemistry (4)
 Chemistry 250. Biochemistry I (5)
 Chemistry 260. Chemical Literature and Report Writing (2)
 Mathematics 210. Differential Equations (4), *or*
 Mathematics 230. Linear Algebra (4)
 Physics 202. Experimental Methods (1)
 Physics 231-233. Electronics Laboratory I, II (4)

REQUIREMENTS FOR THE MINOR IN BIO-ORGANIC CHEMISTRY

This minor is designed to complement most degree majors in the life sciences. The minor includes the Chemistry requirements for entrance into professional programs such as Medicine, Dentistry, Veterinary Medicine, etc.

A total of 49 units is required, with 25 units in lower division prerequisites and 24 units in upper division courses.

All chemistry courses that are required or are prerequisite to the minor in Bio-Organic Chemistry must be taken for a letter grade and must be passed with a grade of C or better.

Prerequisites

- Biological Science 102. General Biology (4), *or*
 Biological Science 110. Principles of Biology (4)
 Chemistry 110-112-114. General Chemistry I, II, III (15)
 Chemistry 130. Quantitative Chemistry (4)

Required Courses

- Chemistry 210-212-214. Organic Chemistry I, II, III (10)
 Chemistry 211-213-215. Organic Chemistry Laboratory I, II, III (5)
 Chemistry 250. Biochemistry I (5)
 One course selected from the following; however, students who have taken Chemistry 210-211 to satisfy the requirements for the major in Biological Science must select *two* courses from this group:
 +Chemistry 220-222. Physical Chemistry I, II (8)
 Chemistry 252-354-355. Biochemistry II, III (10)
 Chemistry 256. Clinical Chemistry (4)
 Chemistry 395. Selected Topics in Chemistry (2,4)
 Biological Science 353. Endocrinology (4)

+ Consult course description for prerequisite.

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN PHYSICAL SCIENCE

Requirements are listed in the Natural Sciences and Mathematics section of this catalog, on page 269.

COURSE OFFERINGS IN CHEMISTRY

Lower Division

- 102. CHEMISTRY FOR THE CITIZEN (4).** A non-mathematical treatment of the basic principles of chemistry and their application to various facets of life in a highly technological society. F(d/e), W(d/e), S(d/e).
- 108. INTRODUCTION TO COLLEGE CHEMISTRY (5).** Measurements, units, unit conversion, scientific notation, chemical stoichiometry, mole concept, structure of atoms and molecules. *Four hours of lecture and three hours of laboratory per week. Prerequisite: Mathematics 010 or concurrent enrollment in Mathematics 010.* Note: For students with inadequate preparation for Chemistry 110. F(d), S(d).
- 110. GENERAL CHEMISTRY I (5).** Chemical stoichiometry, atomic structure, periodic table, chemical bonding, gases, liquids, solutions, elementary thermodynamics, chemical equilibrium, kinetics, electrochemistry, coordination chemistry, and qualitative analysis. *Four hours of lecture and three hours of laboratory per week. Prerequisite: a) grade of C or better in Chemistry 108 or b) high school chemistry and satisfactory performance on a placement test given during the first class meeting.* F(d/e), W(d).
- 112. GENERAL CHEMISTRY II (5).** A continuation of Chemistry 110. *Four hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 110.* W(d/e), S(d).
- 114. GENERAL CHEMISTRY III (5).** A continuation of Chemistry 112. *Four hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 112.* F(d), S(d/e).
- 130. QUANTITATIVE CHEMISTRY (4).** Principles and methods of gravimetric and volumetric analysis. Introduction to quantitative measurements by colorimetry and flame photometry. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Chemistry 114.* F(d), W(d), S(d).
- 132. IONIC EQUILIBRIA (2).** Principles of homogeneous and heterogeneous phase equilibria. Principles of electrochemistry. *Prerequisite: Chemistry 130.* S(d).

Upper Division

- 210. ORGANIC CHEMISTRY I (4).** A systematic study of organic compounds, with emphasis on molecular structure and reaction mechanisms. Introduction to spectroscopic methods of analysis of organic compounds. *Prerequisite: Chemistry 114; concurrent enrollment in Chemistry 211.* F(d).
- 211. ORGANIC CHEMISTRY LABORATORY I (1).** Basic experimental techniques of organic chemistry. *Three hours of laboratory per week. Prerequisite: concurrent enrollment in Chemistry 210.* F(d).
- 212. ORGANIC CHEMISTRY II (3).** A continuation of Chemistry 210 with emphasis on aromatic systems; spectroscopic methods of structure determination; and structures and reactions of organic compounds containing oxygen, sulfur, and nitrogen. *Prerequisite: Chemistry 210; concurrent enrollment in Chemistry 213.* W(d).

213. **ORGANIC CHEMISTRY LABORATORY II (2)**. Preparation of organic compounds. Introduction to infrared spectroscopy, gas chromatography, and other instrumental methods. *Six hours of laboratory per week. Prerequisite: Chemistry 211; concurrent enrollment in Chemistry 212.* W(d).
214. **ORGANIC CHEMISTRY III (3)**. Polyfunctional systems, heterocyclics. Advanced aspects of theoretical organic chemistry. *Prerequisite: Chemistry 212; concurrent enrollment in Chemistry 215.* S(d).
215. **ORGANIC CHEMISTRY LABORATORY III (2)**. Preparation of organic compounds. Introduction to qualitative and quantitative organic analysis. Methods of investigating reaction mechanisms. *Six hours of laboratory per week. Prerequisite: Chemistry 213; concurrent enrollment in Chemistry 214.* S(d).
216. **INTRODUCTORY ORGANIC CHEMISTRY (4)**. Structure and properties of aliphatic and aromatic compounds. Stereochemistry and functional group chemistry. *Prerequisite: Chemistry 114.* W(d), S(d).
217. **INTRODUCTORY ORGANIC CHEMISTRY LABORATORY (2)**. Laboratory studies of the properties of organic compounds; preparation of organic compounds; basic techniques of separation of mixtures and purification processes. Introduction to qualitative and quantitative analysis. *Six hours of laboratory per week. Prerequisite: Chemistry 216 (may be taken concurrently).* W(d), S(d).
220. **PHYSICAL CHEMISTRY I (4)**. The first of a series of courses covering thermodynamics, properties of matter, atomic and molecular structure, chemical kinetics, photochemistry, and surface chemistry. *Prerequisite: Chemistry 114, Mathematics 114, and Physics 114. Physics 124 may be substituted for Physics 114 by students in the biochemistry option and by non-chemistry majors with consent of instructor.* F(d).
222. **PHYSICAL CHEMISTRY II (4)**. A continuation of Chemistry 220. *Prerequisite: Chemistry 220.* W(d).
224. **PHYSICAL CHEMISTRY III (4)**. A continuation of Chemistry 222. *Prerequisite: Chemistry 222.* S(d).
231. **ADVANCED INTEGRATED LABORATORY I (3)**. Experimental work involving instrumental analytical techniques, inorganic syntheses, physical measurements on chemical systems. Analysis of experimental data, including the use of computer techniques. *Nine hours of laboratory per week. Prerequisite: Chemistry 132 and 224.* F(d).
233. **ADVANCED INTEGRATED LABORATORY II (3)**. A continuation of Chemistry 231. *Nine hours of laboratory per week. Prerequisite: Chemistry 231.* W(d).
235. **ADVANCED INTEGRATED LABORATORY III (3)**. A continuation of Chemistry 233. *Nine hours of laboratory per week. Prerequisite: Chemistry 233.* S(d).
240. **INORGANIC CHEMISTRY (4)**. Structural inorganic chemistry; coordination compounds; mechanisms of inorganic reactions; inorganic synthetic methods. *Prerequisite: Chemistry 224 or concurrent enrollment in Chemistry 224.* S(d).
250. **BIOCHEMISTRY I (5)**. Metabolism of carbohydrates and lipids; energetics in living systems. *Prerequisite: Chemistry 214 or 217.* F(d), S(d).
252. **BIOCHEMISTRY II (5)**. Metabolism of nitrogenous compounds, with special emphasis on mammalian systems. Related metabolism in human specialized tissues covered where applicable. Use of advanced laboratory techniques in the isolation and analysis of compounds from biological samples. *Three hours lecture and six hours laboratory per week. Prerequisite: Chemistry 130 and Chemistry 250.* F(d), W(d).

256. **CLINICAL CHEMISTRY (4)**. Methods of analysis of body fluids and tissues. Relation of analytical results to interpretation of metabolism and diagnosis of disease. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Chemistry 252. W(d), S(d).*
260. **CHEMICAL LITERATURE AND REPORT WRITING (2)**. Chemical literature, including the nature, content, and accessibility. Development of advanced writing skills with an emphasis on scientific report writing. *Prerequisite: Chemistry 130, 214, 215.*
270. **GENERAL OCEANOGRAPHY: PHYSICAL AND CHEMICAL (4)**. Physical and chemical characteristics of ocean waters. Geomorphology of ocean bottoms and shorelines. Transport and circulation phenomena. Energy budget of oceans. *Prerequisite: EMS 150. W(d).*
272. **MARINE CHEMISTRY (4)**. Chemical composition and physical properties of sea waters; methods of seawater analysis, chemical equilibria in the oceans; marine biochemistry. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 114 and Chemistry 212 or 216. S(d).* Offered in alternate years beginning in 1979.
274. **GEOCHEMISTRY (4)**. An introduction to the principal methods for, and results of, the application of chemistry to the study of the earth. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 114. S(d).* Offered in alternate years beginning in 1978.
286. **AMERICAN SCIENCE AND TECHNOLOGY (4)**. A critical assessment of the historical development and present role of science and technology in America, with particular attention to the interrelationships of science and technology with industry, government, education, and culture. *S(d).*
293. **SUPERVISED LABORATORY PROJECTS (2,4)***. Laboratory projects to be carried out under the supervision of a chemistry faculty member. Designed for students of sophomore and junior standing. *Prerequisite: Chemistry 114 and consent of instructor. Only CR/NC grades will be given. F, W, S.*
297. **DIRECTED RESEARCH (2,4)***. Advanced laboratory work, with each student undertaking an independent and original investigation. *Six or twelve hours of laboratory per week. Prerequisite: Senior standing and consent of instructor. Only CR/NC grades will be given. F, W, S.*
354. **BIOCHEMISTRY III (3)**. Metabolic control mechanisms. A discussion of known mechanisms of enzyme action, allosteric control of enzyme activation and gene expression. Selected examples used to illustrate regulation of nucleic acid synthesis, protein biosynthesis, and other intermediate metabolic pathways. *Prerequisite: Chemistry 252; all undergraduate students must take Chemistry 355 concurrently. S(d).*
355. **BIOCHEMISTRY LABORATORY (2)**. Laboratory work with selected biological systems to illustrate the regulatory aspects of metabolic pathways, and to illustrate the structure and function of macromolecules. *Six hours of laboratory per week. Prerequisite: Chemistry 252 and concurrent enrollment in Chemistry 354. S(d).*
395. **SELECTED TOPICS IN CHEMISTRY (2,4)***. *Prerequisite: Consent of instructor. S(d).*

* Repeatable course.

COMMUNICATIONS

(School of Humanities and Fine Arts)

Chairperson: David A. Safer, M.S., Assistant Professor

Professor: Hal Marienthal, Ph.D.; Polly Pope, Ph.D.

Lecturers: Patrick Boyle, Jr., M.S. (*Los Angeles Times*); James M. Box, B.A. (*South Bay Daily Breeze*); Robert P. Brownson, B.A., Erwin Wasey, Inc. (advertising agency); Greg Heimer, M.A.; Marshall Klein, (*Los Angeles Times*); Tendayi Kumbula, Ph.D. (*Los Angeles Times*); Ray LaMarca, B.F.A. (Art Center College of Design); Jerry Leshay, B.A.; Ms. Betty Lukas, M.A. (*Los Angeles Times*); Durham Monsma, J.D. (*Los Angeles Times*); Allan Muir; Mark A. Neubauer, J.D.; Joel Rogosin, B.A.; Wayne Rowe, Ph.D.; Art Seidenbaum, B.S. (*Los Angeles Times*); William Wood, Jr., B.A.; Ms. Doretta Zemp, B.A.

The Communications Department offers courses in many areas of mass communications, with options in journalism and public relations. The courses in both options are designed to provide professional training for students who wish to enter those professions. The department also offers courses in film and communications theory, as well as courses leading to a certificate in broadcasting. These curricular offerings, while broadening the student's ability to function in the media, also provide the base from which additional options are being planned for the near future.

The major in Communications is combined with an appropriate minor in one of the other disciplines offered at the University. For the student majoring in another academic area, a 24-unit minor is offered in the program.

The Certificate in Broadcasting shows that a student has undertaken a course of study within the Communications program which has given the student a degree of expertise in this growing area. The Certificate is given by the department after a student has completed four required radio and television courses, and two additional broadcasting courses, selected through advisement.

A fully equipped television studio and a photographic dark room and lab provide ample opportunities for hands-on experience for students working in those areas. The Student News Bureau, which serves as an extension of the University's Office of Public Affairs and Development, enables public relations and journalism students to participate in the day-by-day operation of a university public relations office.

Through the advisement process, the student can build a program providing him/her with the skills necessary to pursue a career in the communications field. The student will also develop an understanding of the interaction between the media and society, with all its implications for the contemporary culture.

REQUIREMENTS FOR THE B.A. DEGREE IN COMMUNICATIONS

REQUIRED CORE COURSES FOR THE JOURNALISM AND PUBLIC RELATIONS OPTIONS

Lower Division

- + Communications 100. Introduction to Newswriting and Reporting (4)
- Communications 150. Introduction to Communications (4)

Upper Division

- + Communications 250. Advanced Newswriting and Reporting (4)
- + Communications 251. Radio and TV Newswriting (4), *or*
 - + Communications 282. Writing for Radio/TV and Film (4)
- + Communications 253. Newspaper and Magazine Workshop (2)
- Communications 259. Law of the Mass Media (4)

JOURNALISM OPTION

Upper Division

- + Communications 252. Feature and Column Writing (4)
- + Communications 269. Public Affairs Reporting (4)
- + Exp. Ed. 210. (Work in the journalism field) (4)

PUBLIC RELATIONS OPTION

Upper Division

- Communications 265. Introduction to Public Relations (4)
- + Communications 266. Advanced Public Relations (4)
- + Communications 267. Public Relations and Publicity Workshop (4)
- + Exp. Ed. 210. (Work in the public relations field) (4)

For *both* Journalism and Public Relations Options: Additional courses in communications and other areas selected by advisement to give the student the required 48 units of upper division course work.

REQUIREMENTS FOR THE MINOR IN COMMUNICATIONS

Lower Division

- + Communications 100. Introduction to Newswriting and Reporting (4)
- Communications 150. Introduction to Communications (4)

Upper Division

Plus 16 additional units of upper division work in communications selected through advisement.

+ Consult course description for prerequisite.

REQUIREMENTS FOR THE CERTIFICATE IN BROADCASTING

- Communications 280. Introduction to Television (4)
 + Communications 282. Writing for Radio/TV and Film (4)
 Communications 283. TV Production (4)
 + Communications 287. TV Directing (4)

Plus two additional courses in Radio and Television, selected through advisement.

COURSE OFFERINGS IN COMMUNICATIONS**Lower Division**

- 100. INTRODUCTION TO NEWSWRITING AND REPORTING (4).** Introduction to newswriting and reporting techniques; emphasis placed on development of writing skills, organization of facts, and continuity of thought. *Prerequisite: English 100-101 or concurrent enrollment in English 101.*
- 150. INTRODUCTION TO COMMUNICATIONS (4).** Survey of the field of mass communications dealing with newsgathering, broadcasting, film production, theory, and occupations in these fields.

Upper Division

- 200. THEORIES OF COMMUNICATION (4).** Introduction to the major theories of communication drawn from data in psychology, sociology, and anthropology.
- 214. ORGANIZATIONAL COMMUNICATIONS (4).** Organizational theory and the role that communication plays in modern business, industrial, and governmental organizations. Case studies and reviews of the literature in solving communication problems of complex human organizations.
- 220. HISTORY OF FILM I (4).** History and development of the motion picture as an art form and social force from its origins until 1945.
- 221. HISTORY OF FILM II (4).** History and development of the contemporary motion picture as an art form and social force from 1945 to the present.
- 225. INTRODUCTION TO FILM (4).** A critical survey, with examples, of film as a developing art form and as a medium of mass communication. Study of the craft of film aesthetics. Principles of composition and editing. How filmmakers view their work and their world.
- 226. WORKSHOP IN FILM (4).*** Theory and practices of film making. Basic techniques of film production, particularly as applied to educational and documentary film forms. Fundamentals of the motion picture, camera, lighting, sound, editing, and laboratory procedures. *2 hrs. lecture, 4 hrs. lab per week. Prerequisite: Communications 225.*
- 250. ADVANCED NEWSWRITING AND REPORTING (4).** A continuation of Communications 100 with increased practice in the development of newswriting and reporting skills. *Prerequisite: Communications 100 or equivalent.*
- 251. RADIO AND TELEVISION NEWSWRITING (4).** Techniques of reporting and writing news for electronic media. *Prerequisite: Communications 250.*
- 252. FEATURE AND COLUMN WRITING (4).** Techniques of writing for feature magazines, newspaper feature supplements, and similar publications. *Prerequisite: Communications 250 or consent of instructor.*

+ Consult course description for prerequisite.

* Repeatable course.

253. **NEWSPAPER AND MAGAZINE WORKSHOP (2).*** Instruction and practice in copy editing and make-up oriented toward publication. *6 hrs. lab per week. Prerequisite: Communications 250 or consent of instructor.*
256. **RADIO AND TELEVISION NEWS WORKSHOP (4).*** Instruction and practice in preparing and delivering television news. *2 hrs. lecture, 4 hrs. lab per week. Prerequisite: Communications 251 or consent of instructor.*
257. **MAKEUP AND DESIGN FOR PRINT MEDIA (2).** Instruction in format, layout, typography, use of artwork, and other technical aspects of makeup and design.
259. **LAW OF THE MASS MEDIA (4).** Libel law, right to privacy, contempt of court, copyright, the right to print news of public affairs, the Freedom of Information Act, and other legal topics of concern to the media professional.
260. **HISTORY OF JOURNALISM (4).** Important papers and persons in American journalism.
265. **INTRODUCTION TO PUBLIC RELATIONS (4).** Public relations practices and principles as applied to government, education, and industry.
266. **ADVANCED PUBLIC RELATIONS (4).** A study of the theory and practice of communication between an institution and its publics, dealing with the role of the public relations practitioner as both participant in and transmitter of institutional decision making. *Prerequisite: Communications 100 and 265.*
267. **PUBLIC RELATIONS AND PUBLICITY WORKSHOP (4).** Application of public relations principles and practices to the analysis of the ongoing relationships between an individual or an organization and their various publics and the development of the appropriate public relations programs, with an emphasis on publicity writing. *Prerequisites: Communications 250 and 265 or permission of instructor.*
268. **PUBLIC RELATIONS IN THE PUBLIC SECTOR (4).** Exploration of the special nature of public relations for public agencies and its role in the development and implementation of public policy. Case history studies and visiting lecturers will examine needs and operations of municipal, state, regional and federal agencies.
269. **PUBLIC AFFAIRS REPORTING (4).** Advanced writing and reporting course centering on research and investigative techniques necessary for the development of in-depth feature writing on topics of public concern. Independent or group writing projects on local topics may be assigned. *Prerequisite: Senior standing or consent of instructor.*
270. **ADVERTISING COPYWRITING (4).** Creating and preparing advertisements for print and electronic media. Students will write copy for product and institutional ads. Students are advised to take the companion course, Advertising Design, Art 243. *Prerequisite: English 101 or equivalent.*
275. **BASIC PHOTOGRAPHY (4).** Instruction in the basic principles of still photography. *2 hrs. lecture, 4 hrs. lab. per week.*
276. **ADVANCED PHOTOGRAPHY (4).*** Combination of creative darkroom techniques, fine arts photography, documentary and photo journalism. *2 hrs. lecture, 4 hrs. lab per week. Prerequisite: Communications 275 or equivalent.*
280. **INTRODUCTION TO TELEVISION (4).** Foundation studies in television. Survey of television systems around the world, acquainting students with this field of communications and providing a system of critical evaluation of television viewing and a theoretical basis for professional performance in the area.

* Repeatable course.

- 281. PERFORMING FOR RADIO/TV (4).** Students will be introduced to the basic methods of video performance including mixed media. Types of performing will include media announcing, moderating panels, and interviewing. Individual student performances are taped for playback and analysis. *2 hrs. lecture, 4 hrs. lab per week.*
- 282. WRITING FOR RADIO/TV AND FILM (4).** Practice in script writing for radio/TV and film. Development of writing styles suitable for each of these media. Emphasis on formal distinctions between aural and visual media. *Prerequisites: English 100-101 and either/or Communications 225 or 280 or equivalent.*
- 283. TV PRODUCTION (4).** Instruction in the operation of black-white and Portapaks and color cameras. Integration of film, slides, video tape, and graphics. Formats include newscasting, documentary, remote broadcast, and coverage of a sports event. *2 hrs. lecture, 4 hrs. lab per week.*
- 284. ADVANCED TV PRODUCTION (4).** A continuation of Communication 283 with emphasis on increased skills in utilizing TV production techniques. *Prerequisite: Communications 283.*
- 287. TV DIRECTING (4).** Utilization of television studio work in coordinating live performances, talent, film, tape, and visuals into finished productions. Lab sessions permit students to direct sample programs. Productions videotaped for class criticism. *2 hrs. lecture, 4 hrs. lab per week. Prerequisite: Communications 283.*
- 290. SPECIAL TOPICS IN COMMUNICATIONS (4).*** An intensive study of an issue or concept in communications that is of special interest to both the faculty member and the students, such as press and social issues or sports in the media.
- 298. INDEPENDENT STUDY (2,4).*** Independent study of a particular problem under the direction of a member of the communications faculty.

* Repeatable course.



COMPUTER SCIENCE

Members of the Computer Science Committee:

Professors: William B. Jones, Ph.D. (Mathematics); Samuel L. Wiley, Ph.D. (Physics and Computer Science)

Associate Professors: Michael J. Daugherty, Ph.D. (Physics and Computer Science); Peter Herne, Ph.D. (Business Administration)

Assistant Professors: Jeffrey Bahr, M.S. (Business Administration); Jackson N. Henry, Ph.D. (Mathematics); Patricia Vacca, M.S. (Business Administration).

Additional faculty members from cooperating departments.

Computer Science as a discipline is concerned with information; its representation, storage, manipulation and presentation in an environment permitting the use of automatic information processing systems.

Programs leading to both a major and a minor are offered. The major in Computer Science is designed to prepare students for careers in the growing field of computing. It consists of a core of courses which will provide a broad knowledge of the various aspects of computing, plus a selection of elective courses which allow specialization in one of several areas in the computer field. The minor is designed for students majoring in other fields who wish to acquire a basic understanding of computing and the applications of computer technology to other professions.

Access is available on campus to a wide variety of modern computing equipment, including large scale batch and timesharing systems, minicomputers and microcomputers.

REQUIREMENTS FOR THE MAJOR

A total of 68 units in Computer Science, Business Administration, and Mathematics is required for the Bachelor of Science in the Computer Science major. Thirty-two units are in lower division prerequisite courses, some of which may, where allowed, also be used to meet General Education requirements; the remaining 36 units are in upper division Computer Science or Business Administration courses.

Lower Division

Required Courses:

Mathematics 110-112. Differential and Integral Calculus I, II (8) *or*

Mathematics 120-122. Elements of Calculus I, II (8)

(Mathematics 110-112-114. Differential and Integral Calculus I, II, III recommended)

Mathematics 160. Discrete Mathematics (4)

Computer Science 120/Business Administration 170. Introduction to Computers and Data Processing (4)

(Continued on the following page)

- Computer Science 160. Computer Programming in FORTRAN (4)
 Computer Science 162. Assembly Language Programming (4)
 Business Administration 172. Introduction to COBOL Programming (4)
*One course in Statistics chosen from Business Administration 222, Mathematics 150,
 or Mathematics 250*

Upper Division

- A. Required Courses (24 Units):
 Computer Science 200. Survey of Programming Concepts (4)
 Computer Science 210. Data Structures (4)
 Computer Science 220. Programming Languages I (4)
 Computer Science 230. Computer Organization (4)
 Computer Science 240. Operating Systems I (4)
 Computer Science 250. File Processing (4)
- B. *Three* additional courses (12 units) selected with the guidance of a departmental advisor. Courses that may be used to fulfill this requirement are listed below:
 + Computer Science 222. Programming Languages II (4)
 Computer Science 237/Physics 237. Microcomputers (4)
 + Computer Science 242. Operating Systems II (4)
 + Computer Science 260. Advanced Systems Programming (4)
 + Computer Science 270. Compiler Construction (4)
 Mathematics 260. Computational Mathematics (4)
 Mathematics 266–268. Numerical Analysis I, II (4, 4)
 Business Administration 273. Data Base Systems (4)
 Business Administration 274. Business Systems Design (4)
 * Business Administration 276. Advanced Concepts for Business Systems (4)

REQUIREMENTS FOR THE MINOR

A total of 24 units in Computer Science or related fields is required for the minor in Computer Science. Four to eight units may be lower division and 16–20 units are upper division.

Lower Division

Computer Science 120/Business Administration 170 or Computer Science 110 are recommended as a prerequisite.

Required Course:

Computer Science 160. Computer Programming in FORTRAN (4)

Upper Division

Required Courses:

- A. Computer Science 200. Survey of Programming Concepts. (4)
 B. *Sixteen units* selected from the following list, and *including* Computer Science 162 (4) or Computer Science 230 (4):
 Business Administration 271. Advanced COBOL Programming (4)
 Business Administration 273. Data Base Systems (4)
 Business Administration 274. Business Systems Design (4)
 Business Administration 278. Data Processing Applications in Business (4)
 Computer Science 162. Assembly Language Programming (4)
 Computer Science 210. Data Structures (4)
 Computer Science 220. Programming Languages I (4)

(Continued on the following page)

- + Computer Science 222. Programming Languages II (4)
- Computer Science 230. Computer Organization (4)
- Computer Science 237/Physics 237. Microcomputers (4)
- Computer Science 240. Operating Systems I (4)
- + Computer Science 242. Operating Systems II (4)
- Computer Science 250. File Processing (4)
- + Computer Science 260. Advanced Systems Programming (4)
- + Computer Science 270. Compiler Construction (4)
- Computer Science 297. Directed Study in Computer Science (2, 4) (maximum of 4 units)
- Mathematics 260. Computational Methods (4)
- Mathematics 266–268. Numerical Analysis I–II (8)
- Physics 284–286. Computational Physics I–II (4)
- Psychology 230. Behavioral Statistics and Research Design (4), *or*
- Sociology 206. Quantitative Analysis in Statistics (4)

COURSE OFFERINGS IN COMPUTER SCIENCE¹

Lower Division

- 110. COMPUTER PROGRAMMING IN BASIC (2).** Introduction to computer programming using the BASIC language.
- 120. INTRODUCTION TO COMPUTERS AND DATA PROCESSING (4).** Introduction to computer systems, with emphasis on the impact of computers and their use, elements of programming. (Same as Business Administration 170).
- 160. COMPUTER PROGRAMMING IN FORTRAN (4).** Programming digital computers using FORTRAN IV to solve simple numeric and non-numeric problems. *Prerequisites: Mathematics 010 or one year of high school algebra. Computer Science 110 or Business Administration 170/Computer Science 120 is recommended.*
- 162. ASSEMBLY LANGUAGE PROGRAMMING (4).** Programming problems in assembly language; writing and using macros; features of modern computer hardware and operating systems. *Prerequisite: Computer Science 160 or Business Administration 172.*

Upper Division

- 200. SURVEY OF PROGRAMMING CONCEPTS (4).** Practical methods for computer solution of a wide variety of problems. Topics include sorting, searching, Monte Carlo methods, simulation and numerical techniques. *Prerequisite: Computer Science 160.*
- 210. DATA STRUCTURES (4).** Basic concepts of data organization. Arrays, strings, lists, trees, and structures. Storage allocation and collection. Applications to file organization, information retrieval, list processing, and programming languages. *Prerequisite: Computer Science 200.*
- 220. PROGRAMMING LANGUAGES I (4).** Formal specification of programming languages, including syntax and semantics. Introduction to and critical comparison of various algorithmic languages. *Prerequisite: Two programming courses.*

+ Courses to be listed in the 1980–81 catalog and offered for the first time during the 1980–81 academic year.

¹ Courses in Computer Science are administered by the Department of Physics and Computer Science.

- 230. COMPUTER ORGANIZATION (4):** Structure of the modern digital computer. Introduction to Boolean algebra and logical design of digital circuits, Arithmetic, storage, input-output, and control facilities. Features of multiprogramming, multiprocessing, and real-time systems. *Prerequisite: A course in computer programming.*
- 237. MICROCOMPUTERS (4); SAME AS PHYSICS 237.** The architecture, programming and interfacing of microcomputers. Topics include input/output, instruction sets, subroutines, interrupts, serial communications, and applications to problems in instrumentation and control. Incorporates in-class use of microcomputer hardware.
- 240. OPERATING SYSTEMS I (4).** Batch and multiprogramming systems. Synchronization, memory management, file structures and handling, and scheduling of resources. *Prerequisite: Computer Science 210.*
- 250. FILE PROCESSING (4).** Methods of logical and physical file organization. Applications to data base and operating system design. *Prerequisite: Computer Science 200.*
- 297. DIRECTED STUDY IN COMPUTER SCIENCE (2, 4).*** A project-type course in Computer Science carried out on an independent study basis. *Prerequisite: Consent of Instructor.*

* Repeatable course.

EARTH AND MARINE SCIENCES

(School of Natural Sciences and Mathematics)

Members of the Earth and Marine Sciences Committee:

Chairperson: David R. Sigurdson, Ph.D., Associate Professor (Earth and Marine Sciences)

Professors: James S. Imai, Ph.D. (Physics); William D. Wilk, Ph.D. (Chemistry)

Associate Professors: Charles F. Forbes, Ph.D. (Geography); Francis D. McCarthy, Ph.D. (Biological Science)

Assistant Professor: Jamie L. Webb, Ph.D. (Earth and Marine Sciences)

Additional faculty members from cooperating departments.

MINOR IN EARTH AND MARINE SCIENCES

The Earth and Marine Sciences Minor is designed to provide non-science majors with a knowledge of the principles of science and its application to the areas of geology, oceanography and physical geography. A total of 28 units is required of which eight units are lower division and 20 are upper division. The lower division prerequisite courses may, where allowed, be used to fulfill General Education requirements.

Prerequisites

- EMS 150. General Geology (4)
- +EMS 152. Historical Geology (4)

Required Courses

Five courses selected from the following seven subject areas:

- +EMS 256. Mineralogy (4)
- +EMS 258. Igneous and Metamorphic Petrology (4)
- +Chemistry 270. General Oceanography: Physical and Chemical (4)
- +Biological Science 260. General Oceanography: Biological (4)
- +Biological Science 264. Paleontology (4)
- Geography 210. Geomorphology (4), *or*
- Geography 215. Weather (4)
- +Geography 208. Maps, Photographs, and Remote Sensing (4), *or*
- Geography 222. Environmental Problems (4)

MINOR IN EARTH SCIENCE

The Earth Science minor is composed of geology courses and is intended to assist students in areas of employment where a knowledge of the physical environment is useful. This minor provides many of the core courses of a typical geology curriculum and can be used as a basis for graduate studies leading to a professional degree. Students should consult with an advisor to determine whether additional science and mathematics courses are required for their particular goals.

+ Consult course description for prerequisite.

Twenty-eight units are required for the minor, including 20 units of upper division and eight units of lower division courses. The lower division prerequisite courses may be used, when allowed, to fulfill General Education requirements.

Prerequisites

- EMS 150. General Geology (4)
- +EMS 152. Historical Geology (4)

Required Courses

- +EMS 256. Mineralogy (4)
- +EMS 258. Igneous and Metamorphic Petrology (4)
- Geography 286. Structural Geology (4)
- +EMS 266. Stratigraphy and Sedimentary Petrology (4)
- +Chemistry 274. Geochemistry (4), *or*
- +Biological Science 264. Paleontology (4)

MINOR IN MARINE SCIENCE

The minor in Marine Science forms an interesting complement to almost any major but can be especially useful to majors in Biology, Chemistry, Physics and Geography. This minor can also be used as a steppingstone to graduate studies in marine science or oceanography for students with majors in science or mathematics.

Twenty units of upper division and eight units of lower division courses are required in the minor. The lower division prerequisite courses may, where allowed, be used to meet General Education requirements.

Prerequisites

- EMS 150. General Geology (4)
- +EMS 152. Historical Geology (4)

Required Courses

- +Chemistry 270. General Oceanography: Physical and Chemical (4)
- +Biological Science 260. General Oceanography: Biological (4)
- +Biological Science 262. Marine Ecology (4)
- Geography 284. Marine Geology (4)
- +Chemistry 272. Marine Chemistry (4), *or*
- +Biological Science 264. Paleontology (4)

COURSE OFFERINGS

Lower Division

150. GENERAL GEOLOGY (4). An introduction to geology, including the study of earthquakes, volcanoes, oceanic processes, and continental drift. The use of topographic and geologic maps and the identification of rocks and minerals are emphasized. Field trips are included. *Three hours of lecture and three hours of laboratory per week.* F(d), W(d), S(d)

+ Consult course description for prerequisite.

- 152. HISTORICAL GEOLOGY (4).** Geologic history of the earth, the fossil record, stratigraphy, and geologic maps. Special emphasis on the geology of Southern California. *Three hours of lecture and three hours of laboratory per week. Prerequisite: EMS 150. F(d)*

Upper Division

- 256. MINERALOGY (4).** Systematic study of the most common rock-forming and ore minerals, including their origin and properties. Introduction to crystallography. Emphasis is on the identification of minerals. *Two hours of lecture and six hours of laboratory per week. Prerequisite: EMS 150. W(d)*
- 258. IGNEOUS AND METAMORPHIC PETROLOGY (4).** Investigation of the origin of igneous and metamorphic rocks. Thin sections are examined with the petrographic microscope. Emphasis is on the development of skills in describing hand specimens. *Two hours of lecture and six hours of laboratory per week. Prerequisite: EMS 256. S(d)*
- 266. STRATIGRAPHY AND SEDIMENTARY PETROLOGY (4).** Methods of stratigraphic analysis, including the study of sedimentary rocks and their origins. Introduction to geologic mapping. *Two hours of lecture and six hours of laboratory per week. Prerequisite: EMS 152. S(d)*

EAST ASIAN/ASIAN-AMERICAN STUDIES

(School of Humanities and Fine Arts)

Members of the East Asian/Asian-American Studies Academic Advisement Committee:

Chairperson: Fumiko Hosokawa, Ph.D. (Sociology), Assistant Professor

Professors: Donald Hata, Jr., Ph.D. (History); George Heneghan, Ph.D. (Political Science); Robert Johnson, Ph.D. (Geography); Eiichi Shimomisse, Ph.D. (Philosophy); George Wang, Ph.D. (Economics)

Associate Professors: Agnes Yamada, Ph.D. (English); Doris Okada, Ph.D. (Education); Keith Lee, Ph.D. (Physics)

Assistant Professor: Kosaku Yoshida, Ph.D. (Business Administration)

Assistant Librarian: Naomi O. Moy, M.S.L.S.

Additional faculty members from cooperating departments.

The East Asian/Asian-American program offers an interdisciplinary minor with two concentrations: East Asian Studies and Asian-American Studies. The first focuses on the study of Asian civilizations, with an emphasis on China and Japan; it is designed to provide an understanding of social, political, and cultural patterns of East Asia through courses in Asian history, economics, geography, politics, art, music, literature, and language. The second concentration, Asian-American Studies, is designed to provide an understanding of the social and cultural roots of Asian-Americans as well as a comprehension of the Asian-American experience.

The minor is designed for students seeking either to complement their studies of Western civilization, or to pursue graduate study, travel, foreign service, or business enterprises in Asia.

A total of 24 units is required for each concentration, of which 4 units are lower division.

REQUIREMENTS FOR THE MINOR IN EAST ASIAN/ASIAN-AMERICAN STUDIES

with a Concentration in East Asian Studies

Lower Division

East Asian Studies 101. Introduction to East Asian Studies (4)

(Continued on the following page)

Upper Division

Twenty units selected from the upper division offerings listed below from at least *three* different departments. (Eight units in the Japanese language may substitute for two upper division classes.)

- Art 235. Asian Arts II: Art of China and Korea (4)
- Art 236. Asian Arts III: Art of Japan (4)
- English 238. Literature of China and Japan (4)
- Geography 270. Geography of East Asia (4)
- History 279. Traditional China (4)
- History 280. Modern China (4)
- History 281. Revolutionary China (4)
- History 282. Traditional Japan (4)
- History 283. Modern Japan (4)
- Philosophy 285. Philosophies of India and Buddhism (4)
- Philosophy 286. Philosophies of China and Japan (4)
- Political Science 233. Modern Chinese Foreign Relations (4)
- Political Science 241. Government and Politics of East Asia (4)

REQUIREMENTS FOR THE MINOR IN EAST ASIAN/ASIAN-AMERICAN STUDIES

with a Concentration in Asian-American Studies

Lower Division

- East Asian Studies 103. Introduction to Asian/Pacific American Studies (4)

Upper Division

A. *Twelve units* selected from:

- Art 291. Special Studies in Art (when focused on Asian-Americans) (4)
- English 236. Asian-American Literature (4)
- History 244. The Asians in America (4)
- Sociology 235. Social Movements (when focused on Asian-Americans) (4)

B. *Eight units* selected from the upper-division offerings listed below from two different departments. (Eight units in the Japanese language may be substituted for two upper-division classes.)

- Art 235. Asian Arts II: Art of China and Korea (4)
- Art 236. Asian Arts III: Art of Japan (4)
- English 238. Literature of China and Japan (4)
- History 279. Traditional China (4)
- History 280. Modern China (4)
- History 281. Revolutionary China (4)
- History 282. Traditional Japan (4)
- History 283. Modern Japan (4)
- Philosophy 285. Philosophies of India and Buddhism (4)
- Philosophy 286. Philosophies of China and Japan (4)

COURSE OFFERINGS

Lower Division

- 101. INTRODUCTION TO EAST ASIAN STUDIES (4).** Basic themes and key issues in East Asia. Multi-disciplinary approach to art, literature, philosophy, religion as well as political and social factors to provide a comprehensive and basic understanding of East Asian culture.
- 103. INTRODUCTION TO ASIAN/PACIFIC AMERICAN STUDIES (4).** Multi-disciplinary approach to Asian/Pacific American arts, literature, philosophy and religion as well as social, political, legal and economic factors that influenced their development and contribution to the American culture.

ECONOMICS

(School of Social and Behavioral Sciences)

Professor Emeritus: Marion A. Buck, Ph.D.

Chairperson: Frank V. Billes, Ph.D., Associate Professor

Professors: Martin R. Blyn, Ph.D.; James G. Harris, Ph.D.; Abraham Kidane, Ph.D.; George C. Wang, Ph.D.

The Department of Economics, as part of the School of Social and Behavioral Sciences, offers courses leading to a B.A. degree with a major or a minor in economics. Issues studied include inflation, shortages, unemployment, price-setting, foreign currencies, government policies, developing nations, and income distribution.

The departmental objective is the development of the analytical skills which are needed to deal with economic problems. The curriculum is designed to meet the needs of students who desire a broad background in the major areas of the discipline, as well as those who wish to obtain the training necessary for graduate study. Students who obtain the degree are employable by both industry and government.

The undergraduate major consists of concentrations in General Economics and Quantitative Economics.

Center for Economic Education

A Center for Economic Education, one of nineteen in the California State University and College System, has been established at Dominguez Hills. Its main purpose is to increase economic literacy among the general public, particularly among university students, employees of business and government, high school and elementary school pupils, and teacher education students.

In our complex economic society, where vital resources are diminishing while our wants keep increasing, it becomes imperative that individuals, groups, private organizations and public agencies fully appreciate the prevailing circumstances in order to make optimal decisions. The establishment of the Center was initiated by the expressed needs of the general public for greater and more reliable information on how the United States economy is organized and functions.

The activities of the Center for Economic Education include workshops, lectures, forums and the publication and dissemination of economic analyses of current policy issues.

REQUIREMENTS FOR THE CONCENTRATION IN GENERAL ECONOMICS

Lower Division

Business Administration 130. Essentials of Accounting (4), *or*

Mathematics 110. Differential and Integral Calculus I (4)

Economics 110 and 111. Economic Theory 1A and 1B (8)

Economics 130. Statistics for Economists (4)

(Continued on the following page)

Upper Division*

A. Required courses:

- Economics 210. Intermediate Microeconomic Theory (4)
- Economics 211. Intermediate Macroeconomic Theory (4)
- Economics 250. Quantitative Economic Analysis (4)

B. *Three* courses selected from:

- Economics 221. History of Economic Thought (4)
- Economics 222. Money and Banking (4)
- Economics 227. Public Finance (4)
- Economics 230. Labor Economics (4)
- Economics 240. International Trade Theory (4)
- Economics 241. International Finance (4)
- Economics 245. Economic Development (4)

C. *Three* additional upper division courses in Economics (12)

REQUIREMENTS FOR THE CONCENTRATION IN QUANTITATIVE ECONOMICS

Lower Division

- Business Administration 170/Information Science 120. Introduction to Computers and Data Processing (4)
- Economics 110 and 111. Economic Theory 1A and 1B (8)
- Economics 130. Statistics for Economists (4)
- Mathematics 102. Mathematical Analysis for Management, Social and Life Sciences I (4)

Upper Division

- Economics 210. Intermediate Microeconomic Theory (4)
- Economics 211. Intermediate Macroeconomic Theory (4)
- Economics 212. Advanced Economic Theory (4)
- Economics 250. Quantitative Economic Analysis (4)
- Economics 251. Introduction to Econometrics (4)

Four additional upper division courses in Economics (16)

REQUIREMENTS FOR THE MINOR IN ECONOMICS

Lower Division

- Economics 110 and 111. Economic Theory 1A and 1B (8)

Upper Division

A. *Two* courses selected from:

- Economics 210. Intermediate Microeconomic Theory (4)
- Economics 211. Intermediate Macroeconomic Theory (4)
- Economics 212. Advanced Economic Theory (4)
- Economics 222. Money and Banking (4)
- Economics 227. Public Finance (4)
- Economics 240. International Trade Theory (4)
- Economics 241. International Finance (4)
- Economics 245. Economic Development (4)

(Continued on the following page)

* Students who intend to do graduate work in Economics should consult their departmental advisor before beginning their upper division course work.

B. *Two* courses selected from:

- Economics 215. American Economic History (4)
- Economics 228. State and Local Finance (4)
- Economics 230. Labor Economics (4)
- Economics 250. Quantitative Economic Analysis (4)
- Economics 251. Introduction to Econometrics (4)
- Economics 275. Industrial Organization and the American Economy (4)
- Economics 280. The Economics of Urban Areas (4)
- Economics 284. Economics of Health (4)

COURSE OFFERINGS IN ECONOMICS**Lower Division**

- 100. BASIC STUDIES ECONOMICS (4).** Fundamental economic concepts used to analyze and evaluate current economic problems.
- 110. ECONOMIC THEORY 1A (4).** Introductory micro-economic theory; resource allocation, output determination, production theory, income distribution.
- 111. ECONOMIC THEORY 1B (4).** Introductory macro-economic theory: national income accounting, national income determination, monetary and fiscal policy.
- 130. STATISTICS FOR ECONOMISTS (4).** Basic statistical tools applied by economists. Introduction to probability theory, hypothesis testing, correlation, and regression. Presentation and interpretation of economic data. *Prerequisite: Mathematics 010 or high school algebra.*

Upper Division

- 210. INTERMEDIATE MICROECONOMIC THEORY (4).** Development of detailed microeconomic models of production and distribution. *Prerequisite: Economics 110.*
- 211. INTERMEDIATE MACROECONOMIC THEORY (4).** Analysis of factors underlying the level of economic activity with emphasis on such topics as inflation, unemployment and stabilization policy. *Prerequisite: Economics 111.*
- 212. ADVANCED ECONOMIC THEORY (4).** A rigorous treatment of topics including theory of the firm, distribution of income, economic welfare, inflation, unemployment and economic growth. *Prerequisites: Economics 210 and Economics 211.*
- 215. AMERICAN ECONOMIC HISTORY (4).** Development of the American economy, organizational patterns and institutions, from settlement to the present, with emphasis on the interaction of social, political, and economic phenomena.
- 221. HISTORY OF ECONOMIC THOUGHT (4).** Historical development of economic theory and the relationship to its institutional setting. *Prerequisites: Economics 110 and 111.*
- 222. MONEY AND BANKING (4).** Development of monetary and banking institutions in the United States, contemporary monetary theory and policy. *Prerequisites: Economics 110 and 111.*
- 227. PUBLIC FINANCE (4).** Theory of the optimum allowance of resources between public and private sectors in a fully employed economy. Effects of various types of taxes on economic efficiency. Theory of monetary and fiscal policies as instruments for the achievement of national economic goals. *Prerequisites: Economics 110 and 111.*

228. **STATE AND LOCAL FINANCE (4)**. Study of the criteria for and determinants of expenditure, taxation, and debt management in state and local governments. Inter-governmental fiscal relations. Program budgeting and cost benefit analysis.
230. **LABOR ECONOMICS (4)**. An analysis of the supply of workers to the labor force, investment in human capital, the demand for labor, wage determination, minimum wage laws and union activities. This course may be taught with either a general focus or a special focus; for example, women, disadvantaged groups, unions. *Prerequisite: Economics 110 or consent of instructor.*
232. **THEORY AND PRACTICE OF COLLECTIVE BARGAINING (4)**. An analysis of the process and results of determining wage levels, wage structures, and working conditions through collective bargaining.
240. **INTERNATIONAL TRADE THEORY (4)**. Analysis of comparative advantage as a basis for international trade. The importance and growth of world trade. Effects of flows of labor and capital across national boundaries. A comparison of free trade and protectionism. *Prerequisites: Economics 110 and 111.*
241. **INTERNATIONAL FINANCE (4)**. Analysis of international financial transactions, capital movements, international financial organizations, balance of payments, key currencies and exchange rates. Comparison of alternative international monetary systems. *Prerequisites: Economics 110 and 111.*
242. **COMPARATIVE ECONOMIC SYSTEMS (4)**. A study of the ideology of contemporary economic systems, i.e. capitalism, socialism, communism, and fascism, with attention to their socio-political context and their variations in practice.
245. **ECONOMIC DEVELOPMENT (4)**. Theories of economic development. Contemporary economic structure of low income countries. Causes of limited economic growth. Policy alternatives. *Prerequisites: Economics 110 and 111.*
250. **QUANTITATIVE ECONOMIC ANALYSIS (4)**. Construction of mathematical models and their application to economic and business research. *Prerequisite: Economics 210.*
251. **INTRODUCTION TO ECONOMETRICS (4)**. Application of statistical techniques to the problem of testing the validity of the behavioral relationships suggested by economic theory. Topics will include hypothesis testing the multiple regression analysis. *Prerequisite: Economics 130.*
260. **ECONOMICS AND THE FUTURE (4)**. Analysis of economic trends in the world today and their implications for economies in the future. Topics may include energy, growth vs. no-growth, changes in the composition of the labor force, the decline of the central cities, growth of government programs, and international financial interactions.
275. **INDUSTRIAL ORGANIZATION AND THE AMERICAN ECONOMY (4)**. Current issues of industrial organization, concentration, and diversification. Anti-trust policy. *Prerequisites: Economics 110 and 111.*
280. **THE ECONOMICS OF URBAN AREAS (4)**. Economic factors underlying and following from the urbanization of modern societies. Current problems such as urban decay, air and water pollution, transportation construction, education, racial concentration, and city-state and city-federal relationships.
282. **ECONOMICS OF POVERTY (4)**. Characteristics of urban and rural poverty in the United States, wealth and income distribution, effects of tax and expenditure patterns, economic consequences of discrimination and segregation, preferential treatment, welfare issues.

- 284. ECONOMICS OF HEALTH (4).** This course will deal with topics such as supply and demand of health services, prices and cost of health care, fiscal resources and allocations, health insurance and methods of reimbursement, and influences of Medicaid and Medicare on health care consumption and delivery.
- 285. ECONOMIC POLICY AND SOCIAL VALUES (4).** Consideration of the alternative social and personal values implied by different policy judgments on significant public issues, such as distribution and taxation of income, consumer sovereignty, freedom of enterprise, and social welfare programs.
- 292. SPECIAL TOPICS IN ECONOMICS (4).** A course focusing on selected topics in economics, such as economics of inflation, health, education, ecology, oil spills, and risk and insurance.
- 298. INDEPENDENT STUDY (2, 4).*** Individual study of some topic or problem under the supervision of a member of the Economics Department. *Prerequisites: Economics 110 and 111, and consent of instructor.*

* Repeatable course.

EDUCATION

(School of Education)

All courses and credential or degree requirements in the School of Education, with the exception of Physical Education and Recreation, are listed in the Graduate Bulletin of this catalog.

ENERGY STUDIES

(School of Social and Behavioral Sciences)

Faculty members from cooperating departments.

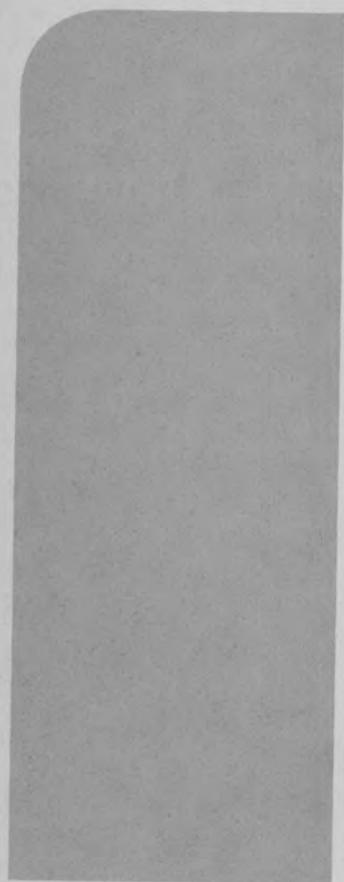
The Energy Studies Minor provides an interdisciplinary conceptual framework within which students may study, analyze, and understand the highly complex energy question. The program provides students with the direction and opportunity to experience the interrelatedness of various subject areas, including chemistry, physics, engineering, economics, political science, public administration, communications, geography, and the behavioral sciences, in the study of the problems and issues involving energy. The minor provides an introduction to basic concepts and information sources, an understanding of the breadth, complexity, and interrelatedness of the energy question, and an introduction to the most critical current and future aspects of the energy question, including various alternative energy sources and policies.

REQUIREMENTS FOR THE MINOR IN ENERGY STUDIES

- A. Prerequisite:
Chemistry 102. Chemistry for the Citizen (4) or its equivalent
- B. Required courses:
NSM 240. Energy Technologies (4)
Geography 222. Environmental Problems (4)
Geography 321. Geography of Energy (4)
Energy 290. Energy and Society Seminar (4)
- Students are advised to take NSM 240 at the beginning of their program and Energy 290 at the end.
- C. *One* of the following is required:
Political Science 263. Environmental Protection Law and Policy (4)
Public Administration 292. Special Topics (*only* section on Administration of Energy Policy) (4)
- D. *One* of the following is required:
Communication 290. Special Topics (*only* section on Communication in the Energy Field) (4)
Economics 260. Economics and the Future (4)
Political Science 238. Global Planning and the Future (4)
Political Science 292. Special Topics (*only* section on Energy, Politics and Policy).

COURSE OFFERINGS IN ENERGY STUDIES

- 290. ENERGY AND SOCIETY SEMINAR (4)** Seminar on energy systems and their effects on society. Includes public policy, management, economics, politics, and ethics of energy use and production.



ENGLISH

(School of Humanities and Fine Arts)

Chairperson: Abe C. Ravitz, Ph.D., Professor

Professors: John Bullaro, Ph.D.; Caroline Duncan-Rose, Ph.D.; Violet L. Jordain, Ph.D.; Marvin Laser, Ph.D.; Hal Marienthal, Ph.D.; David B. Rankin, Ph.D.; James A. Riddell, Ph.D.; Ephriam Sando, Ph.D.; Jack A. Vaughn, Ph.D.; Walter Wells, Ph.D.

Associate Professors: Patricia S. Eliet, Ph.D.; Dale E. Elliott, Ph.D.; Lois Feuer, Ph.D.; Lila B. Geller, Ph.D.; G. Joyce Johnson, Ph.D.; C. Michael Mahon, Ph.D.; Burckhard Mohr, Ph.D.; Michael R. Shafer, Ph.D.; Lyle E. Smith, Ph.D.; Marilyn Sutton, Ph.D.; Bruce Tracy, Ph.D.; Agnes A. Yamada, Ph.D.

Assistant Professor: Irene McKenna, Ph.D.

As a major, English maintains the objective of providing a broadly varied and soundly based program that unifies the study of composition, language, and literature and that prepares students for careers in business, communications media, teaching, and for advanced study in graduate and professional schools. Within the English major, a student may concentrate his/her program of study in either Literature or Language and Linguistics.

(All graduate courses in English are listed in the Graduate Bulletin of this catalog, with the requirements for graduate degrees and credentials offered by the University.)

Requirements for the Major

A total of 48 units is required for the major in English, 12 of which must consist of English 207 (to be taken before twelve units in the major are completed), English 210 or 213 or 214, and English 290. Students may elect to follow a particular option within the major. Several such options are listed below; others are detailed in *English: The Versatile Major*, a booklet published by the English Department and available to all students at the department office.

Requirements for the Minor

A student may fulfill an English minor by completing 24 units in upper division English courses.

B.A. DEGREE REQUIREMENTS FOR THE MAJOR IN ENGLISH WITH AN OPTION IN LITERATURE

Lower Division

English 130 is a recommended elective (4)

Upper Division

A. English 207. Practice in Literary Criticism (4)

NOTE: Must be taken before twelve units in the major are completed.

(Continued on the following page)

B. *One* of the following:

- English 210. The Study of Language (4)
- English 213. History of the English Language (4)
- English 214. English Syntax (4)

C. English 290. Seminar in Literature (4)

Nine additional courses selected in consultation with the student's adviser, three of which must be in one of the following areas of emphasis: Preparation for Advanced degree in English, an International emphasis, a Modern emphasis, an Ethnic emphasis, a Teaching emphasis (Secondary School), a Professional (but non-teaching) emphasis, or a Writing emphasis. For assistance in choosing among these emphases, read the pamphlet *English: the Versatile Major* (available in the English Department Office) and consult a departmental adviser. Students may also elect a maximum of eight units in Theatre Arts (i.e., Theatre Arts 250. Great Plays: Past and Present; Theatre Arts 265. Dramatic Theory and Criticism).

Selection of the nine courses will depend upon the student's educational goals.

B.A. DEGREE REQUIREMENTS FOR THE MAJOR IN ENGLISH WITH AN OPTION IN LANGUAGE AND LINGUISTICS

It is imperative, because of the sequential nature of the following courses, that the student consult an adviser in Linguistics and begin his/her program as early as possible.

A. English 207. Practice in Literary Criticism (4)

NOTE: Must be taken before twelve units in the major are completed.

B. *Five* of the following:

- English 211. Phonology (4)
- English 213. History of the English Language (4)
- English 214. English Syntax (4)
- English 218. Introduction to Historical Linguistics (4)
- English 219. Psycholinguistics (4)
- English 220. Linguistic Analysis (4)

C. *Five* additional courses selected in consultation with the student's adviser.D. *One* of the following seminars:

- English 294. Special Topics in Linguistics (4)
- Linguistics 290. Seminar in Linguistics (4)

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN ENGLISH

After lower division prerequisites have been met, this program requires completion of (a) core of 40 upper division units selected from listing that follows and (b) 24 upper division units in any *one* of the four options described below.

Lower Division Prerequisites

- Communications 150. Introduction to Communications (4)
- English 130. Modern Fiction (4)
- Theatre Arts 190. The Experience of Theatre (4)

Upper Division Core Requirements

- A. English 214. English Syntax (4)
- English 250. Advanced Composition (4)

(Continued on the following page)

- B. *One* of the following:
 English 204. Fundamentals of Public Speaking (4)
 English 213. History of the English Language (4)
 English 251. Creative Writing (4)
 English 280. Style in English (4)
 English 294. Seminar: Special Topics in Linguistics (4)
 Linguistics 290. Seminar in Linguistics (4)
- C. English 207. Practice in Literary Criticism (4)
- D. English 267. Shakespeare (4)
- E. English 285. Studies in Literature, Composition and Reading (4)
- F. English 235. Readings in World Literature# (4)
- G. *One* of the following:
 English 200. The Age of Belief and Doubt# (4)
 English 201. The Age of Reason and Revolution# (4)
 English 202. The Age of Crisis and Anxiety# (4)
- H. *Two* of the following:
 English 239. American Literature I# (4)
 English 240. American Literature II# (4)
 English 241. American Literature III# (4)

In addition to the above, one of the following options must be completed (students who choose either the Literature option or the Linguistics option will have the necessary courses for a major in English):

Literature Option

- A. *One* of the following:
 English 235. Readings in World Literature (4)
 English 238. Literature of China and Japan (4)
 English 242. Afro-American Drama (4)
 English 243. Afro-American Poetry (4)
 English 244. Afro-American Prose (4)
 Spanish 287. Contemporary Mexican American Literature (4)
- B. *One* of the following:
 English 200. The Age of Belief and Doubt (4)
 English 201. The Age of Reason and Revolution (4)
 English 202. The Age of Crisis and Anxiety (4)
- C. *Two* of the following:
 English 239. American Literature I (4)
 English 240. American Literature II (4)
 English 241. American Literature III (4)
- D. English 290. Seminar in Literature (4)
- E. One other literature course (with English prefix)

Linguistics Option

Students wishing to count the Linguistics option as their minor for graduation should consult a Linguistics adviser in English Department.

- A. *Three* of the following:
 English 211. Phonology (4)
 English 218. Introduction to Historical Linguistics (4)
 English 219. Psycholinguistics (4)
 English 220. Linguistic Analysis (4)

(Continued on the following page)

These course requirements will be waived for students who select the Literature option.

B. *Three courses selected from:*

- English 290. Seminar in Literature (Chaucer)† (4)
- English 294. Seminar: Special Topics in Linguistics†
- English 494. Seminar: Topics in Linguistic Theory† (4)
- Linguistics 290. Seminar in Linguistics (4)

NOTE: English 494 can be taken only if student is eligible to enroll in a graduate course.

Theatre Arts Option

- A. Theatre Arts 230. Acting II (4)
- B. Theatre Arts 235. Directing (4)
- C. Theatre Arts 237. Drama Activities for Children (4)
- D. *Six units of Theatre Arts 240. Production Workshop (3)*
- E. *One of the following:*
 - Theatre Arts 245. Costume for Stage and Television (4)
 - Theatre Arts 247. Scenery for Stage and Television (4)
 - Theatre Arts 248. Lighting for Stage and Television (4)
- F. *One of the following:*
 - Theatre Arts 255. The Theatre: Classic to Renaissance (4)
 - Theatre Arts 257. The Theatre: Renaissance to Modern (4)

Journalism Option

- A. Communications 100. Introduction to Newswriting and Reporting (4)
- B. Communications 150. Introduction to Communications (4)
- C. Communications 250. Advanced Newswriting and Reporting (4)
- D. Communications 253. Newspaper and Magazine Workshop (2)
- E. *One of the following:*
 - Communications 251. Radio and Television Newswriting (4)
 - Communications 257. Makeup and Design for Print Media (2)
- F. Communications 259. Law of the Mass Media (4)

COURSE OFFERINGS IN ENGLISH**Lower Division**

- 100. ORAL AND WRITTEN EXPRESSION I (4).** Basic language skills and techniques of composition. Papers regularly required. F (d/e), W (d/e), S (d/e)
- 101. ORAL AND WRITTEN EXPRESSION II (4).** Techniques of composition with emphasis on research. *Prerequisite: English 100.* F (d/e), W (d/e), S (d/e)
- 130. MODERN FICTION (4).** Lectures and discussions on selected aspects of modern (post-Industrial Revolution) fiction. Recommended for both English majors and for non-majors seeking to widen their knowledge of literature. F (d/e), W (d/e), S (d/e)
- 135. VOCABULARY DEVELOPMENT (4).** Study aimed at enhancing student understanding and use of the English vocabulary. Recommended for non-majors as well as English majors. Especially recommended for students planning to take the LSAT, MCAT, GMAT, NTE, or Graduate Record Exam. F(d), W(e), S(d)

† Consult class schedule and/or English Department bulletin boards for specific themes and topics to be covered each quarter.

Upper Division

English 101 or equivalent is a prerequisite to all upper-division courses in English.

- 200. THE AGE OF BELIEF AND DOUBT (4).** Intensive study of selected major British works (excluding drama) prior to 1640.† F (d)
- 201. THE AGE OF REASON AND REVOLUTION (4).** Intensive study of selected major British works (excluding drama) from 1640 to 1832.† W (d)
- 202. THE AGE OF CRISIS AND ANXIETY (4).** Intensive study of selected major British works (excluding drama) from 1832 to the present.† S (d)
- 204. FUNDAMENTALS OF PUBLIC SPEAKING (4).** An introduction to public speaking with emphasis on the strategy of content, the dynamics of effective presentation—including rapport between speaker and audience—and the utilization of speaking skills in the community. S (d)
- 207. PRACTICE IN LITERARY CRITICISM (4).** Practice in literary criticism from several perspectives: archetypal, formalist, linguistic, psychological, and social. Written exercises regularly required. F (d), W (e), S (d)
- 210. THE STUDY OF LANGUAGE (4).** Traditional and modern approaches to the study of language; fundamentals of phonology and grammar. (Same as French 210 and Spanish 210.) F (d), W (d), S (d)
- 211. PHONOLOGY (4).** The phonetics of a variety of languages and the phonetic phenomena that occur in natural languages. Practice in the perception and transcription of such phenomena. Introduction to the traditional and current views of phonological theory. W (d)
- 213. HISTORY OF THE ENGLISH LANGUAGE (4).** The evolution of English from its Indo-European origins. F (d)
- 214. ENGLISH SYNTAX (4).** English syntax approached through a generative-transformational model. F (d), W (e), S (d)
- 217. SOCIOLINGUISTICS: BLACK ENGLISH AND READING (4).** Instruction to enable teachers of reading to discriminate between reading errors and dialectal variations of speakers of Black dialect. Remediation techniques for non-dialectal reading errors; survey of available literature on sociolinguistics and reading. *Prerequisites: One course in linguistics and either Education 230 or consent of instructor.* F (d), S (e)
- 218. INTRODUCTION TO HISTORICAL LINGUISTICS (4).** The methods and theories appropriate to the historical study of language. *Prerequisite: English 211.* F (d)
- 219. PSYCHOLINGUISTICS (4).** A survey of current theory and research in the psychology of language and its historical background; recent experiments on speech production and comprehension; the acquisition of language by children; disorders of speech and language. *Prerequisite: English 210 or 214, or one course in psychology, or consent of instructor.* W (d), S (e)
- 220. LINGUISTIC ANALYSIS (4).*** Descriptive and formal analysis of phonological, syntactic, and/or historical data from a variety of human languages. *Prerequisite: English 211 and/or 214.* S
- 233. THEMATIC APPROACHES TO LITERATURE (4).*** An exploration of literature organized around such themes as Love's Body, The Alienated Hero, etc., using works from a variety of cultures and historical periods.† F (d), S (d)

† Consult class schedule and/or English Department bulletin boards for specific themes or topics to be covered each quarter.

* Repeatable course.

† Consult class schedule and/or English Department bulletin boards for specific themes or topics to be covered each quarter.

235. **READINGS IN WORLD LITERATURE (4).*** Intensive study of selected major writers from the world's literature, read in translation. F (d), W (d), S (e)
236. **ASIAN-AMERICAN LITERATURE (4).** Readings and discussion of representative works of Asian-American writers. S (e)
237. **MODERN AFRICAN LITERATURE (4).** Major works of modern African literature (read in translation) reflecting contemporary African consciousness. Includes such authors as Achebe, Armah, Brutus, Mtshali, Sembene, Soyinka, and Tutuola. F (e)
238. **LITERATURE OF CHINA AND JAPAN (4).** Study of selected works in translation from the classical and modern period of Chinese and Japanese literature. F (d)
239. **AMERICAN LITERATURE I: THE NEW LAND (4).** Intensive study of selected works of American literature from the Colonial Period to 1865. *Prerequisites: English 130 or equivalent or consent of instructor. English 239, 240, and 241 may be taken separately and in any order.* F (d), S (d)
240. **AMERICAN LITERATURE II: THE AGE OF REALISM (4).** Intensive study of selected works of American literature from 1865 to 1929. *Prerequisites: English 130 or equivalent or consent of instructor. English 239, 240, and 241 may be taken separately and in any order.* F (d), W (d), S (e)
241. **AMERICAN LITERATURE III: MODERN AMERICA (4).** Intensive study of selected works of American literature since 1929. *Prerequisites: English 130 or equivalent or consent of instructor. English 239, 240, and 241 may be taken separately and in any order.* F (e), W (d), S (d)
242. **AFRO-AMERICAN DRAMA (4).** Survey of major twentieth century Afro-American and African plays. Focus on drama as a medium in forming particular aspects and textures of the Black experience and in presenting the human dilemmas confronting Blacks in the modern world. W (d)
243. **AFRO-AMERICAN POETRY (4).** A study and analysis of the historical development of Black poetry in Africa and the New World. A comparison of poems from the diaspora of the New World with the colonial situation of Africa. Special emphasis on contemporary poets. W (d), S (e)
244. **AFRO-AMERICAN PROSE (4).** A study of selected Afro-American works of fiction and non-fiction. F (d), S (d)
245. **THEORY OF LITERARY CRITICISM (4).** Major works in literary criticism selected from Aristotle to the present. *Prerequisites: English 207 and two courses in literature, or consent of instructor.* F (d), S (d)
250. **ADVANCED COMPOSITION (4).*** Advanced practice in non-fiction prose writing. *Course repeatable for all students except English majors and minors.* F (d/e), W (d/e), S (d/e)
251. **CREATIVE WRITING (4).*** Practice in various forms of imaginative writing. *Prerequisite: Consent of instructor.* F (e), W (d), S (d)
252. **WRITING AND SPEAKING SKILLS FOR MANAGEMENT (4).*** The basic principles and skills of effective speaking and writing within a framework of organizational management. *Course repeatable for all students except English majors and minors.* F (d/e), W (d/e), S (d/e)
255. **EXPOSITORY WRITING (4).** Intensive training in expository writing for students with demonstrated competency in composition. Study of advanced principles of rhetoric, structure, and style. Frequent writing assignments. *Prerequisite: Consent of Instructor.* S (d)

* Repeatable course.

265. **DEVELOPMENT OF THE ENGLISH DRAMA (4)**. Survey of major English dramatists (excluding Shakespeare) from the beginning (ca. 1550) through the eighteenth century. Includes such playwrights as Marlowe, Jonson, Beaumont, Fletcher, Webster, Congreve, Dryden, Lillo, Steele, Goldsmith, and Sheridan. *Prerequisite: At least one previous course in dramatic literature.* W (d)
267. **SHAKESPEARE (4)**. Selected comedies, histories, and tragedies. F (e), W (d), S (d)
269. **MODERN DRAMATIC LITERATURE (4)**. Study of representative modern and contemporary plays from Ibsen to the present, as selected by the instructor. S (d)
270. **TWENTIETH CENTURY EXPERIMENTS IN LITERARY FORM (4)**. Explorations of relations between form and matter in literary works through intensive study of some of the experimental writing of this century. F (d), S (d)
275. **MODERN SOCIAL AND POLITICAL FICTION (4)**. Selected fiction concerned with social and political ideals, movements, and conditions. Works from the nineteenth and twentieth centuries, both American and European, considered. *Prerequisite: English 130 or equivalent, or consent of instructor.* F (d), W (d), S (e)
276. **SELECTED TOPICS IN POPULAR LITERATURE (4)***. Examination of various aspects of popular literature in relation to the culture that produced it. Course may be repeated as many times as desired, provided course content differs. English majors and minors may apply this course no more than twice toward fulfilling major or minor requirements. Suitable for non-majors as well as majors. F (d), W (e), S (d)
280. **STYLE IN ENGLISH (4)**. An investigation of how language functions in literature. Style as a concept. Practice in close analysis of the style of selected texts. S (d)
285. **STUDIES IN LITERATURE, COMPOSITION, AND READING (4)**. Practice in devising strategies appropriate to the needs of 7-12 grade students; special emphasis on techniques of developing language skills, of analyzing genres, of making literature accessible, and of generating essay topics from that literature. Papers regularly required. Course required for single subject credential in English. S (d)
290. **SEMINAR IN LITERATURE (4)***. Intensive study of one or more authors, a single historical period, a literary genre, or an aspect of literary criticism. F (d), W (d), S (e)
294. **SEMINAR: SPECIAL TOPICS IN LINGUISTICS (4)***. An intensive investigation of a topic or group of related topics of special interest to students and instructor. May vary from the study of a single earlier period of a language to the consideration of a "school" of linguists or the investigation of local dialects. *Prerequisite: consent of instructor.* F (d), W (d)
298. **INDEPENDENT STUDY (1, 2, 3, 4)***. In consultation with a faculty member, extensive reading in some area or a project involving original research or creative writing. *Arrangements must be made a quarter in advance of registration. Prerequisite: Consent of instructor and department chairperson.* F (d), W (d), S (d)

Graduate

See the Graduate Bulletin in this catalog for all graduate courses in English offered at California State University Dominguez Hills.

* Repeatable course.



EXPERIENTIAL EDUCATION (and EPIC)

Director: Jack Belasco, Ed.D., Associate Professor

Professor: Vernon A. Ouellette, Ed.D.

Associate Professor: David Reiss, M.A.

Assistant Professor: Richard L. Mitchell, Ph.D.

Lecturers: Marilyn Alexander, B.A.; Josephine Fay, M.A.; Raul Romero, M.A.;
Harriet Terry, M.B.A.

The program stresses the desirability of integrating a student's academic studies and career goal with on-the-job learning experience. When there is an evident relationship between employment experiences and the student's academic studies, the student can qualify for academic credit under the following conditions:

1. The work experience, as applied to an individual student, must have relevance to the student's educational goals.
2. The work experience must be adequately supervised by the employer and the University coordinator.
3. The work experience must be judged as satisfactory by the employer and a suitable evaluation of what has been learned from the experience must be prepared and submitted by the student.
4. The student must attend three classroom seminars and complete required course work.

Subject to the above four conditions, a student may earn *four* credits per quarter for work experience, up to a total of 16 elective credits toward the bachelor's degree.* Continued Experiential Education credit toward the total allowed must be based on a progression of experience or of learning on the job. Experiential Education credit are counted as electives and do not replace specific academic course requirements.

Experiential Education may be applied (under the above stated conditions) to the student's own employment or to a job placement arranged by the University. Although every effort, within the limits of budget and staff time, will be made to arrange suitable placements for students in Experiential Education, the University cannot guarantee placement to any applying student.

Students enrolling in Experiential Education may alternate quarters of full-time study with quarters of full-time work experience, subject to the approval of the Director of Experiential Education. This more often applies to the internship program (EXE 202). Most work out a schedule of concurrent study and work experience.

Experiential Education programs can be arranged in the various schools or departments within the University. They may include exploratory experiences as well as those specifically related to a particular academic course or major (the latter corresponding to what might be called internship).

In summary, Experiential Education provides an organized plan for utilizing

* Eight quarter units of approved cooperative education may be transferred from an accredited community college or other institution of higher education as part of the 16 allowable credits.

various forms of non-classroom work or service-oriented experience to enhance the total education of students who take advantage of the program. The plan also provides needed financial assistance to many students though its chief purpose is concerned with the educational benefits offered through the program.

COURSE OFFERINGS IN EXPERIENTIAL EDUCATION

- 200 A. EXPERIENTIAL EDUCATION: CAREER MANAGEMENT (4).** Open to students who are interested in developing a detailed career plan as a basis for a career management program. Requires self-study, occupational employment analysis and specific planning. *Consent of instructor required.*
- 200 B. EXPERIENTIAL EDUCATION: CAREER EXPLORATION (4).** Open to students who have developed a career management program and who are ready to experience in-depth visitations to possible employment sites. Requires developing specific employment strategies as an extension of their career management program. *Consent of instructor required.*
- 201. EXPERIENTIAL EDUCATION (4).** Open to students who have career and educationally related employment. Requires a tripartite work agreement setting forth specific learning objectives, employer ratings, reports, and attendance at specified class seminars. *May be repeated 4 times for up to 16 units credit. Prerequisite: Consent of Director.*
- 202. EXPERIENTIAL EDUCATION: CAREER INTERNSHIPS (4).** Enrollment is limited to students admitted to career internship programs. These programs are organized by business and institutional organizations to provide rigorous sequenced pre-professional experience. *Admission subject to approval by the cooperating agency and the director. Junior or Senior standing. Sequences may require more than one re-enrollment, up to a limit of 16 quarter units.*
- 210. EXPERIENTIAL EDUCATION: HUMANITIES (2, 4).** Students participate in an off-campus work program with an approved employer. Provides for an integration of academic study and related work experience, with the objective of extending formal education beyond the classroom. Registration requires permission of a departmental or interdisciplinary coordinator in the appropriate academic program in the School of Humanities and Fine Arts. *Prerequisite: Sophomore, junior, or senior standing.*
- 211. EXPERIENTIAL EDUCATION: ELECTRONIC MUSIC AND RECORDING INTERNSHIP (2, 4).** Students participate in an off-campus internship with an approved employer. Provides for an integration of academic study and related work experience with the objective of developing certificate level competency in electronic music and recording program. *Prerequisite: Music 273.*
- 212. EXPERIENTIAL EDUCATION: BILINGUAL COMMUNITY INTERNSHIP (2, 3).** Students participate in an off-campus internship which directly services monolingual Spanish-speaking persons. The course objective is to provide experience for persons who are developing reasonable communication skills in Spanish in a commercial or public service setting. May be repeated for a total of 10 units. *Consent of instructor required.*
- 221. EXPERIENTIAL EDUCATION: PHYSICAL EDUCATION (2, 4).** Students participate in an off-campus work program with an approved employer. Provides for an integration of academic study and related work experience with the objective of extending formal education beyond the classroom. Registration requires permission of a departmental or interdisciplinary coordinator in the appropriate academic program in the School of Natural Sciences and Mathematics. *Prerequisite: sophomore, junior or senior standing.*

- 401. EXPERIENTIAL EDUCATION: GRADUATE CAREER INTERNSHIPS (4).** Enrollment limited to graduate students interning with agencies requiring enrollment in cooperative education. Admission subject to approval by cooperating agency, appropriate graduate school and the Director of Experiential Education.

**CREDIT FOR PRIOR LEARNING
THROUGH
EXPERIENTIAL EDUCATION**

A trial program for the assessment of Credit for Prior Learning. Adopted for 1977-79 academic years. Students desirous of securing undergraduate college credit (up to 16 units) may enroll in the following courses. The courses grant credit on a CR/NCR basis.

- 280. EXPERIENTIAL EDUCATION: PREPARATION FOR ASSESSMENT OF PRIOR LEARNING (1).** Students prepare materials and/or portfolios documenting prior college-level learning that occurred in non-academic settings. Completed work may be presented to the appropriate academic unit for evaluation for credit. *Consent of Director of Experiential Education required.*
- 290. EXPERIENTIAL EDUCATION: ASSESSMENT OF PRIOR LEARNING (1 to 15).** Students who are desirous of securing college credit for prior learning, and who cannot match their experiences to specific courses for assessment, may enroll in this course. Credit allowed will offset undergraduate elective requirements. *Prerequisites: completion of Experiential Education 280. Consent of University College and Director of Experiential Education required.*

**EDUCATIONAL PARTICIPATION IN COMMUNITIES
(EPIC)**

Director: Carolyn L. Harris, M.A.

The Educational Participation in Communities Program (EPIC) is a campus wide volunteer service-learning program that recruits students to serve internships as tutors, bilingual interpreters, bilingual tutors, casework aides, administrative aides, big brothers/sisters, counselors and in a variety of other capacities. The basic aim of the program is to provide students an opportunity for learning experiences off campus and for active involvement in communities which California State University Dominguez Hills serve. This involvement results in a mutually beneficial relationship between the student, the University and the community. Students are able to test career-related goals and gain invaluable pre-professional experience. In addition, students are able to test theories in a practical situation while providing a service to community agencies. EPIC is a model of learning that mixes formal and informal education thereby making the University experience more meaningful to students.

Students are utilized to coordinate the activities between the agency, the University and the intern. The selection process for these students are according to University standards and guidelines relating to the employment of student assistants. These students are trained in leadership skills and serve as intermediaries between the students and the faculty. These students enroll in Experiential Education 207: EPIC Staff Training.

In order for students to be accepted as EPIC interns, they must be of junior or senior standing and must be screened. They are placed in an assignment that meets their particular needs. In order to receive credit, a student must fulfill the course requirements which may include the following:

- 120 hours of voluntary involvement in a community agencies (80 of which must be at the field site, 20 for preparation and 20 for evaluation);
- Establishment and submission of learning objectives;
- Attendance and participation in orientation and seminar sessions relating to skills assessment, resource sharing and evaluation;
- Submission of an Interpreting Journal, Paper, Daily Diary, or Case Study relating to experiences and learning objectives;
- Participation in an evaluation process at the field site;
- Completion of evaluation forms for the EPIC program.

COURSE OFFERINGS FOR THE EPIC PROGRAM

- 207. EPIC STAFF TRAINING (4).** Staff members are trained to coordinate EPIC functions. These functions entail recruitment, interviewing, placing, supervising, and evaluating student interns. The training provides instruction in organization and managerial techniques. In addition, students are prepared to enter the work environment with diverse skills in staff development such as research, program planning, and evaluation. The curriculum is divided into three areas: 1) Performance Objectives, 2) Learning Objectives, and 3) Projects. Fifteen hours per week participation are required. *Prerequisites: Sophomore, junior or senior standing and consent of instructor.*
- 208. EPIC INTERNSHIP (4).** The basic course for EPIC interns. Students participate at selected agency sites in solving community problems in such areas as drug abuse, juvenile delinquency, and remedial tutoring. The students test occupational goals by applying academic theory to real situations. Students are involved in training, seminar and evaluation sessions. *Prerequisites: Consent of instructor, junior or senior standing.*

FRENCH¹

(School of Humanities and Fine Arts)

Chairperson of Foreign Languages: Porfirio Sánchez, Ph.D., Professor

Professors: Winston R. Hewitt, Ph.D.; Yvone Lenard-Rowe, M.A.

The major in French constitutes the normal preparation for students who intend to make a career of teaching French. A major or minor in French also provides a useful background for those students who intend to use French for occupations in commerce, business, public service, or international trade, in capacities such as administrators, bilingual secretaries, translators, and interpreters. In addition, either the major or minor in French is recommended to students who are considering civil service careers such as those offered by the State Department (Consular Services, for example).

The quality of education in French has been such that those French majors from California State University Dominguez Hills who have wanted to teach at the college or university levels have frequently received Teaching Assistantships or University Fellowships from nearby universities. This additional financial assistance during graduate study aids them while working toward a Master's Degree or a Ph.D. in French literature, civilization, or linguistics. Most of the other French majors from this college have been interested in teaching French at the elementary or secondary levels and consequently enrolled for the additional year in the Teacher Education Program on our campus.

The library contains approximately 2,800 volumes in French holdings, as well as ten subscription periodicals in support of the French curriculum. This is further supplemented by the modern listening and recording equipment and tapes in the foreign language laboratory.

REQUIREMENTS FOR THE B.A. DEGREE IN FRENCH

Lower Division

French 110-111-112. First-, Second-, and Third-Quarter French (4, 4, 4)

French 120. Second-Year French (4)*

NOTE: Students who have completed two, three, or four years of high school French and who pass a proficiency test will be placed in the appropriate quarter of college French. Consult a departmental adviser for details.

Upper Division

A. Required Courses:

French 205. Advanced Composition, Syntax, and Stylistics (4)

French 210. The Study of Language (4)

French 250. French Culture I (4)

French 251. French Culture II (4)

French 252. French Literature I (4), *or*

French 240. Practical French for Translators and Interpreters (4)

French 253. French Literature II (4)

French 260. Explication de Textes (4)

French 295. Seminar in Special Topics in French Literature (4)

¹ Students interested in studying foreign language abroad should consult page 22.

* Repeatable course.

- B. Plus *one* elective from the upper division offerings in French.
Students planning to acquire a teaching credential must take French 270.

REQUIREMENTS FOR THE MINOR IN FRENCH

A. Required Courses:

- French 120. Second-Year French (4)
- French 205. Advanced Composition, Syntax, and Stylistics (4)
- French 210. The Study of Language (4)
- French 250. French Culture I (4), *or*
- French 251. French Culture II (4)
- French 252. French Literature I (4), *or*
- French 253. French Literature II (4)

- B. Plus *one* elective selected from the list of upper division offerings in French (including French 280). *Candidates for a teaching credential must take French 270.*

REQUIREMENTS FOR SINGLE-SUBJECT TEACHING CREDENTIAL IN FRENCH

Lower Division

- French 120. Second-Year French (4)

Upper Division

- French 205. Advanced Composition, Syntax and Stylistics (4)
- French 210. The Study of Language (4)
- French 240. Practical French for Translators and Interpreters (4), *or*
- French 260. Explication de Textes (4)
- French 250. French Culture I (4)
- French 251. French Culture II (4)
- French 252. French Literature I (4)
- French 253. French Literature II (4)
- French 270. French as a Living Language (4)
- French 295. Seminar in Special Topics (4)

COURSE OFFERINGS IN FRENCH

Courses are conducted in French, except 200, 210, 240, 250, 251, and 270.

Lower Division

- 110. FIRST-QUARTER FRENCH (4).** Basic instruction in French. Training in speaking, listening, reading, and writing for students who have had no previous work in French. F (d/e), S (d)
- 111. SECOND-QUARTER FRENCH (4).** A continuation of French 110. *Prerequisite:* French 110 or a satisfactory score on a placement test. F (d), W (d/e)
- 112. THIRD-QUARTER FRENCH (4).** A continuation of French 111. *Prerequisite:* French 111 or a satisfactory score on a placement test. W (d), S (d/e)

120. **SECOND-YEAR FRENCH (4).*** Individualized instruction in French language, life and letters for second-year and advanced first-year students in French. *Prerequisite: At least one year of college French or consent of instructor. This course taken successfully twice completes lower division requirements for the major and the minor.* F (d), W (d)

Upper Division

200. **CUISINE IN FRENCH CULTURE (4).** Historical and cultural aspects of food preparation and gastronomy. The unique interrelation in French civilization between food resources, aesthetics, and society. Student participation in research, menu composition, and food preparation. Conducted in English. F (d), S (d)
201. **A BON VIVANT GUIDE TO FRENCH CULTURE (4).** Introduction to products of French art and artisanship known to Americans: Baccarat crystal, Limoges china, Grasse perfumes, Aubusson tapestry, cheeses, wines, cognac, etc. Lectures and class discussion will be abundantly illustrated with slides and realia. Lectures in English.
205. **ADVANCED COMPOSITION, SYNTAX, AND STYLISTICS (4).** A reading, composition, and discussion course concerned with elements of style and syntax, with emphasis on creative writing by the students. *Prerequisite: French 120 or equivalent.* S (d)
210. **THE STUDY OF LANGUAGE (4).** Traditional and modern approaches to the study of language; fundamentals of phonology and grammar. (Same as English 210 and Spanish 210.) F (d/e), W (d/e), S (d/e)
240. **PRACTICAL FRENCH FOR TRANSLATORS AND INTERPRETERS (4).*** Translation from French to English and English to French with practical application for journalistic, advertising, commercial, and governmental activities. Introduction to the art of consecutive translation. *Prerequisite: French 205 or equivalent.* W (d)
250. **FRENCH CULTURE I (4).** An area studies course focusing on patterns of French civilization and culture. Lectures in English, readings in French for French majors, in English for others. French 250 and 251 may be taken separately and in either order. *Prerequisite: French 120 or equivalent.* F (d)
251. **FRENCH CULTURE II (4).** An area studies course focusing on patterns of modern French civilization and culture. Lectures in English; readings in French for French majors, in English for others. French 250 and 251 may be taken separately and in either order. *Prerequisite: French 120 or equivalent.* W (d)
252. **FRENCH LITERATURE I (4).** Adventure in War, Romance, Love, Passion, Wit, and Wisdom, as reflected in French literature prior to the Revolution. *Prerequisite: French 120 or equivalent.* F (d)
253. **FRENCH LITERATURE II (4).** Prose and Poetry of the Nineteenth and Twentieth Centuries: From the Romantics to the "accursed" poets to the Surrealists, and from the novel to the anti-novel. *Prerequisite: French 120.* W (d)
260. **EXPLICATION DE TEXTES (4).** Explication of some of the great poems and prose passages of French literature. *Prerequisite: French 120.* S (d)

* Repeatable course.

270. **FRENCH AS A LIVING LANGUAGE (4)**. A practical course on aspects and problems of language acquisition. Emphasis on contemporary theories and experiments pertaining to linguistic transitions made by English speakers acquiring French proficiency. A required course for credential candidates. *Prerequisites: A functional knowledge of French and/or consent of instructor.* S (d)
282. **FRENCH CINEMA (4)**. Investigation of themes and aesthetic vision of representative French film directors. Designed to increase the awareness of French culture. Films selected will have English subtitles. Course to be conducted in English.
295. **SEMINAR IN SPECIAL TOPICS IN FRENCH LITERATURE (4).*** Intensive study of a single author (e.g., Racine, Zola, Valéry), a literary movement (e.g., Romanticism, Existentialism), a literary genre (e.g., theater, poèmes en prose) or a single work (e.g., *Madame Bovary*, *La Jeune Parque*). *Prerequisite: French 260 or consent of instructor.* S (d)
298. **INDEPENDENT STUDY (4).*** Independent study of a literary or linguistic problem, author, or movement. *Prerequisites: B average in French, upper division standing, and consent of instructor and department chairperson.* F (d/e), W (d/e), S (d/e)

* Repeatable course.

FUTURE POLICY STUDIES

(School of Social and Behavioral Sciences)

Coordinator: Linda Groff, Ph.D., Assistant Professor (Political Science)

Additional faculty members from cooperating departments serve as advisors in the program.

Future Studies is a field of interdisciplinary studies which recognizes that the multitude of problems confronting the world today are complex and interdependent, and that solutions to these problems require long-range planning, as well as changes in life-styles and values, if a desirable future is to be achieved on this planet. The purpose of the Future Policy Studies minor is to introduce students to some of the range of current problems and changes confronting the world today (in such areas of technology as computers, communications, transportation, architecture, medicine, agriculture, weaponry and space; and in climate, the environment, resources and energy, food, population, the economy and work, lifestyles and alternative communities, values, and consciousness), to the interdependence and future implications of current problems and policies, to methods for forecasting the future, to the range of possible world futures, and to the urgency of developing long-range policies now to ensure that a more desirable future does occur.

REQUIREMENTS FOR THE MINOR IN FUTURE POLICY STUDIES

A. Required Course: Future Studies 200. Introduction to Future Studies and Forecasting (4)

Five additional courses (selected under B and C below) should be selected in consultation with a Future Policy Studies advisor, based on the student's interests and major. Three of these courses are to be selected from at least two schools (preferably three), with no more than two courses from a particular department. Courses taken to satisfy General Education requirements or other major or minor requirements cannot be used for this minor. Students must select their courses from the lists below, unless *prior* approval is obtained for a substitute course from both an advisor and the chairperson of the Future Policy Studies Committee.

B. Required: *Two* core courses selected from the following general overview courses in Future Policy Studies:

- Anthropology 249. Anthropology of the Future (4)
- Economics 260. Economics and the Future (4)
- History 217. The Future in History (4)
- Political Science 238. Global Planning and the Future (4)
- Sociology 289. Sociology of the Future (4)
- Philosophy 217. Values and the Future (4)

(Continued on the following page)

C. Electives: *Three* additional courses selected from the above list (B) *or* from the following courses:

Humanities and Fine Arts:

English 276. Selected Topics in Popular Literature (*only* section on Science Fiction) (4)

English 290. Seminar in Literature (*only* section on Science Fiction) (4)

Philosophy 225. Philosophy of Literature (*only* section on Speculative Fiction) (4)

Philosophy 272. Philosophical Dimensions of Parapsychology (4)

Management:

Business Administration 205. Social Responsibility of Business (4)

Public Administration 239. Social Change and the Administrative Process (4)

Natural Sciences and Mathematics:

+Biology 236. Environmental Biology (4)

+Biology 246. Human Heredity (4)

Chemistry 102. Chemistry for the Citizen (4)

Physics 101. Insights in Contemporary Physics (*only* sections on Energy and Ecology, or on Recent Revolutions in Modern Physics) (4)

Physics 206. Modern Physics: Its Impact on Twentieth Century Thought (4)

Social and Behavioral Sciences:

History 212. Utopian and New Communities (4)

Political Science 275. Technological Policy and the Future (4)

Psychology 275. Psychology of Consciousness (4)

Sociology 232. Urbanization and Social Ecology (4)

Sociology 282. Methods of Social Impact Assessment (4)

COURSE OFFERINGS IN FUTURE POLICY STUDIES

200. INTRODUCTION TO FUTURE STUDIES AND FORECASTING (4). An introduction to some of the wide range of issues and methods of forecasting in the Future Studies field, via panels made up of faculty members interested in these various topics. Possible topics include technological developments in various areas, relationships between ecological and human social systems, and changing values, lifestyles, and consciousness.

+ Consult course description for prerequisite.

GEOGRAPHY

(School of Social and Behavioral Sciences)

Chairperson: J. Robert Stinson, Ph.D., Professor

Professors: Robert B. Johnson, Ph.D.; Gregory L. Smith

Associate Professor: Charles F. Forbes, Ph.D.

Assistant Professor: Michael A. Romanov, Ph.D.

Geography integrates the social, cultural, economic, political, biological, and physical characteristics of the earth in terms of locations, distributions, and spatial interactions. It assesses their significance in today's world. The study of our terrestrial environment is a major component of the discipline.

The Geography major is flexible and allows maximum latitude in matching individual aptitudes, interests, and career goals. Students have the opportunity to specialize in one of the following areas: Environmental Geography; Urban, Political, and Economic Geography; and Geographic Techniques. Considerable latitude is allowed in course substitutions from related fields, through advisement.

REQUIREMENTS FOR THE MAJOR

A. Required of *all* students:

- Geography 100. Elements of Geography (4)
- Geography 111. Geography of the World Society (4)
- Geography 112. Environmental Geography (4)
- Geography 295. Senior Seminar in Geography (4)

B. *Nine* upper division *courses* (36 quarter units) are required for the major in Geography, including Geography 295. Senior Seminar. *For those students interested in continuing to the Environmental Studies Graduate Program at CSUDH, the certificate program in Environmental Geography is recommended.*

REQUIREMENTS FOR THE MINOR IN GEOGRAPHY

Six courses (24 units) of upper division geography courses. Courses from related fields of study in other disciplines may be substituted through advisement.

CERTIFICATE PROGRAMS

The Certificate in Geography is awarded to those majors who successfully complete at least three additional upper-division courses beyond the 36-unit minimum required for the major, making a total of 48 units or more. Basic requirements remain the same.

SUGGESTED CERTIFICATE CONCENTRATIONS

Environmental Geography

This concentration is intended to prepare students for productive careers in environmental planning and analysis, and as preparation for graduate work in Environmental Studies. *Twelve courses* including:

- Geography 222. Environmental Problems (4)
- Geography 234. Workshop in Environmental Geography (4)
- Geography 295. Senior Seminar in Geography (4)
- Geography 313. Biogeography (4)
- Geography 320. Geography of Natural Resources (4)
- Geography 321. Geography of Energy (4)
- Geography 333. Environmental Impact Assessment (4)
- Geography 375. Environmental Perception (4)

Urban, Political, and Economic Geography

This concentration is intended to prepare students for careers in public service and in commerce and industry, or for graduate programs in related professional fields. *Twelve courses* including:

- Geography 225. Economic Geography (4)
- Geography 235. Urban Geography (4)
- Geography 246. Political Geography (4)
- Geography 295. Senior Seminar in Geography (4)
- Geography 326. Industrial & Commercial Location (4)
- Geography 328. Geography of Transportation and Communication (4)
- Geography 336. Land Use (4)

Geographic Techniques

This concentration is intended to prepare students for the increasing opportunities for technical work in cartography, remote sensing, field data collection, and the like, or for graduate work in those areas. *Twelve courses* including:

- Geography 205. Cartography (4)
- Geography 207. Advanced Cartography (4)
- Geography 208. Maps, Photographs, and Remote Sensing (4)
- Geography 295. Senior Seminar in Geography (4)

COURSE OFFERINGS IN GEOGRAPHY

Lower Division

- 100. ELEMENTS OF GEOGRAPHY (4).** Distribution of human habitats in terms of constraints and opportunities. Special emphasis on the dynamic spatial interactions among humans, other life forms, and the earth in the more constraining environments.
- 111. GEOGRAPHY OF THE WORLD SOCIETY (4).** Patterns of distribution, connections, and interactions within the geographically more favorable habitats of the Developed World. Interaction and interconnections with the Underdeveloped and Undeveloped Worlds.
- 112. ENVIRONMENTAL GEOGRAPHY (4).** Magnitude and significance of human impacts on the earth's physical and biological systems.

Upper Division

- 201. WORLD REGIONAL GEOGRAPHY (4).** The characteristics of world regions. Exposition of the integrations and interactions among physical, biological, cultural, social, economic, and political factors.

205. **CARTOGRAPHY (4)**. Principles, techniques, and design and production of maps and graphs for data presentation. *One hour of lecture and six hours of laboratory per week.*
207. **ADVANCED CARTOGRAPHY (4)**. Planning and preparing maps, graphics, photographs, and models. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Geography 205 or equivalent.*
208. **MAPS, PHOTOGRAPHS, AND REMOTE SENSING (4)**. Interpretation of the features of physical and cultural landscapes from maps and sensor imagery. *Two hours of lecture and four hours laboratory per week.*
210. **GEOMORPHOLOGY (4)**. Analysis of the origins, distributions, and human significance of world landforms. The processes and products of erosion, soil conditions and formation, and effects of interior earth forces.
215. **WEATHER (4)**. Composition of the atmosphere and the basic principles of meteorology.
216. **CLIMATE (4)**. Meteorological factors as they relate to climatology, principles of climatic classification, distribution of climates over the world, and climatic considerations in human activity.
222. **ENVIRONMENTAL PROBLEMS (4)**. Nature and sources of environmental problems and methods for their mitigation.
223. **GEOGRAPHY OF CONSERVATION (4)**. Worldwide, oceanic, continental national, regional, and local conservation problems, practices, and policies. Comparison and contrast of perceptions and priorities in conservation of both renewable and non-renewable resources, natural assemblages, and aesthetic values in representative places.
224. **POPULATION AND THE ENVIRONMENT (4)**. Analysis of world, national and state, rural and urban population growth rates, distribution, and management. Impacts of technology.
225. **ECONOMIC GEOGRAPHY (4)**. Location, distribution, and flow of the world's major types of production and associated systems of distribution and consumption: an interpretation of economic activities in relation to cost of production including natural resources.
234. **WORKSHOP IN ENVIRONMENTAL GEOGRAPHY (4)**. Study, observation, and analysis of selected problems in environmental studies. A series of all-day workshops covering selected topics. *One hour of lecture and six hours of field activity per week.*
235. **URBAN GEOGRAPHY (4)**. Urban settlement and land use. Spatial distribution of environmental phenomena in cities. Intraurban and external transportation and communication patterns of cities.
246. **POLITICAL GEOGRAPHY (4)**. An examination of political processes and organization with respect to geographic space and of the evolution, character, and potential future of the contemporary political geographic patterns and interactions at all levels from the locality to the world. Emphasis on tendencies toward unity and disunity, cooperation and competition, and the persistence of historical political patterns.
248. **DOCUMENTATION PHOTOGRAPHY (4)**. Photographic methods, copying techniques, and laboratory procedures for documentation. *Two hours of lecture and six hours of laboratory per week.*

258. **COASTAL GEOGRAPHY (4)**. Use and availability of coastal lands and adjacent water bodies. Stresses: formative processes, opportunities and constraints on development, and man's impact on the coastal environment.
259. **GEOGRAPHY OF CALIFORNIA (4)**. California as a microcosm, illustrating basic geographic principles. Dynamic interactions of humans, other life, and the land.
260. **GEOGRAPHY OF THE UNITED STATES AND CANADA (4)**. Distribution of natural resources, political and economic development, settlement, and demography in the United States and Canada.
261. **GEOGRAPHY OF LATIN AMERICA (4)**. An analysis of the distribution of the elements of geography as they affect population patterns and cultural activities in the countries of Latin America and selected economic, social, and political problems in each region.
270. **GEOGRAPHY OF EAST ASIA (4)**. Physical, cultural, economic, and political patterns and spatial distributions of the Far East. Relationships within and among Japan, China, Korea, and the Eastern USSR.
284. **MARINE GEOLOGY (4)**. Origin and nature of the topography and geology of the ocean floor and shoreline. Processes of marine erosion and sedimentation. Analysis of sedimentary rocks.
286. **STRUCTURAL GEOLOGY (4)**. Origin, nature, and interpretation of geologic structures. Experiments, demonstration, field mapping, and field trips.
295. **SENIOR SEMINAR IN GEOGRAPHY (4)**. Presentation and discussion of selected individual topics by students and staff members. Develops the insights gained from the major program. Capstone course for the Geography major. *Prerequisite: Senior standing or consent of instructor.*
298. **INDEPENDENT STUDY (2, 4)**. Independent study of a particular problem under the direction of a member of the Geography staff. *Prerequisite: Consent of instructor.*
312. **WATER AND THE ENVIRONMENT (4)**. Interactions between human beings and the hydrosphere. Consideration of the distribution and utilization of the fresh and salt waters of the world. The hydrologic cycle, ecology, settlement, and land use.
313. **BIOGEOGRAPHY (4)**. Geographical distribution, spatial relationships, and interactions among man and other organisms. Investigation of human impacts on plant and animal groups and distributions.
317. **MICROCLIMATOLOGY (4)**. Basic principles of microclimatology; relationship of microclimates to larger scale systems; effects of microclimates on air pollution and land use. *Prerequisite: Geography 215, 216, or equivalent.*
320. **GEOGRAPHY OF NATURAL RESOURCES (4)**. Distribution, transportation, and consumption of water, soils, food supplies, forest products and natural fibers, and minerals by area. Problems and trade-offs in resource management and land use over the world.
321. **GEOGRAPHY OF ENERGY (4)**. Worldwide, national, and regional distributions of currently usable and potential energy resources. Geographic trade-offs among current and potential alternative energy sources. Basic problems and areal comparisons in energy production, distribution, and consumption. Energy considerations in the geography of food and fiber production, processing and distribution.
326. **INDUSTRIAL AND COMMERCIAL LOCATION (4)**. Industrial sites and situations. Natural setting, transportation and communication, capital availability, governmental regulation, labor force, and markets.

328. **GEOGRAPHY OF TRANSPORTATION AND COMMUNICATION (4)**. Spatial attributes of communication and transportation avenues and networks. Flows, connections, and diffusion of ideas, values, information, data, people, and goods.
333. **ENVIRONMENTAL IMPACT ASSESSMENT (4)**. Federal and state requirements for environmental impact statements. Required inputs, presentation formats, and procedures for review and acceptance or rejection are studied.
336. **LAND USE (4)**. Sequential, compatible, and conflicting land uses. Zoning and regulation. Selected examples of impacts in public and private uses. Localization of environmental hazards and pollution. Local, regional, national, and worldwide patterns of waste management. Transportation, energy and resource commitment. Social and economic benefits from maximized land utilization.
375. **ENVIRONMENTAL PERCEPTION (4)**. Comparison of different cultures' conceptions and perceptions of the natural environment; individual or class projects comparing environmental perceptions of individuals or sub-groups within this society.
392. **SPECIAL TOPICS IN GEOGRAPHY (4)**. Special offerings in Geography, including unique, current, or experimental types of geographic materials (such as the geography of regional development programs for special areas; advanced work in industrial or commercial geography; special topics in cultural, historical, political, or environmental geography; use of remote sensors in geographical analysis; computer applications in geographic research; etc.)



HEALTH SCIENCE

(University College)

Members of the Health Science Committee:

Coordinator: Ira S. Schoenwald, Ph.D., Assistant Professor (Public Administration)

Professors: Chi-Hua Wu Hsuing, Ph.D. (Health Science); Abraham Kidane, Ph.D. (Economics)

Associate Professors: Robert Giacosis, Ph.D. (Biological Science); Richard Howard, Ph.D. (Sociology)

Additional faculty members from cooperating departments.

The major in Health Science is designed to offer a baccalaureate degree to presently-trained allied health personnel so that they may assume more responsible roles as health professionals. Three options are available to students pursuing the Bachelor of Science degree. The Health Care Management Option is designated to meet the growing need on a national, state, and local level for allied health personnel with supervisory and administrative training and a general foundation in the principles and theories of administration and management for serving in public and private health service institutions.

The Clinical Health Option, in cooperation with Charles Drew Postgraduate Medical School, is designed to provide the benefits of a broader understanding of the health care system with a specific clinical education and experience, enabling the student to provide direct patient service, in association with a physician, to urban and rural communities most critically affected by the shortage of physicians.

NOTE: Admission to Charles Drew Postgraduate Medical School for the Clinical Health (Physician Assistant) Option requires supplementary admission procedures. Consult with Charles Drew Postgraduate Medical School regarding their admission requirements.

The objective of the Community Health Option is to provide the necessary interpersonal skills and perspectives for the development of community outreach workers who possess technical health competencies.

The Health Care Management and Community Health Options are forty-unit packages which require a minor from any department offering a minor program. Selection of the minor should be done in cooperation with the members of the Health Science Committee. Because of the nature of the Clinical Health option, specifically in its providing the preparation for students to sit for an examination from the National Commission of Physician Assistants (in addition to a baccalaureate degree), 80 quarter units are required. However, no minor is required in the Clinical Health option.

REQUIREMENTS FOR THE MAJOR IN HEALTH SCIENCE

Lower Division

Prerequisites (Required)

- Biological Science 150. Elements of Human Anatomy and Physiology (4)
- English 100. Oral and Written expression I (4)
- English 101. Oral and Written Expression II (4)

Core Requirements (Five of the following)

- Health Science 200. Health Care Delivery Systems (4)
- Health Science 241. Medical Science (4)
- Health Science 321. Dynamics of Health Communication (4)
- Health Science 340. Disease and Society (4)
- Health Science 342. Health Behavior (4)
- Economics 284. Economics of Health (4)

OPTION IN HEALTH CARE MANAGEMENT

- Public Administration 201. Administrative Leadership and Behavior (4)
- Public Administration 207. Public Personnel Administration (4)
- Public Administration 270. Essentials of Health Care Administration (4)
- Public Administration 276. Health Care Organizations (4)
- Public Administration 279. Health Policy (4)

OPTION IN CLINICAL HEALTH (PHYSICIAN ASSISTANT)

- Health Science 250. Adult Health (12)
- Health Science 251. Adult Health Practicum (12)
- Health Science 252. Maternal-Child Health Surgery and Emergency Care (12)
- Health Science 253. Maternal-Child Health Surgery and Emergency Care Practicum (12)
- Health Science 254. Clinical Health Preceptorship (12)

OPTION IN COMMUNITY HEALTH

- Health Science 362. Environmental Health Problems (4)
- Public Administration 279. Health Policy (4)
- Sociology 227. Introduction to Epidemiology (4)
- Sociology 266. Social Aspects of Mental Illness (4)
- Sociology 270. Field Study in Urban Problems (4)

COURSE OFFERINGS IN HEALTH SCIENCE

- 200. HEALTH CARE DELIVERY SYSTEMS (4).** This course will survey the historical development and present nature of health care delivery systems. It will further investigate the influences of social structure, technology, and new health manpower upon the future direction and integration of systems of health care delivery in the United States.
- 220. HEALTH IN PUBLIC EDUCATION: PROACTIVE AND PRESCRIPTIVE MEASURES (4).** Discussion of pupil problems such as various kinds of drug abuse, malnutrition, parental abuse, how to detect them and refer to proper agencies for assistance. Details of drug dependence and malnutrition, and of the epidemiology and treatment of venereal diseases for effective presentation to students. *Meets Title 5, Regulations for the Health Education requirement, Section 5921.1.*
- 241. MEDICAL SCIENCE (4).** An advanced study of the nature and causes of disease pathologies. *Prerequisite: Consent of Instructor.*

250. **ADULT HEALTH (12).** When this module is completed, the student will be able to participate in the general medical care of adults in a primary care practice under the supervision of a physician. The student will be able to (1) acquire and record relevant information, (2) identify deviations from the normal, and (3) perform selected diagnostic and treatment procedures. *Prerequisite: Consent of instructor.*
251. **ADULT HEALTH PRACTICUM (12).** The clinical application of the skills and procedure performances identified in HEA 250. The students will be observed by an appropriate expert, who will certify on a performance checklist that the student has attained basic competencies. *Prerequisite: Consent of instructor.*
252. **MATERNAL—CHILD HEALTH, SURGERY, AND EMERGENCY CARE (12).** When this module is completed, the student will be able to participate in the care of pregnant women and in the care of gynecological patients in a primary care practice under the supervision of a physician. The student will also be able to participate in the care of patients with surgical and emergency conditions seen in primary care. *Prerequisite: Consent of instructor.*
253. **MATERNAL—CHILD HEALTH SURGERY, AND EMERGENCY CARE PRACTICUM (12).** The clinical application of the skills and procedure performances identified in Health Science 251. The student will be observed by an appropriate expert, who will certify on a performance checklist that the student has attained basic competency. *Prerequisite: Consent of instructor.*
254. **CLINICAL HEALTH PRECEPTORSHIP (12).** The goal of the Preceptorship is to enable the student to function effectively and efficiently in the primary care practice of an office-based physician; i.e., the preceptor. The Preceptorship builds on previously acquired clinical skills and professionalism. *Prerequisite: Consent of instructor.*
295. **INDEPENDENT STUDY (2, 4).** Independent study of a particular area of Health Science. *Prerequisite: Consent of instructor and advisor.*
321. **DYNAMICS OF HEALTH COMMUNICATION (4).** Fundamentals, principles, and skills of interpersonal and group processes utilized in health related occupations. Special emphasis is placed on the theory and techniques of writing, oral skills, interviewing, small group dynamics, and crisis intervention.
340. **DISEASE AND SOCIETY (4).** An overview of the nature, causes and related factors for the leading causes of death and disability. Relationships between the affected individual and environmental, genetic and psychological factors pertaining to disease states. To include health information to promote desirable attitudes and practices; i.e., healthful living.
342. **HEALTH BEHAVIOR (4).** A course designed to sensitize the health care professional to the social, psychological, and cultural aspects of health care problems.
362. **ENVIRONMENTAL HEALTH PROBLEMS (4).** This course will present a view of man within the context of the natural environmental systems on which he relies for survival. In particular, it will focus on the impacts of his activities on environmental quality, and the environmental health problems which result. Of particular concern will be the increased health risks of urban life, i.e., air pollution and respiratory disease, water pollution and health stress and cardiovascular disease, psychosocial disease, noise related health impairments, etc.
390. **SPECIAL TOPICS IN HEALTH SCIENCE (4).*** An intensive study of an issue, concept or technique that is of interest to both student and faculty in the area of Health Science. While some topics will fall completely within the field of Health Science, others may extend into other disciplines with relevance to Health Studies.

* Repeatable course.



HISTORY

(School of Social and Behavioral Sciences)

Chairperson: John W. Auld, Ph.D., Professor

Professors: Enrique Cortes, Ph.D.; Marilyn Garber, Ph.D.; Paul A. Gopaul, Ph.D.; Judson A. Grenier, Ph.D.; Donald Teruo Hata, Ph.D.; Howard Holter, Ph.D.; Donald A. MacPhee, Ph.D.

Associate Professors: David B. Cady, Ph.D.; Judith V. Grabiner, Ph.D.; Nancy Caro Hollander, Ph.D.; J. Bernard Seps, Ph.D.; Linda P. Pomerantz, Ph.D.; Frank A. Stricker, Ph.D.

Assistant Professor: Clement Okafor Udeze, M.A.

Every one of you is always searching for sources and is, in practice, an historian . . . Every business man who handles a complicated transaction, every lawyer who studies a case, is a searcher for sources and a practicing historian.
—Theodor Mommsen

The study of history will give students an understanding of modern society through a review of the past, and equip them with the broad cultural background essential to the study of education, literature, law, government, communications, journalism, public service, and business.

The department offers a major and a minor; it also offers several special programs in the study of Women and Community history, which are listed under the minor but may be taken by all interested persons. The History Program is structured to provide a wide range of topical and area courses for use both as general electives and as parts of several interdisciplinary majors.

History may be taken for a single subject teaching credential in California.

(The graduate courses in History are listed in the Graduate Bulletin of this catalog)

REQUIREMENTS FOR THE MAJOR IN HISTORY

Lower Division

History 110. The Western World: The Classical Foundation (4)

One course from the following:

History 111. The Western World: The Modern Experience (4)

History 112. Asia: The Great Tradition (4)

History 113. Latin America: Conflicts and Continuities (4)

Upper Division

History 200. Research and Writing Skills (4) *(Students are encouraged to enroll in this course as early in their program as possible)*

Nine additional courses in history, of which:

- A. *Three* must be in an area outside the United States (one from Europe; two from Africa, Latin America, and Asia) (12); *and*
- B. *Two* must be topical courses chosen from those numbered 201 through 239 (8); *and*
- C. *Three* additional upper division courses (12); *and*
- D. In the senior year, must include History 295 (4).

REQUIREMENTS FOR THE MINOR IN HISTORY

The minor consists of six upper division courses in History, one of which must be History 298 or History 295. Courses to be chosen upon advisement.

SPECIAL PROGRAMS IN HISTORY

These programs are academically equivalent to a Minor in History, but are substantially different from existing programs in their stress on community contact, practicums, and field work, or in providing an historical emphasis within an interdisciplinary approach to areas of contemporary concern.

WOMEN'S STUDIES

This program offers students an opportunity to understand the role of women in history and contemporary United States society.

A. Basic Courses (8 units)

History 239. Women in History (4), and
Sociology 219. The Sociology of Women (4).

B. Additional Background (12 units). *One* of the following:

History 231. Family in History; any course on minority *or* immigrant history when the student concentrates on the role of women; or another course with the consent of adviser (4),

History 238. Special Topics (when concerned with women or the family) (4), and
One of the following:

Sociology 220. Population and Society (4), *or*

Sociology 235. Social Movements (when the course concentrates on women) (4), and

One of the following:

Political Science 225. Women and Politics (4), *or*

Psychology 276. Psychology of Female Identity (4), *or* another related course taken with consent of advisor.

C. Directed Research and Independent Study (4 units)

History 298. Independent Study (a project designed in consultation between student and adviser); to be taken at the end of the program.

ARCHIVAL AND RECORDS MANAGEMENT

Students interested in developing skills in the area of archival and records management should consult with the department chairperson, who will refer them to appropriate departmental advisers to work out a plan of study, including archives-related courses when offered, independent study work, and, possibly, internship experiences.

COMMUNITY HISTORY

This program will familiarize students with the historical techniques involved in working on community problems and provide a vehicle for field work in surrounding communities.

A. Basic Methods (4 units)

History 200. Research and Writing Skills (4); history majors should substitute an additional section of History 291. Field Studies in the Uses of History (2).

(Continued on the following page)

- B. Application of Historical Skills (2 units)
History 291. Field Studies in the Uses of History (2), with either an oral or video emphasis.
- C. Additional Background (8 units)
History 213. History of Urban America (4), and
History 273. California (4).
- D. Directed Research and Independent Projects (4 units)
History 298. Independent Study (4), to be taken in consultation with advisor and to involve field work in the program.
- E. Final Courses (8 units)
History 211. Community History (4), and
History 294. Seminar in Archival and Records Management (4); both courses to be taken at the end of the program, because of their emphasis on the application of previous preparation and on-the-job training.

INDIVIDUAL AND STUDENT ORIGINATED PROGRAMS IN HISTORY

The department is interested, at all times, in meeting student interests and formulating individual programs. History 238 (Special Topics in History) and History 298 (Independent Study) were originated, in part, for this purpose. Should a sufficient number of students so desire, the Department will present a course in topics or areas not currently in the catalog. Students should contact an instructor interested in the proposed topic as the initial step in having the course scheduled.

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN HISTORY

Lower Division

- History 110. The Western World: The Classical Foundation (4)
One course from the following:
- History 111. The Western World: The Modern Experience (4)
- History 112. Asia: The Great Tradition (4)
- History 113. Latin America: Conflicts & Continuities (4)

Upper Division

History 200. Research and Writing Skills (4) (*Students are encouraged to enroll in this course as early in their program as possible*)

Nine additional upper division courses in History, of which:

- A. *Three* must be in an area outside the United States (one from Europe; two from Africa, Latin America, or Asia) (12); *and*
- B. *Two* must be topical courses chosen from those numbered from 201 through 239 (8); *and*
- C. *Three* additional upper division courses (12);* *and*
- D. In the senior year, must include History 295 (4).

* At least three courses must be in the area of United States History.

COURSE OFFERINGS IN HISTORY

Lower Division

- 100. PERSPECTIVES ON THE PRESENT (4).** An introduction to historical understanding and interpretation. Focus on topics designed to illustrate ways in which historical study can provide perspective on current concerns.
- 101. HISTORY OF THE UNITED STATES (4).** A study of the ideals, creeds, institutions, and behavior of the peoples of the United States. *Meets the State requirement in U.S. History.*
- 110. THE WESTERN WORLD: THE CLASSICAL FOUNDATION (4).** A search into the Judaeo-Christian, Greco-Roman and medieval through Reformation foundations of contemporary western civilization.
- 111. THE WESTERN WORLD: THE MODERN EXPERIENCE (4).** Significant institutions and ideas of European civilization in the modern era, sixteenth century to the present.
- 112. ASIA: THE GREAT TRADITION (4).** Historical introduction to the cultural legacies of China and Japan as a foundation for understanding modern and contemporary changes.
- 113. LATIN AMERICA: CONFLICTS & CONTINUITIES (4).** An investigation into the social and political institutions of Latin America from the pre-Columbian period to the present, with attention paid to the causes of dependency and the responses of a variety of Latin American movements to recurrent economic, social and political problems.

Upper Division

- 200. RESEARCH AND WRITING SKILLS (4).** Critical skills for historical research and writing, including the use of library resources; reading and reviewing techniques; interpreting documents and evaluating evidence; and methods for effective classroom presentations and research papers.

I. TOPICAL STUDIES:

- 201. THE BIBLE AS HISTORY (4).** A historical approach to the Old and New Testaments, including study of the archaeological sources, institutional developments, and the cultural milieu of the writings.
- 203. STUDIES IN RELIGIOUS HISTORY (4).*** Historical investigation of specific religious sects, doctrines, movements, and/or institutions in Western or other cultures from Ancient Civilizations to the present. Topics to vary; for example, Religious History: Crusades, or Religious History: Mysticism.
- 205. LABOR IN AMERICAN SOCIETY (4).** The role of labor in the political, economic, and social life of the United States, including growth of organized labor, rival ideologies, legal decisions, and contributions of various ethnic groups, from the colonial period to the present.
- 207. STUDIES IN LABOR HISTORY (4).*** Intensive study of a single period, problem, or area in the history of the working classes. Examples: Labor History: Labor in the Great Depression; Labor History: European Labor and Socialism; Labor History: Women Workers.

* Repeatable course.

- 208. BUSINESS HISTORY: AGE OF ENTERPRISE TO THE MULTINATIONALS (4)** Historical studies of business. Topics to vary. Examples: American business from Carnegie to Computers; changing philosophies and structures of corporations and management; International Business in the nineteenth century.
- 210. THE CITY IN HISTORY (4).** The rise of the city from earliest times to the present tracing the establishment and growth of cities as institutions and the development of the process of urbanization; comparison of selected cities.
- 211. LOCAL COMMUNITY'S HISTORY (4).** Investigation of the historical development of local communities, with emphasis upon the cities and neighborhoods of the students in the course. Field work and optional group and individual research projects.
- 212. UTOPIAS AND NEW COMMUNITIES (4).** Topical study of intentional and Utopian communities, both secular and religious, in theory and practice from ancient times to the present. Field activity will be incorporated.
- 213. HISTORY OF URBAN AMERICA (4).** Historical urban processes from colonial times to the present; emergence of heterogeneous, fragmented cities; causes of urbanization, character of urban life; and the consequences of immigration and industrialization; includes urban physical development and architecture.
- 214. HISTORY OF LOS ANGELES (4).** The history of Los Angeles from its beginnings to the present, including the historical development of cities and towns in greater Los Angeles area. Topics will include ethnic contributions, industrial and commercial development, the labor movement, transportation, natural resources, and architectural development.
- 216. LITERATURE AND IDEAS IN HISTORY (4).*** Examinations in depth of literature and/or seminal ideas with particular emphasis on their intellectual, cultural, and social relation to the historical context. Topics to change from quarter to quarter; for example, Literature and Ideas: Russian Literature of Dissent; Literature and Ideas: The Grail Legend and Gothic Cathedrals.
- 217. THE FUTURE IN HISTORY (4).** An examination of ideas about, and approaches to, the future as perceived by past generations. Topics include: utopian thinkers and communities; scientific, social and economic predictions; religious and philosophical speculation; popular cultural beliefs, hopes and fears.
- 218. FILM AS HISTORY (4).*** The historical analysis of films as manuscripts and source materials for social and intellectual thought in the twentieth century. Emphasis to vary from quarter to quarter; for example, Film as History: The Great Depression; or Film as History: Latin America.
- 219. THE SUPERNATURAL THROUGH THE AGES (4).** Critical examination of supernatural phenomena recorded throughout history. Topics include astrology, witchcraft, visitations from outer space, miracle workers, spiritualism, alchemy, and all forms of ESP. One method of approach will be that of parapsychological research.
- 221. SCIENCE, TECHNOLOGY, AND SOCIETY SINCE 1500 (4).** Growth of science and technology in their historical setting, with stress on their influence on modern thought and society through analysis of topics such as Copernican astronomy vs. the Church; the impact of Darwinism on religion and society; the atomic bomb and the modern scientist's conscience.
- 223. HISTORY OF AMERICAN THOUGHT (4).** A study of the ideas which have shaped American intellectual life, as they have been expressed in economic and political thought, philosophy, theology, literature, and science.

* Repeatable course.

227. **LAW AND SOCIETY (4)**. A course designed to explore the relations between law and society from a historical perspective. Special emphasis is placed on the implications to the social structure of the problems of the development of the morality of law with a concern for the appropriate legal and philosophical concepts.
229. **WAR AND SOCIETY (4)**. An examination of the historical settings of military and anti-military movements, the causes and effects of war on society, the struggles for peace, and military organizations.
231. **THE FAMILY IN HISTORY (4)**. Family relationships, sexual attitudes, patterns of growing up and growing old in various societies, and minority groups, as they have evolved with social and economic changes in various historical contexts.
234. **THE AMERICAN FRONTIER (4)**. Evaluation of successive American wests from colonial times and their reciprocal impact upon American society; the frontier hypothesis in historiography and its extension to comparative frontiers in other lands.
238. **SPECIAL TOPICS IN HISTORY (4, 8)***. Intensive study of a single period, area, figure, movement, or idea in history. The topic may be either departmental or interdisciplinary, provided the focus of concern is historical, and may be offered by one or more instructors (team taught); for example, Special Topics: Revolution.
239. **WOMEN IN HISTORY (4)***. Changing role of women in the family, political economy and culture of various societies. Topics to vary from quarter to quarter; for example, Women in History: Sex Roles in North and South America; Women in History: Women in China; Women in History: Sex roles and Feminism in the United States.

II. ETHNIC AND MINORITY STUDIES

241. **THE AFRO-AMERICAN FROM AFRICA THROUGH RECONSTRUCTION (4)**. Consideration of the impact of general historical development upon the Black American and his significance in American history, with attention to political, economic, legal, social, and cultural aspects; includes study of the institution of slavery and the struggle for freedom.
242. **THE AFRO-AMERICAN FROM RECONSTRUCTION TO THE PRESENT (4)**. Consideration of the impact of general historical development upon the Black American and his significance in United States history, with attention to political, economic, legal, social, and cultural aspects. Includes study of race relations and the circumstances and aspirations of the Black man in an industrial age.
244. **THE ASIANS IN AMERICA (4)**. A survey of the history of the Asians in America from immigration to the present, including patterns of settlement, problems encountered and contributions to American culture, with special emphasis upon new areas of research.
245. **EUROPEAN IMMIGRANTS IN THE UNITED STATES (4)**. The experience of European peoples in the United States, from the mid-nineteenth century to the present. Topics to include the causes of immigration, anti-immigration sentiment, distinctive social and cultural characteristics, adaptations, and contributions to American culture.
247. **HISTORY OF THE MEXICAN AMERICAN PEOPLE I (4)**. Mexican American life to 1900, stressing the evolution of economic and political thought, social institutions, and cultural expressions.
248. **HISTORY OF THE MEXICAN AMERICAN PEOPLE II (4)**. The Mexican Americans' contributions to the building of the Southwest; the clash between Mexicans and North Americans; the emergence of the urban Mexican American.

III. REGIONAL AND NATIONAL HISTORY

- 250. THE ANCIENT WORLD (4).** The survey of the history of the ancient world with emphasis on the earliest civilizations of the Near East, classical Greece, and the rise and fall of the Roman Empire.
- 251. EARLY MIDDLE AGES (4).** Europe from the decline of the ancient Mediterranean civilization of Rome to the mid-eleventh century; political, economic, institutional, and cultural changes and developments.
- 252. THE HIGH MIDDLE AGES (4).** Europe from the mid-eleventh century to the fourteenth century; emphasis on the fortunes of Empire and Papacy, the renaissance of the twelfth century, economic and institutional developments.
- 253. RENAISSANCE AND REFORMATION (4).** The Italian Renaissance through the Thirty Years' War; the rise of national states, the Protestant revolt, the Counter-Reformation, the hegemony of Spain, and the attendant commercial revolution of the Atlantic World.
- 255. EMERGENCE OF MODERN EUROPE (4).** The dissolution of traditional societies in Europe and the emergence of modern ideology, from the Enlightenment through the French and industrial revolutions to the period of internal strife and power politics at the end of the 19th century.
- 256. TWENTIETH CENTURY EUROPE (4).** The formation of present-day Europe amid continued industrialization, war, social and political ferment from the opening of the century to the second world war.
- 257. CONTEMPORARY EUROPE (4).** The history of contemporary Europe, with emphasis on domestic, social, and political developments from World War II to the present.
- 258. TUDOR-STUART ENGLAND (4).** England clears the path to world power. From the Tudors through the mid-eighteenth century. Reformation, Civil War, and Revolution. Agricultural and Commercial Revolution, and the Classical Age of the Constitution. Main focus on eras of Henry VIII, Elizabeth I, and the Civil War.
- 259. MODERN ENGLAND (4).** England achieves world power. From mid-eighteenth century to the present. Industrial Revolution, achievement of democracy and the welfare state, the impact of war, and changing world role.
- 260. RUSSIA UNDER THE TSARS (4).** A survey of the Russian people, culture and historical developments, from the beginnings of Medieval Muscovy to the Bolshevik Revolution of 1917. Topics of emphasis: Ivan the Terrible; age of Peter the Great; development of Russian Religion; rise of Russian Communism; fall of the Monarchy; Russian literature.
- 261. THE SOVIET UNION: YESTERDAY AND TODAY (4).** A survey of the Russian people and Soviet society from the rise of Russian Communism to the present. Topics of emphasis: Russian Revolution; development of Communism; Stalinism; foreign policy; literature and the arts; socialist economic structure.
- 262. MODERN GERMANY (4).** Germany from the late 19th century to the present, with chronological emphasis on the Weimar and Hitler periods and topical emphasis on domestic problems, such as industrialization and modernization, wartime and post-war tensions, political dysfunctions and social strife.
- 265. UNITED STATES: COLONIAL PERIOD (4).** The discovery, founding, and expansion of colonial settlements to 1740. The relation of European institutions and plans to American ideas, experience, and reality.

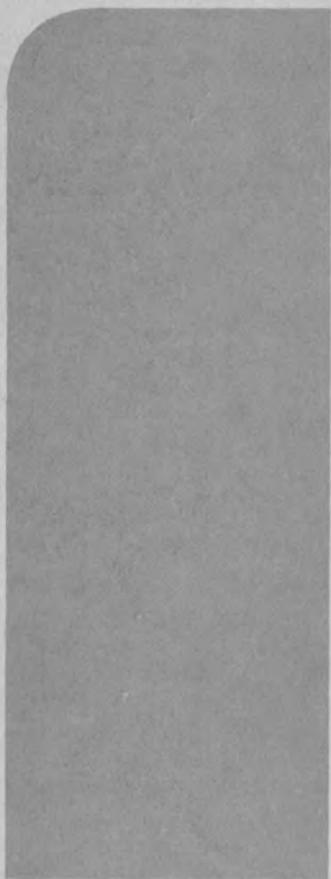
266. **UNITED STATES: REVOLUTIONARY AND CONSTITUTIONAL PERIOD (4).** Evolution of the revolutionary movement in the North American colonies. Anglo-American imperial problems, culminating in the Confederation period and the drafting of the American Constitution, 1740 to 1789.
267. **UNITED STATES: EARLY NATIONAL PERIOD (4).** A study of the national experience from the Constitution through the era of sectional conflict. Includes expansion of the Union westward, the emergency of a national character, and sectional rivalries leading to conflict at mid-century.
268. **UNITED STATES: CIVIL WAR AND RECONSTRUCTION (4).** Social, political, and economic origins of sectionalism and breakup of the Union; military campaigns and the home front in wartime; reconstruction in the South. Focus on the years 1849-1877 and their legacy to later generations.
269. **EMERGENCE OF MODERN AMERICA (4).** The triumph of the industrial revolution in the post-Civil War period and the response of agrarian and progressive protest. The rise of the United States to world power and involvement in international affairs prior to World War I.
270. **UNITED STATES: WAR AND DEPRESSION (4).** Major developments in American life and institutions from the beginning of World War I to the end of World War II. Consideration of the social, economic, and political implications of prosperity, depression, and two world wars.
271. **UNITED STATES: RECENT PERIOD (4).** Major developments in American life and institutions since World War II. Consideration of domestic politics from Truman to Nixon, effects of mass technology, the civil rights struggle, and confrontations with the communist world.
273. **CALIFORNIA (4).** The social, political, and cultural history of California, from the period of Spanish exploration to the present; emphasis on adjustments of differing ethnic groups.
275. **AFRICA: PRE-COLONIAL PERIOD (4).** An analysis designed to develop the students' interpretive understanding of the historical and political developments in African societies; concentration on the tribal foundations of African civilizations.
276. **AFRICA: COLONIALISM TO INDEPENDENCE (4).** A survey of the social, economic, and political development in Africa in the nineteenth and twentieth centuries, with emphasis on the religious revivals in the Central and Western Sudan, the impact of European imperialism on traditional African institutions, colonialism and nationalism, and ending with the regaining of political independence in the sixties.
279. **TRADITIONAL CHINA (4).** The origins and evolution of Chinese civilization and the influence of China on East Asia prior to the nineteenth century Western impact.
280. **MODERN CHINA (4).** China from 1840 to 1949. Western impact on traditional China and the Chinese response. Analysis of attempts to modernize China.
281. **REVOLUTIONARY CHINA (4).** Emphasis on the transformation of society and changes in ideology from the Chinese Revolution through the development of the Chinese Communist Party to the present day.
282. **TRADITIONAL JAPAN (4).** Origins and evolution of Japanese social, cultural, intellectual, and political traditions until the nineteenth century Western impact. Foundation for comparison and contrast of Japan before and after the Meiji Restoration.

283. **MODERN JAPAN (4)**. Japan from the late Tokugawa period to the present. Western impact on traditional Japan and the Japanese response; the development of a modern state, economy, and society.
285. **LATIN AMERICA: COLONIAL PERIOD (4)**. Colonial Latin America from pre-Columbian civilizations to the wars of independence, with an emphasis on the mechanisms of empire established by the Spanish and Portuguese and the acculturation process between the conquering Europeans and the colonized Indian and African peoples.
286. **LATIN AMERICA: NATIONAL PERIOD (4)**. Latin America from the wars of independence to the present, with topical emphasis on the historical roots of underdevelopment, the nature of class conflict, and the attempts by revolutionary and conservative movements to resolve the problems of political instability and economic dependency.
288. **MEXICO: COLONIAL PERIOD (4)**. The history of the pre-Columbian civilizations, including the Mayas and Aztecs, the Spanish conquest, and the development of colonial society and institutions that led to the movement for independence.
289. **MEXICO: NATIONAL PERIOD (4)**. The development of Mexico since independence with emphasis on the evolution of its political, economic, and social institutions.

IV. FIELD STUDIES, SEMINARS AND INDEPENDENT STUDY

291. **FIELD STUDIES IN THE USES OF HISTORY (2)**. *Field studies in the application of historical skills. A specific quarter may be devoted to oral history, documentary film, archives and special collections, teaching history, local history.
295. **SENIOR SEMINAR IN HISTORY (4)**. Collective examination of a topic in depth. Problems to be selected in accord with student interest. *Prerequisite: consent of instructor.*
298. **INDEPENDENT STUDY (2, 4)**. * Independent study of a particular problem under the direction of a member of the History Department. *Prerequisite: Consent of instructor.*

* Repeatable course.



HUMAN SERVICES

(School of Social and Behavioral Sciences)

Coordinator: Antonia M. Bercovici, Ph.D., Associate Professor

A Single-Field Major

The Human Services Program at Dominguez Hills is a professional undergraduate major in a single field, normally extending over six full quarters of academic work (three quarters during each of two academic years). Progress, however, may be accelerated through summer sessions, acceptable extension course work, or credit by examination. A minor is not required.

The instructional approach of the Human Services Program is one of progressive involvement. Students in human/mental health services will be involved from the outset of the program in actual work in the field of human services. Concurrently with the course work, each student will carry a four-unit practicum, culminating in a sustained full quarter's internship.

A graduate of the Human Services Program at Dominguez Hills will not be trained simply as a generally oriented mental health technician, but will be clinically trained in a specific area of competence such as one of the following three options: the neonate and young child, the adolescent and young adult, and gerontology.

Because of the nature of the curriculum it is strongly recommended that most general education units and lower division requirements outside of the program be completed prior to entering program courses. Students contemplating declaring, or already accepted into, the Human Services major should come to the department for counseling and advising concerning the sequence in which courses should be taken and the arrangement of their schedules.

REQUIREMENTS FOR THE MAJOR IN HUMAN SERVICES (74 UNITS)

A. Core courses: (28 units), required of all students:

- + Biological Science 256. Human Anatomy and Physiology (4), *or*
- + Biological Science 270. Biological Bases for Human Behavior (4)
- + Psychology 264. Introduction to Clinical Psychology (4)
- + Psychology 267. Introduction to Clinical Methods (4)
- + Psychology 270. Community Psychology: Issues and Practices (4)
- Sociology 218. The Family (4), *or*
- History 231. The Family in History (4)
- Sociology 250. Seminar in Small Groups (4), *or*
- Psychology 242. Interpersonal and Group Dynamics (4)

B. *One* of the following minority courses:

- History 242. The Afro-American from Reconstruction to the Present (4)
- History 244. The Asians in America (4)
- History 248. History of the Mexican-American People II (4)
- Psychology 280. Psychology of the Mexican-American (4)
- Psychology 283. Psychology of the Black Experience (4)
- Sociology 235. Social Movements: Black Awareness *or* Chicano Experience *or* Asian-American Experience (4)
- Sociology 260. Minority Racial and Ethnic Relations (4)

(Continued on the following page)

C. Each student will choose *one* of the following three options:

1. Option I: The Neonate and Young Child (20 units)

- + Biological Science 246. Human Heredity (4)
- Psychology 250. Developmental Psychology (4)
- + Psychology 292. Seminar on Special Topics in Psychology: Prenatal and Neonatal Development (4)
- Psychology 282. Psychological Development of the Black Child (4), *or*
- Psychology 280. Psychology of the Mexican-American I (4)
- Sociology 239. Social Environment of Education (4)

Practicum and Community Experience (26 units)

- * Psychology 296. Practicum in Psychology (4) (To be repeated four quarters during the student's residence, for a total of 16 units)
- + * Psychology 254. Clinical Practicum in Life-Span Development: Counseling the Family (4)
- ¹ Internship. 6-unit (20 hours per week) internship in student's specialization during the final quarter of residence

2. Option II: The Adolescent and Young Adult (20 units)

- Psychology 251. Psychology of Adolescent Experience (4)
- Psychology 268. Human Sexuality (4)
- Psychology 283. Psychology of the Black Experience (4), *or*
- Psychology 280. Psychology of the Mexican-American I (4)
- Sociology 213. Sociology of Education (4)
- + Sociology 269. Juvenile Delinquency (4)

Practicum and Community Experience (26 units)

- * Psychology 296. Practicum in Psychology (4) (To be repeated four quarters during the student's residence for a total of 16 units)
- + * Psychology 254. Clinical Practicum in Life-Span Development: Counseling the Family (4)
- ¹ Internship. 6-unit internship in student's specialization during the final quarter of residence

3. Option III: Gerontology (20 units)

- + Biological Science 286. Human Aging (4)
- Psychology 252. The Psychology of Adult Development and Aging (4)
- ² Recreation 234. Recreation and Gerontology (4)
- Sociology 225. Sociology of Work (4), *or*
- Anthropology 246. Anthropology of Work (4)
- + Sociology 229. Sociology of Adult Life and Aging (4), *or*
- Anthropology 244. Aging in Cross-Cultural Perspective (4)

*** Practicum and Community Experience (26 units)**

- Psychology 296. Practicum in Psychology (4) (To be repeated four quarters during the student's residence for a total of 16 units)
- + * Psychology 254. Clinical Practicum in Life-Span Development: Counseling the Older Adult (4)
- ¹ Internship. 6-unit internship in student's specialization during the final quarter of residence

+ Consult course description for prerequisite.

* 8 hours of fieldwork required weekly in addition to in-class time.

¹ 20 hours of fieldwork required weekly in addition to in-class time.

² Prerequisites waived for Human Services Majors.

HUMANITIES *

EXTERNAL DEGREE PROGRAM

(School of Humanities and Fine Arts)

Coordinator: Lyle E. Smith, Ph.D. (English)

Faculty from the Department of History and the cooperating disciplines in the School of Humanities and Fine Arts.

Since their beginning in fall 1974, the Humanities External Degree Programs have provided a number of students a quality education at either the baccalaureate or master's level (see graduate section for details on Humanities Master of Arts program) using non-traditional teaching techniques. Because the programs receive no state funding, they must charge students \$40.00 per unit in order to cover instructional and administrative expenses. The fees are the same for residents of California or for students who live elsewhere. Students enrolled in an on-campus (i.e. state supported) program are normally not allowed to take courses in any external degree program except during the summer.

The curricula of both programs have sufficient structure and direction to insure a basic understanding of the Humanities and to give students a range of possibilities for the direction of their studies in order to encourage intellectual freedom and the creative searching spirit. Five humanistic disciplines are involved in the curricula: art, history, literature, music, and philosophy. Students may choose a course of study that has an interdisciplinary focus or one that specializes in a single discipline with work in related disciplines. Whatever their particular interest, students should gain a broad exposure to all of the areas of the Humanities and should establish an integrative perspective among them, with emphasis on their interrelating effects and influences.

The emphasis in both the bachelor's and master's programs is on self-study, off-campus, teacher-guided learning, carried out according to non-traditional processes. Students can progress through either program without ever stepping foot on the CSUDH campus, for neither program has regular classroom instruction. Instead, the programs utilize a variety of non-traditional teaching strategies, including complete course guides for every student, guided instruction via telephone and correspondence by mail, continued supervision by regular full-time CSUDH faculty, monthly newsletters, handbooks containing general information about the programs and suggestions for improving writing skills, lectures on audio cassette tapes, and occasional television program materials. To people who are unable or unwilling to spend major blocks of time on a college campus enrolled in traditional classroom courses, the bachelor's program extends the opportunity to continue their education and receive a fully accredited degree.

* For specific External Degree information concerning admission, fees, graduation, and other policies and procedures, contact the Coordinator listed on this page.

Humanities Bachelor of Arts**Admission Requirements:**

1. Completion of an application to the program. An application and brochure describing the program in greater detail are available in the Humanities External Degree office (HFA A344; Telephone: 213/515-3743).
2. Completion of at least 56 semester units or 84 quarter units of coursework with an overall GPA of 2.00 or better. The program will normally accept a maximum of 96 quarter units.
3. Completion (or near completion) of general education requirements.
4. Satisfaction of statutory requirements in American history and government by completing History 101 or examination and Political Science 101 or examination.
5. No concurrent enrollment in any on-campus (i.e. state supported) program.

REQUIREMENTS FOR THE MAJOR

The major requires 90 upper division units, divided equally into three phases. Students progress from an initial highly structured series of courses to a faculty-guided independent plan of study. The major includes some courses which emphasize a single subject area and other courses which interrelate two or more subject areas to a specified topic or theme. In the third phase of the major, students may choose to concentrate in either a traditional single subject or an interdisciplinary theme. Courses in Phases I and II can be taken concurrently, but these phases must usually be completed before beginning Phase III.

Phase I Core Program (30 units):

- A. Humanities 200. Interdisciplinary Core Course: Don Quixote (6)
- Humanities 201. Defining the Humanities: History (4)
- Humanities 202. Defining the Humanities: Philosophy (4)
- Humanities 203. Defining the Humanities: Literature (4)
- Humanities 204. Defining the Humanities: Art (4)
- Humanities 205. Defining the Humanities: Music (4)
- B. *Four additional units selected from:*
 - Humanities 229. Independent Study (2)
 - Humanities 230. Tutorial: Enhancing Academic Skills (2)
 - Humanities 320. Humanities Encounter: Art (2)
 - Humanities 321. Humanities Encounter: Theater (2)
 - Humanities 322. Humanities Encounter: Concert Music (2)
 - Humanities 323. Humanities Encounter: Visiting Historical Sites (2)
 - Humanities 324. Humanities Encounter: Film (2)

Phase II (30 units): Students must choose at least one course in each of the three categories listed below (A, B, and C). A minimum of six courses must be chosen from this phase. The remaining six units may be chosen from Phase IB and/or from an additional course in Phase II.

- A. Images of Humanity—at least *one* of the following:
 - Humanities 340. Evolution of Human Culture (4)
 - Humanities 341. The Rational Perspective (4)
 - Humanities 342. The Para-rational Perspective (4)
 - Humanities 343. The Autonomous Individual (4)
 - Humanities 344. The Individual and Society (4)
 - Humanities 345. Non-Western World (4)
 - Humanities 346. Alienation, Estrangement, and Sub-Cultures (4)
 - Humanities 347. World Religious Perspectives (4)
 - Humanities 348. Values and Morality in Twentieth Century Thought (4)

- B. Key Individuals—at least *one* of the following:
- Humanities 350. Key Individuals, Art: Frank Lloyd Wright (4)
 - Humanities 351. Key Individuals, Music: Beethoven (4)
 - Humanities 352. Key Individuals, Philosophy: Rousseau (4)
 - Humanities 353. Key Individuals, Literature: Hemingway and Faulkner (4)
 - Humanities 354. Key Individuals, History: Carnegie, Rockefeller, Ford (4)
 - Humanities 356. Nobel Laureates: Studies in Modern World Literature (4)
- C. Key Periods and Movements—at least *one* of the following:
- Humanities 370. Key Periods and Movements, Art: Contemporary Art (4)
 - Humanities 371. Key Periods and Movements, Music: Baroque Music (4)
 - Humanities 372. Key Periods and Movements, Philosophy: Biblical Movement (4)
 - Humanities 373. Key Periods and Movements, Literature: Archetypal Criticism (4)
 - Humanities 374. Key Periods and Movements, History: The Age of Revolution (4)

Phase III—Faculty Guided Independent Studies. (30 units)

- A. Humanities 290. Phase III Program Design (4)
- B. Twenty-six units selected from *one* of the following repeatable courses:
- Humanities 292. Interdisciplinary Guided Studies (2–8)
 - Humanities 294. Single Discipline Studies (2–8)

COURSE OFFERINGS IN HBA EXTERNAL DEGREE PROGRAM

Upper Division

- 200. INTERDISCIPLINARY CORE COURSE: DON QUIXOTE (6).** Introduction to basic concepts of Phase I of the program by an examination of the Don Quixote theme as manifested in literature, art, music, history, and philosophy.
- 201. DEFINING THE HUMANITIES: HISTORY (4).** Key concepts of the discipline, through an examination of the value of studying history, patterns in history, and techniques and methodologies of historians.
- 202. DEFINING THE HUMANITIES: PHILOSOPHY (4).** Application of the classic and romantic spirit to philosophy; examination of the nature of philosophy and the methods of some philosophers, including Plato, Nietzsche, Wittgenstein, and Pirsig.
- 203. DEFINING THE HUMANITIES: LITERATURE (4).** Key concepts of the discipline through an examination of major critical perspectives with an emphasis on formalism. Includes such writers as Bellow, Ellison, and Conrad.
- 204. DEFINING THE HUMANITIES: ART (4).** Introduction to the visual arts by an in-depth study of the architecture of classical Western antiquity, medieval and modern Europe and America, and by the paintings of the Italian Renaissance and Flemish Baroque.
- 205. DEFINING THE HUMANITIES: MUSIC (4).** Key concepts of the discipline by examination of the music and life of a representative classical composer (Haydn) and a representative romantic composer (Liszt).
- 229. INDEPENDENT STUDY (2).*** Short independent research or creative projects in specific topics related to courses in Phase I of the program. *Prerequisite: consent of instructor and program coordinator.*
- 230. TUTORIAL: ENHANCING ACADEMIC SKILLS (2).** Upgrading of academic skills by use of the university's Academic Skills Center. Attendance on campus is necessary for this course. *Prerequisite: consent of program coordinator.*

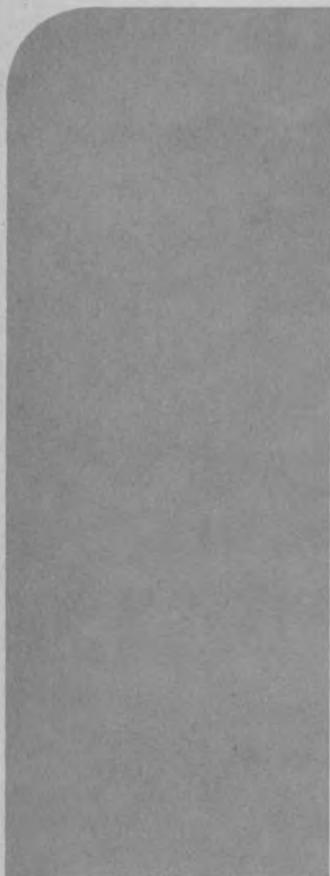
* Repeatable course.

290. **PHASE III PROGRAM DESIGN (4)**. Faculty-guided program design for the remaining 26 units of Phase III. Must be taken prior to other Phase III coursework, preferably during the last quarter of Phase II coursework. Available on a CR/NC (credit/no credit) basis only. *Prerequisite: consent of instructor and program coordinator.*
292. **INTERDISCIPLINARY GUIDED STUDIES (2, 4, 6, 8)***. Individually designed faculty-guided courses on an interdisciplinary theme. *Prerequisite: Humanities 290 and consent of instructor.*
294. **SINGLE DISCIPLINE GUIDED STUDIES (2, 4, 6, 8)***. Individually designed faculty-guided courses on a specified general topic in *one* of the disciplines of the humanities: history, philosophy, music, art, literature. *Prerequisite: Humanities 290 and consent of instructor.*
320. **HUMANITIES ENCOUNTER: ART (2)**. Visitation to three local museums (Getty, Los Angeles County Art, and Huntington) to examine their architecture and collections. Open to non-local students by special arrangement.
321. **HUMANITIES ENCOUNTER: THEATER (2)**. Attendance at and analysis of several concerts representing the general categories of symphonic, vocal, and chamber music. Open to non-local students by special arrangement.
323. **HUMANITIES ENCOUNTER: HISTORY (2)**. Introduction to the nature of historical sites and exploration of the historical record of the student's community, focusing on both official and unofficial historical sites.
324. **HUMANITIES ENCOUNTER: FILM (2)**. Watching and analyzing several movies with special focus on the techniques and content of the medium.
330. **RESEARCH METHODS (2)**. Introduction to the techniques of research in the disciplines of the humanities. Development of skills in choosing a topic, gathering information, organizing materials, and presenting a finished product in standard, acceptable form.
340. **EVOLUTION OF HUMAN CULTURE (4)**. An examination of the nature of evolution, progress, change and cultural unfolding, using the development of the city as a key concept, and looking into three representative types of cities: ancient, medieval, and modern.
341. **THE RATIONAL PERSPECTIVE (4)**. The meaning of rationality from the perspectives of philosophy, history, literature, music, and art. Special emphasis on the possible differences between scientific and humanistic rationality.
342. **THE PARA-RATIONAL PERSPECTIVE (4)**. Interdisciplinary exploration of non-rational alternatives in modern culture, focusing on the non-logical, the visionary, and the religious/mystical.
343. **THE AUTONOMOUS INDIVIDUAL (4)**. Interdisciplinary study of the nature of the creative act, including the following: the artists' vision of self; the defenses of personalism; notions of aesthetics; and abstract or symbolic thought.
344. **THE INDIVIDUAL AND SOCIETY (4)**. Exploration of the position of the individual in the classic and modern models of social and political organization; conservatism, liberalism, socialism, anarchism; study of the Utopian tradition; and study of aesthetic theories that connect the artist with society.
345. **THE NON-WESTERN WORLD (4)**. Interdisciplinary examination of the non-western world by focusing on cultural characteristics of Africa and medieval Japan.
346. **ALIENATION, ESTRANGEMENT AND SUBCULTURES (4)**. Survey of the elements and historical implications of alienation and estrangement; and examination of subcultures as they exist in America's multi-cultural, pluralistic society. Readings from philosophy as well as from Chicano and Afro-American studies.

* Repeatable course.

- 347. WORLD RELIGIOUS PERSPECTIVES (4).** Survey of ancient and modern religious systems, including an exploration of the general characteristics of religious beliefs.
- 348. VALUES AND MORALITY IN TWENTIETH CENTURY THOUGHT (4).** Examination of values and morality in modern culture against a backdrop of seemingly amoral scientific and technological progress.
- 350. KEY INDIVIDUALS, ART: FRANK LLOYD WRIGHT (4).** Intensive study of the major buildings and architectural influence of Frank Lloyd Wright.
- 351. KEY INDIVIDUALS, MUSIC: BEETHOVEN (4).** An examination of the life and music of Ludwig Van Beethoven; the ability to read music not required.
- 352. KEY INDIVIDUALS, PHILOSOPHY: ROUSSEAU (4).** An examination of the life, thought, and influence of Jean-Jacques Rousseau, focusing on several recurrent themes: self-other, rational-nor-rational, classic-romantic, dependence-independence, democracy-totalitarianism.
- 353. KEY INDIVIDUALS, LITERATURE: HEMINGWAY AND FAULKNER (4).** Examination of the major works and influence of two modern American authors, Ernest Hemingway and William Faulkner.
- 354. KEY INDIVIDUALS, HISTORY: CARNEGIE, ROCKEFELLER, AND FORD (4).** Study of the lives and influence of three business leaders in the formative period of American industrial capitalism (1870-1920).
- 356. NOBEL LAUREATES: STUDIES IN MODERN WORLD LITERATURE (4).** Examination of representative major works by recent Nobel Laureates (1929-1976) whose art epitomizes diverse cultural, literary, and social viewpoints. Authors include Mann, Pirandello, Camus, Kawabata, Solzhenitsyn, Neruda, and Bellow.
- 370. KEY PERIODS AND MOVEMENTS, ART: CONTEMPORARY ART (4).** Exploration of the very complex cultural development known as modern art by investigation of six major artistic movements: Cubism, Expressionism, Dada/Surrealism, Pop Art, Conceptual Art, and Technological Art. Students choose two of the six for in-depth study.
- 371. KEY PERIODS AND MOVEMENTS, MUSIC: BAROQUE (4).** Examination of Baroque music and the period in Western Europe (1600-1750) during which it evolved. The ability to read music not required.
- 372. KEY PERIODS AND MOVEMENTS, PHILOSOPHY: THE BIBLICAL MOVEMENT (4).** Examination of modern scholarship on the Bible and its impact on Christianity; analysis of three philosophies of interpreting the Bible: fundamentalism, liberal belief, and humanism.
- 373. KEY PERIOD AND MOVEMENTS, LITERATURE: ARCHETYPAL CRITICISM (4).** Exploration of a twentieth century movement in literature, archetypal criticism, which focuses on recurrent patterns in literature and their analogues in folktale, dream, ritual, and myth.
- 374. KEY PERIODS AND MOVEMENTS, HISTORY: THE AGE OF REVOLUTION (4).** A study of the dynamics of economic change and political revolution with a comparison between the period 1776-1815 in Europe and North America and the period since World War II in Latin America.
- 380. HUMANITIES ON TELEVISION (4).*** Selected topics in the humanities taught in conjunction with educational series (e.g. Galbraith's "Age of Uncertainty") when they are aired on television.

* Repeatable course.



INDUSTRIAL MANAGEMENT

(School of Management)

Coordinator: Harold A. Rothbart, Dr. Eng., Professor

Professors: David J. Karber, Ed.D.; Howard L. Unterbrink, Ed.D.

Industrial Management is an interdisciplinary major leading to a Bachelor of Science degree. The Industrial Management program is designed to meet the professional needs of persons who plan careers in the management of production and production-related operations. Industrial managers are found not only in the production of products but also in the production of services.

The program is directed at community college graduates having an appropriate technical/vocational education, who either hold supervisory positions or who aspire to such positions. The Major is also designed to accommodate mature persons who lack sufficient technical/vocational education, but who possess equivalent competencies acquired through work experience.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL MANAGEMENT

Students pursuing the Bachelor of Science in Industrial Management must complete 116 quarter units in the Major. Of these 116 required units, 20 units count toward General Education requirements.

All students entering the Industrial Management program are required to have a demonstrated proficiency in an approved technical/vocational field. Such proficiency may be demonstrated by the transfer of 20 or more quarter units of approved technical/vocational courses from an accredited community college. Mature persons who have not attended a community college will be admitted on the basis of authenticated work experience competencies in equivalent curricula. Persons who wish to receive academic credit for competencies acquired through work experience must consult with the coordinator of the Industrial Management program.

I. Computer, Mathematics and Science Core (28 quarter units)

- Chemistry 102. Chemistry for the Citizen (4)
- Business Administration 170. Introduction to Computers and Data Processing (4) (Same as Computer Science 120)
- + Business Administration 171. Computer Systems for Business (4)
- + Mathematics 102. Mathematical Analysis for Management and Social Sciences I (4)
- + Mathematics 104. Mathematical Analysis for Management and Social Sciences II (4)
- + Physics 120. Elements of Physics (4)
- + Physics 122. Elements of Physics (4)

II. Liberal Arts Core (8 quarter units)

Select *two* of the following courses:

- Anthropology 246. Anthropology of Work (4)
- History 205. Labor in American Society (4)
- History 221. Science, Technology, and Society Since 1500 (4)
- Psychology 272. Industrial and Organizational Psychology (4)
- Sociology 225. Sociology of Work (4)

III. Management Core (52 quarter units)

- Business Administration 102. Legal Aspects of Business Transactions (4)
- Business Administration 130. Essentials of Accounting I (4)
- + Business Administration 205. Social Responsibility of Business (4)
- Business Administration 210. Management and Organizational Theory (4)
- + Business Administration 222. Introduction to Business Statistics (4)
- + Business Administration 223. Introduction to Operations Research (4)
- + Business Administration 230. Accounting for Planning and Control (4)
- Business Administration 250. Elements of Marketing (4)
- + Business Administration 260. Business Finance (4)
- + Business Administration 290. Management Policy (4)
- Economics 110. Economic Theory IA (4)
- Economics 111. Economic Theory IB (4)
- English 252. Writing and Speaking Skills for Management (4)

IV. Industrial Management Core (20 quarter units)

- + Industrial Management 210. Production Operations I (4)
- + Industrial Management 211. Production Operations II (4)
- + Industrial Management 212. Methods and Time Study (4) *or*
- + Industrial Management 213. Statistical Quality Control (4)
- + Physics 203. Industrial Processes (3)
- + Physics 204. Industrial Process Control (3)
- + Physics 231. Electronics Laboratory I (2)

V. Internship (8 quarter units)

- + Industrial Management 215. Industrial Management Internship (4 and 4)

COURSE OFFERINGS IN INDUSTRIAL MANAGEMENT**Upper Division**

- 210. PRODUCTION OPERATIONS I (4).** Analysis of service and manufacturing operations with emphasis on systems concepts. *Prerequisite: Business Administration 211.*
- 211. PRODUCTION OPERATIONS II (4).** Continuation of Industrial Management 210. *Prerequisite: Business Administration 211 and Industrial Management 210. S(e)*
- 212. MOTION AND TIME STUDY (4).** Study of work methods to optimize the use of resources and human factors. *Prerequisite: Business Administration 211.*
- 213. STATISTICAL QUALITY CONTROL (4).** Techniques used in the measurement of product quality: quality assurance, testing, shop and field inspection techniques, material review, source inspection, vendor surveillance, and quality audit. *Prerequisites: Business Administration 211 and 222.*
- 215. INDUSTRIAL MANAGEMENT INTERNSHIP (4).*** Students participate in off-campus studies of production and design in manufacturing and service industries from inventive through entrepreneurial stages of development. *Prerequisite: Consent of instructor.*
- 295. DIRECTED STUDY (4).** Independent research or other study under direction of a member of the Industrial Management faculty. *Prerequisite: consent of instructor. May be repeated once.*

+ Consult course description for prerequisite.

JAPANESE ¹

(School of Humanities and Fine Arts)

Chairperson of Foreign Languages: Porfirio Sánchez, Ph.D., Professor

COURSE OFFERINGS IN JAPANESE

Lower Division

- 110. FIRST-QUARTER JAPANESE (4)** An intensive audio-lingual approach to modern spoken Japanese for students who have no previous work in Japanese (with Japanese progressively replacing English as the medium of classroom communication). F(d), W(e), S(d)
- 111. SECOND-QUARTER JAPANESE (4).** A continuation of Japanese 110. Introduction of *Hiragana and Kanji* (characters) gradually during quarter; elementary reading exercises accompany the spoken language materials. *Prerequisite: Japanese 110 or equivalent.* F(d), W(d)
- 112. THIRD-QUARTER JAPANESE (4).** A continuation of Japanese 111. *Prerequisite: Japanese 111 or equivalent.* S(d)
- 120. SECOND-YEAR JAPANESE (4).*** Individualized instruction in Japanese language, life, and letters for second-year and advanced first-year students in Japanese. *Prerequisite: At least one year of college Japanese or consent of instructor. This course taken successfully three times completes second-year Japanese.* W(d)
- 130. JAPANESE CONVERSATION. (4)*.** Speaking proficiency in standard modern Japanese. Practice through dialogue and individual presentations to develop fluency for personal, commercial, and cultural activities. *Prerequisite: One year of Japanese or consent of instructor or Chairperson of Foreign Languages. May be repeated to a maximum of 8 units.* F(d), S(d)

NOTE: Students who have completed two, three, or four years of high school Japanese and who pass a proficiency test will be placed in the appropriate quarter of college Japanese. Consult a departmental advisor for details.

¹ Students interested in studying foreign languages abroad should consult page 22.

* Repeatable course.



LABOR STUDIES

(School of Social and Behavioral Sciences)

Members of the Labor Studies Committee:

Coordinator: John Quicker, Ph.D., Professor (Sociology)

Professor: Marilyn Garber, Ph.D. (History); Polly Pope, Ph.D. (Anthropology)

Associate Professor: Edward Bryan, Ph.D. (Sociology); Frank Stricker, Ph.D. (History)

Assistant Professor: Alan Bomser, M.A. (Sociology)

The Undergraduate program in Labor Studies is designed to provide a balanced interdisciplinary curriculum for the study of the origins, development, and current status of organized labor with emphasis on the American Labor Movement. Emphasis is placed on understanding the labor movement as it relates to the historical, economical and social issues of the twentieth century. The program has been developed in cooperation with a Labor Advisory Committee and coordinated with labor studies programs at local community colleges. The program will benefit labor officials and union members as well as students preparing for careers in fields related to organized labor, industrial relations, communication, administration, or teaching, and will develop capacities that service labor's contribution to the community and nation.

The major degree program consists of four components: (1) a lower division introductory course, (2) upper division core courses, (3) a choice of Concentrations, and (4) a senior seminar. Concentration I places an emphasis on professional trade union leadership skills to prepare students for careers in labor unions, employee associations, labor related governmental agencies and the private sector. Concentration II offers a strong academic background to the liberal arts student preparing for postgraduate work in labor studies or labor history and professional careers in labor law or labor journalism.

REQUIREMENTS FOR THE MAJOR IN LABOR STUDIES

Lower Division

Labor Studies 100. Labor in the American Social System (4)

Upper Division

A. *Required core courses* (20 units)

Select *five* of the following six courses:

Anthropology 246. Anthropology of Work (4)

Economics 230. Labor and the American Economy (4)

Economics 232. Theory and Practice of Collective Bargaining (4)

History 205. Labor in American Society (4)

Political Science 292. Studies in Labor Law (4)

Sociology 237. Union Structures: Membership and Leadership (4)

(Continued on the following page)

B. *Concentration* (20 units)

In addition to the above, each student must select one of the concentrations listed below. It is strongly recommended that all students include Labor Studies 296: Practicum in Labor Studies (4) in their concentrations.

I. Concentration I

Labor Studies 210. Trade Union Leadership Skills (4)

Labor Studies 211. Contracts and Negotiations (4)

Public Administration 215. Labor Management Relations in Government (4), *or*
Economics 275. Industrial Organization and the American Economy

Two courses selected from the following:

Business Administration 130. Essentials of Accounting (4)

Communications 214. Organizational and Industrial Communication (4)

English 253. Writing and Speaking Skills for SBS Majors (4), *or*

English 204. Fundamentals of Public Speaking (4)

Labor Studies 296. Practicum in Labor Studies (4)

II. Concentration II

20 units in courses related to labor studies organized around an academic theme such as "labor and political economy," "labor and social movements," or "labor and stratification." The structure and content of the student's academic theme will be determined in consultation with the student's advisor. No more than eight units can be chosen from any one department. No more than four units of independent study may be applied.

Other examples of courses appropriate to this concentration include:

Economics 285. Economic Policy and Social Values (4)

History 207. Studies in Labor History

Political Science 292. Labor in Political Movements (4)

Psychology 272. Industrial & Organizational Psychology (4)

Sociology 225. Sociology of Work (4)

Sociology 235. Social Movements: The Labor Movement (4)

C. Senior Seminar

Labor Studies 290. Seminar in Labor Studies (4)

REQUIREMENTS FOR THE MINOR IN LABOR STUDIES**Upper Division**

A. Economics 230. Labor and the American Economy (4), *or*

Political Science 292. Special Topics: Studies in Labor Law (4)

B. Sociology 225. Sociology of Work (4), *or*

Sociology 237. Union Structures: Membership & Leadership (4)

C. History 205. Labor in American Society (4), *or*

History 207. Studies in Labor History (4)

D. Economics 232. Theory and Practice of Collective Bargaining (4), *or*

Public Administration 215. Labor-Management Relations in Government (4)

E. An additional course from those listed above, *or one* of the following:

Anthropology 246. Anthropology of Work (4)

Communications 214. Organizational and Industrial Communication (4)

Communications 265. Introduction to Public Relations (4)

Geography 222. Environmental Problems (4)

Political Science 292. Special Topics: Labor in Political Movements (4)

Psychology 272. Industrial and Organizational Psychology (4)

An internship in Labor Studies providing credit for work experience may be arranged (4)

F. Labor Studies 290. Seminar in Labor Studies (4)

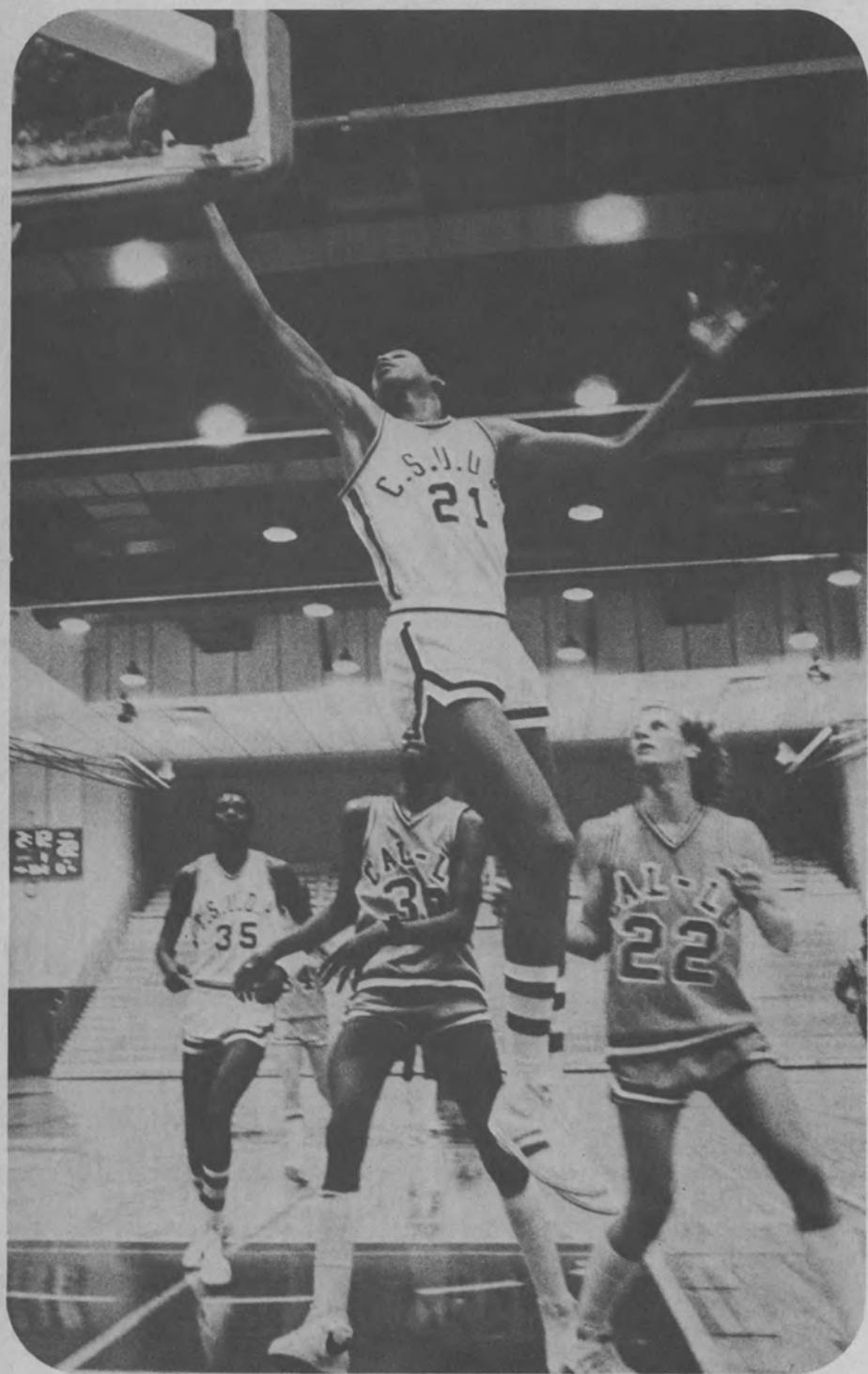
COURSE OFFERINGS IN LABOR STUDIES

Lower Division

- 100. LABOR IN THE AMERICAN SOCIAL SYSTEM (4).** An analytic overview of the labor movement within the context of contemporary social, economic and political systems. Application of the basic concepts of the social and behavioral sciences to the situation of labor, with special attention given to labor economics.

Upper Division

- 210. TRADE UNION LEADERSHIP SKILLS (4).** The philosophy and practice of union organizing. Analysis of decision making processes affecting union activities. Application of practical organizational skills, including exercises in parliamentary and election procedures. *Prerequisite: Labor Studies 100 or consent of instructor.*
- 211. CONTRACTS AND NEGOTIATIONS (4).** The process of negotiating, writing and enforcing a labor contract. An overview of the historical events that have affected contemporary negotiation practices. A survey and analysis of labor contracts in various sectors of industry, including a workshop in contract writing and negotiation. *Prerequisite: Labor Studies 100 or consent of instructor.*
- 290. SEMINAR IN LABOR STUDIES (4).** An integrative course to study selected topics, to develop an overview of the field and to relate theory and practical application. Students will develop seminar papers as they complete an internship in a labor organization or research an area of labor studies. *Prerequisite: Senior standing and consent of instructor.*
- 292. SPECIAL TOPICS IN LABOR STUDIES (4).** An intensive study of an issue or a concept in Labor Studies that is of special interest to faculty and students. Topics vary (e.g., Special Topics: Labor in the 60's; Public Employees).
- 296. PRACTICUM IN LABOR STUDIES (4).** Directed field research or supervised internship. Training and research in the practices and policies of a labor organization or labor-related governmental agency. *Prerequisite: Labor Studies 100 or consent of instructor.*



LIBERAL STUDIES

(University College)

Members of the Liberal Studies Program Committee:

Coordinator: Deanna Hanson, Ed.D., Associate Professor (Education)

Professors: William Armacost, Ph.D. (Mathematics); Judson Grenier, Ph.D. (History); Chi-Hua Wu Hsiung, Ph.D. (Health Science); David Nasatir, Ph.D. (Behavioral Science); Robert Pestolesi, Ph.D. (Physical Education and Recreation)

Associate Professors: Stephen Book, Ph.D. (Mathematics); Jeanne Curran, Ph.D. (Sociology); Caroline Duncan-Rose, Ph.D. (English); G. Joyce Johnson, Ph.D. (English); Frances Lauerhass, Ph.D. (Foreign Languages); James Lyle, Ph.D. (Chemistry); C. Michael Mahon, Ph.D. (English)

Assistant Professors: Deborah Harrison, Ph.D. candidate (Psychology); Laura J. Robles, Ph.D. (Biology)

Liberal Studies is designed to provide a student with a broad foundation in the liberal arts and sciences and a Bachelor of Arts Degree in studies broader than those traditionally presented within one discipline. This major consists of courses selected upon advisement from the Schools of Humanities and Fine Arts, Natural Sciences and Mathematics, and Social and Behavioral Sciences. A minor is not required. Courses used to satisfy this 128-quarter-unit major, or which are prerequisites to them, must be taken for a letter grade. A minimum of 186 quarter units is required for the degree.

In addition to offering a valuable experience in higher education, the Liberal Studies Program can help the student prepare for a diversified degree appropriate for completing undergraduate requirements for a multiple subjects teaching credential as outlined in the Teacher Preparation and Licensing Law of 1970, Section 13157.4 of the Education Code.

In addition to the basic Liberal Studies program, students may also choose from one of the three following tracks within the Liberal Studies Program:

1. *Bilingual/Cross-Cultural Track.* It is possible for students in the Liberal Studies Program to select courses which will help prepare them to challenge some of the competencies of the Bilingual/Cross-Cultural Specialist Credential.
2. *Early Childhood Education Track.* It is possible for students in the Liberal Studies Program to select courses which will help prepare them to later enter the Master of Arts degree program with an option in Early Childhood Education.
3. *Liberal Studies Non-Teaching Track.* Students who seek a Liberal Arts foundation for professional training in law, librarianship, and other career fields of public service are urged to consider this track.

Please see a Liberal Studies advisor for further information regarding these three tracks.

Students who wish to apply for admission to the Teacher Education program to complete a multiple subjects teaching credential or to go on to a specialist credential should consult the "Education" section of this catalog for undergraduate prerequisites for admission to the School of Education.

REQUIREMENTS FOR THE LIBERAL STUDIES PROGRAM

I. English (grammar, literature, composition, and speech)

32 quarter units are required in the following:

- English 100-101. Oral and Written Expression (8)
- 2 courses in literature—one of which must be upper division (8)
- English 210. The Study of Language (4), *or*
- English 214. English Syntax (4)
- English 250. Advanced Composition (4)
- + Spanish 235. A Sociolinguistic Approach to Mexican American Dialect and Reading (4), *or*
- English 217. Sociolinguistics: Black English and Reading (4)
- + English 219. Psycholinguistics (4), *or*
- Anthropology 212. Language and Culture (4)

II. Natural Sciences and Mathematics

32 quarter units are required in the following:

- Biological Science 102. General Biology (4)
- Chemistry 102. Chemistry for the Citizen (4), *or*
- Physics 101. Insights in Contemporary Physics (4)
- + Mathematics 150. Elementary Statistics and Probability (4)
- One lower division course selected upon advisement
- + Biological Science 236. Environmental Biology (4), *or*
- + Chemistry 270. General Oceanography: Physical and Chemical (4)
- + Biological Science 246. Human Heredity (4), *or*
- + Biological Science 256. Human Anatomy and Physiology (4)
- + Mathematics 260. Computational Methods (4), *or*
- Mathematics 342. Fundamentals of Elementary Mathematics (4)
- One upper division course from biological science, chemistry, earth and marine science, mathematics, physics, or other approved course, selected upon advisement.

III. Social and Behavioral Sciences

32 quarter units are required in the following:

- Economics 100. Basic Studies Economics (4), *or*
- Geography 100. Elements of Geography (4), *or*
- approved Lower division S&BS course selected upon advisement.
- History 101. History of the United States (4), *or*
- Political Science 101. American Institutions (4)
- Anthropology 100. Basic Studies Anthropology: Introduction to Culture (4), *or*
- Psychology 100. Basic Studies Psychology (4), *or*
- Sociology 100. Basic Studies Sociology (4), *or*
- approved lower division S&BS course selected upon advisement.
- 5 upper division courses (20 quarter units) selected upon advisement from anthropology, economics, geography, history, political science, psychology, or sociology, with no more than two courses in any one department and with at least four departments represented; at least *one* must be an upper division history course.

IV. Humanities and Fine Arts

32 quarter units are required in the following:

Art 101. Introduction to Western Art I (4), *or*

Art 102. Introduction to Western Art II (4)

Music 100. Introducing Music (4)

Philosophy 101. Man, Value, and Society (4), *or*

Philosophy 102. Humanity, Nature, and God (4)

4 quarter units of lower division courses selected upon advisement from applied art or music, foreign language, theatre arts, or a symbolic logic course in philosophy.

16 quarter units of upper division courses selected upon advisement from art, foreign language, music, philosophy, or theater arts, with at least one course in each of three different departments.

Students are advised to consult the listing of General Education and statutory requirements to insure that all graduation requirements are satisfied.

LIBRARY

(Educational Resources)

Dean of Educational Resources: Phillip Wesley, M.S.L.S.

In addition to the resources and services provided in support of classroom instruction and independent learning, the University Library offers a regularly scheduled course in the effective use of libraries.

COURSE OFFERING

Lower Division

- 150. LIBRARY SKILLS AND STRATEGIES (2).** Emphasis on the broad principles involved in the retrieval of ideas and information and on the application of search techniques to individual research interests. Topics covered include search strategies, using the card catalog, problems of the subject approach to information retrieval, bibliographies, indexes and abstracts, information retrieval from non-book sources and sources outside the library, and evaluation of sources. Students will develop a search strategy which they will employ to utilize library resources for their research needs.

LINGUISTICS

(School of Humanities and Fine Arts)

Members of the Linguistics Committee:

Chairperson: Burckhard Mohr, Ph.D., Associate Professor (English and Linguistics)

Professors: Richard Beym, Ph.D. (Spanish and Linguistics); Caroline Duncan-Rose, Ph.D. (English and Linguistics); George D. Marsh, Ph.D. (Psychology); Gordon Matthews, Ph.D. (Mathematics)

Associate Professors: Peter Desberg, Ph.D. (Education); Dale E. Elliott, Ph.D. (English and Linguistics); Thomas F. Pyne, Ph.D. (Philosophy)

Additional faculty members from cooperating departments

Linguistics—the study of human language—has been called “the most scientific of the humanities and the most humane of the sciences.” It thus provides an excellent focus for a liberal arts education, as well as a valuable companion field to or foundation for further study in such areas as language disorders, elementary and secondary education, anthropology, philosophy, psychology, literature, and foreign languages. Dominguez Hills offers a series of courses designed to enable the student to pursue an investigation of language as a human ability and as the foundation of human culture and interaction. The range of courses also enables students to meet requirements for admission to graduate linguistics programs at major universities.

In both phonology and syntax the student may proceed from an introductory course through an analytic one to undergraduate and graduate seminars. Courses are also available in psycholinguistics, sociolinguistics, historical linguistics, and the history and early stages of English and other languages. For course descriptions other than Linguistics 290, 295, see English 210, 211, 213, 214, 217, 218, 219, 220, 294, 298, 494, and 498; Old English and Old Norse are offered as English 490.

Requirements for the Minor in Linguistics and for the Certificate in Applied Linguistics are listed on the following page; more extensive programs in Linguistics are available as the major in English with an option in language and linguistics and the master of arts degree in English.

REQUIREMENTS FOR THE MINOR IN LINGUISTICS

Upper Division

- A. English 211. Phonology (4)
English 214. English Syntax (4)
+English 218. Introduction to Historical Linguistics (4)
- B. +English 220. Linguistic Analysis (4)
- C. *One* elective course in Linguistics or a related discipline, chosen in consultation with the student's advisor (4)
- D. +English 294. Seminar: Special Topics in Linguistics (4), *or*
Linguistics 290. Seminar in Linguistics (4)

By advisement, completion of requirements for the Single-Subject Credential in English with the Linguistics Option may be used to satisfy the requirements for the minor in Linguistics.

+ Consult course description for prerequisite.

REQUIREMENTS FOR THE CERTIFICATE IN APPLIED LINGUISTICS

A Certificate in Applied Linguistics is available to students who satisfactorily complete the program listed below. The certificate program may be taken with or apart from any degree program, major, or minor.

- I. 24 units of coursework:
 - A. (4 units) English/Spanish/French 210. The Study of Language
 - B. (4 units) English 211. Phonology, *or*
English 214. English Syntax
 - C. (4 units) English 219. Psycholinguistics
 - D. (12 units) A coherent combination of three (3) elective courses chosen, in consultation with and with the prior approval of the Chairman of Linguistics, on the basis of the student's career or future study plans. Areas of study from which these courses may be selected include but are not limited to the following:
 - Anthropology
 - Behavioral Sciences
 - Communications
 - Computer Science
 - Education
 - English
 - French
 - Linguistics
 - Psychology
 - Spanish

- II. 20 clock hours of volunteer practical work:
This work might be supervised by EPIC, EOP, the Academic Skills Center, or agencies such as the Neighborhood Youth Association, Head Start, public or private schools, or others. In every case, it *must* be (1) unpaid and (2) have the prior approval of the Chairman of Linguistics.

COURSE OFFERINGS**Upper Division**

- 290. SEMINAR IN LINGUISTICS (4).*** An investigation in the historical and theoretical foundations of modern linguistics. *Prerequisites: Senior standing and consent of instructor.* S(d)
- 295. INDEPENDENT STUDY: FOREIGN LANGUAGES (4).*** Individual study and/or credit by examination in a foreign language not offered by the college. *Arrangements must be made a quarter in advance of registration. Prerequisites: Consent of instructor and Chairperson of Linguistics or Foreign Languages.*

* Repeatable course.

MATHEMATICS

(School of Natural Sciences and Mathematics)

Chairperson: William L. Armacost, Ph.D., Professor

Professors: William E. Gould, Ph.D.; William B. Jones, Ph.D.; Lawrence L. Larmore, Ph.D.; Gordon Matthews, Ph.D.; Norman A. Wiegmann, Ph.D.

Associate Professors: Stephen A. Book, Ph.D.; Chi-Lung Chang, Ph.D.; Garry D. Hart, Ph.D.; Frank B. Miles, Ph.D.

Assistant Professors: Jackson N. Henry, Ph.D.; Terence R. Shore, Ph.D.

Mathematics and mathematical ideas play an increasingly important part in modern life. In addition to being an essential tool in the physical sciences, mathematics is used extensively in such diverse areas as the social, behavioral, and management sciences, environmental studies, medical and general biological research, and computer science.

The degree major program in mathematics at California State University Dominguez Hills, is designed to prepare the student for work as a professional mathematician in business, industry, government, and teaching. The program also provides the background necessary for graduate work in mathematics and other disciplines. In addition, the University offers minor programs in mathematics, statistics, and actuarial studies that offer insight into research, business, industrial, and computer use of modern mathematics. Selected course offerings train the student to carry out and understand mathematical and statistical analyses in all fields of the natural, social, and behavioral sciences. In addition, the Mathematics Department offers a course of study leading to a single-subject teaching credential.

(The graduate professional course in Mathematics is listed in the Graduate Bulletin of this catalog).

REQUIREMENTS FOR THE MAJOR

A total of 76 units of mathematics, biological science, chemistry, and physics is required for the Bachelor of Arts degree program in Mathematics. Of these, 40 are lower division prerequisites which may, where allowed, also be used to meet General Education requirements. The remaining 36 units are upper division mathematics.

Lower Division

Biological Science 102. General Biology (4), *or*

Biological Science 110. Principles of Biology (4)

Chemistry 110-112. General Chemistry I, II. *Chemistry 112 may be omitted provided that both Physics 112 and 114 are taken.* (10)

Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV (16)

Physics 110 and either 112 or 114. General Physics (10)

Upper Division

- A. Mathematics 208. Multivariable Calculus (4)
 Mathematics 212-214. Advanced Analysis I, II (8)
 Mathematics 230. Linear Algebra (4)
 Mathematics 232. Abstract Algebra (4)
- B. *Sixteen units* including at least *one* two-quarter sequence course selected from:
 Mathematics 320-322. Functions of Complex Variables I, II (8)
 Mathematics 334. Topics in Algebra (4)
 Mathematics 336-338. Mathematical Logic I, II (8)
 Mathematics 344-346. Topology I, II (8)
 Mathematics 350-352. Probability Theory, Stochastic Processes (8)

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN MATHEMATICS *

A total of 74 units of mathematics, biological science, chemistry, economics, information science, and physics is required for the major degree program in Mathematics, leading to a single-subject teaching credential. Of these, 38 are lower division prerequisites which may, where allowed, also be used to meet General Education requirements. The remaining 36 units are upper division mathematics.

Lower Division

- Biological Science 102. General Biology (4), *or*
 Biological Science 110. Principles of Biology (4)
 Chemistry 110. General Chemistry I (5)
 Economics 100. Basic Studies Economics (4), *or*
 Economics 110. Economic Theory 1A (4), *or*
 Economics 111. Economic Theory 1B (4)
 Computer Science 160. Computer Programming in FORTRAN (4)
 Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV (16)
 Physics 110. General Physics (5)

Upper Division

- A. Mathematics 208. Multivariable Calculus (4)
 Mathematics 230. Linear Algebra (4)
 Mathematics 232. Abstract Algebra (4)
 Mathematics 246. Geometry (4)
 Mathematics 336. Mathematical Logic I (4)
 Mathematics 350. Probability Theory (4)
- B. *Twelve units* selected from:
 Mathematics 210. Differential Equations (4)
 Mathematics 212. Advanced Analysis (4)
 Mathematics 320. Functions of Complex Variables I (4)
 Mathematics 334. Topics in Algebra (4)
 Mathematics 338. Mathematical Logic II (4)

* For additional credential requirements, including professional preparation, see page 401.

REQUIREMENTS FOR THE MINOR IN MATHEMATICS

The minor in mathematics is available to students majoring in other fields who would benefit from having a strong background in mathematics. A total of 36 units is required, of which 16 are lower division and 20 are upper division. The lower division courses may, where allowed, also be used to meet major or General Education requirements.

Lower Division

Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV (16)

Upper Division

Twenty units selected from the following list:

Mathematics 208, 210, 212, 214, 216, 230, 232, 260, 266, 268, 295, 320, 322, 334, 336, 338, 344, 346, 350, 352

REQUIREMENTS FOR THE MINOR IN STATISTICS

The minor in Statistics is available to students in all major fields who will need a strong background in statistics for their graduate work or future career. A total of 40 units is required, of which 20 are lower division and 20 are upper division. The lower division courses may, where allowed, also be used to meet major or General Education requirements.

Lower Division

Mathematics 110-112-114. Differential and Integral Calculus I, II, III (12)

Mathematics 150. Elementary Statistics and Probability (4)

Mathematics 152. Statistical Analysis and Correlation (4)

Upper Division

- A. Mathematics 256. Classical Statistics (4)
 Mathematics 258. Nonparametric Statistics (4)
 Mathematics 350. Probability Theory (4)
 Mathematics 352. Stochastic Processes (4)
- B. *Four units* from the following list in applied statistics:
 Biological Science 201. Biostatistics (4)
 + Business Administration 223. Introduction to Operations Research (4)
 + Economics 250. Quantitative Economic Analysis I (4)
 + Geography 206. Geographic Analysis (4)
 Physical Education 280. Tests and Measurements in Physical Education (4)
 Psychology 230. Behavioral Statistics and Research Design (4)
 Psychology 231. Measurement in Psychology (4)
 Public Administration 204. Quantitative Methods in Public Administration (4)

REQUIREMENTS FOR THE MINOR IN ACTUARIAL STUDIES

The minor in Actuarial Studies is available to students in all major fields who are considering a career in the business world, especially in life, health, or casualty insurance, banking, or governmental agencies which oversee these areas. A total of 48 units is required, of which 28 are lower division and 20 are upper division. The lower division courses may, where allowed, also be used to meet major or General Education requirements.

+ Consult course description for prerequisite.

Lower Division

- Economics 111. Economic Theory 1B (4)
 Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV (16)
 Mathematics 150. Elementary Statistics and Probability (4)
 Mathematics 152. Statistical Analysis and Correlation (4)

Upper Division

- Business Administration 264. Elements of Risk and Insurance (4)
 Mathematics 266-268. Numerical Analysis I, II (8)
 Mathematics 350. Probability Theory (4)
 Mathematics 352. Stochastic Processes (4), *or*
 Mathematics 256. Classical Statistics (4)

COURSE OFFERINGS IN MATHEMATICS**Lower Division**

- 008. INTRODUCTORY ALGEBRA (2).** Topics covered include arithmetical operations on real numbers and algebraic expressions, solutions of linear equations with applications via word problems, factoring. This course is appropriate for students needing a review of arithmetic and elementary algebra. *Four lecture hours per week.* F(d/e), W(d/e), S(d/e)
- 010. ALGEBRA (4).** Topics include solution of linear and quadratic equations, polynomials and factoring, exponential and logarithmic functions and their graphs. *Prerequisite: Mathematics 008 or one year of high school algebra.* F(d/e), W(d/e), S(d/e)
- 012. TRIGONOMETRY (2).** A course in trigonometry for students who do not meet the prerequisites for the calculus sequence. *Prerequisite: Two years of high school algebra or Mathematics 010.* F(d), W(d), S(d)
- 100. BASIC STUDIES MATHEMATICS (4).** Topics in modern mathematics, including set theory and concepts from logic; the real number system and subsystems; the concept of function, sequence, and limit. F(d/e), W(d/e), S(d/e)
- 102. MATHEMATICAL ANALYSIS FOR MANAGEMENT AND SOCIAL SCIENCES I (4).** Topics covered include functions, graphs, the straight line, systems of linear inequalities, the derivative and its applications including maxima and minima. *Prerequisite: Mathematics 010 or two full years of high school algebra.* F(d/e), W(d/e), S(d/e)
- 104. MATHEMATICAL ANALYSIS FOR MANAGEMENT AND SOCIAL SCIENCES II (4).** A continuation of Mathematics 102. Topics covered include further development of the calculus, including integral calculus, and matrix theory. *Prerequisite: Mathematics 102.* F(e), W(e), S(e)
- 110. DIFFERENTIAL AND INTEGRAL CALCULUS I (4).** Functions, introduction to the derivative and integral, analytic geometry, vectors in the plane. *Prerequisites: (a) Either two years of high school algebra or Mathematics 010, and (b) one semester of high school trigonometry or Mathematics 012 or concurrent enrollment in Mathematics 012, and (c) a placement test administered by the college.* F(d/e), W(d/e), S(d/e)

- 112. DIFFERENTIAL AND INTEGRAL CALCULUS II (4).** A continuation of Mathematics 110. Topics covered include trigonometric and exponential functions, techniques of integration, the concepts of limits and continuity. *Prerequisite: Mathematics 110.* F(d/e), W(d/e), S(d/e)
- 114. DIFFERENTIAL AND INTEGRAL CALCULUS III (4).** A continuation of Mathematics 112. Topics covered include differentials, solid analytic geometry, vectors in three dimensions, partial derivatives, multiple integration. *Prerequisite: Mathematics 112.* F(d/e), W(d/e), S(d/e)
- 116. DIFFERENTIAL AND INTEGRAL CALCULUS IV (4).** A continuation of Mathematics 114. Topics covered include applications of multiple integration, infinite series, and differential equations. *Prerequisite: Mathematics 114.* F(d/e), W(d/e), S(d/e)
- 120. SURVEY OF CALCULUS I (4).** Differentiation and integration of functions of one variable, with applications to life, social, and management sciences. Emphasis on problem-solving techniques rather than theory. *Prerequisite: Two years of high school algebra or Mathematics 010.* F(d), S(d)
- 122. SURVEY OF CALCULUS II (4).** Further topics in differentiation and integration, including differential equations and infinite series. *Prerequisite: Mathematics 120.* W(d)
- 150. ELEMENTARY STATISTICS AND PROBABILITY (4).** A practical course in statistics and probability, including such topics as the normal distribution, t-test, chi-square test, linear regression and correlation, conditional probability. *Prerequisite: Mathematics 008 or one year of high school algebra.* F(d/e), W(d/e), S(d/e)
- 152. STATISTICAL ANALYSIS AND CORRELATION (4).** Advanced topics in statistics including game theory, non-parametric statistics, curvilinear and multiple regression, multiple and partial correlation. *Prerequisite: Mathematics 150.* S(e)
- 160. DISCRETE MATHEMATICS I. (4).** Set theory, probability, Boolean algebra, combinatorics, and matrix algebra, with applications to computers and computer programming. *Prerequisite: Mathematics 110 or 120 and programming experience.* F(e), S(d)
- 190. HISTORY OF MATHEMATICS (4).** The historical development of mathematics from ancient times through the invention of calculus. Topics covered include the nature of proof and the axiomatic method, with particular reference to the Greeks; algebra and the development of symbolic notation; and analytic geometry. *Prerequisite: Mathematics 112 or Mathematics 104.* W(d)

Upper Division

- 208. MULTIVARIABLE CALCULUS (4).** A continuation of Mathematics 116. Topics covered include vector calculus, line and surface integrals, and the theorems of Green, Gauss, and Stokes. *Prerequisite: Mathematics 116.* F(d), W(d), S(d)
- 210. DIFFERENTIAL EQUATIONS (4).** Topics covered include first order linear equations, n th order linear equations with analytic coefficients, n th order linear equations with regular singular points, non-linear equations, existence and uniqueness of solutions, systems of non-linear equations. *Prerequisite: Mathematics 116.* F(d), W(d)
- 212. ADVANCED ANALYSIS (4).** Elements of set theory, numerical sequences and series; continuity, differentiability and integration of functions of one variable. *Prerequisite: Mathematics 208.* F(d), W(d), S(d)

214. **ADVANCED ANALYSIS II (4)**. Sequences and series of functions, uniform convergence, power series; continuity, differentiability, and integration of functions of several variables. *Prerequisite: Mathematics 212 and Mathematics 230.* F(d), W(d), S(d)
230. **LINEAR ALGEBRA (4)**. Linear equations; vector spaces; matrices; linear transformations; polynomials; determinants; etc. *Prerequisite: Mathematics 116.* F(d)
232. **ABSTRACT ALGEBRA (4)**. Basic theory of groups, rings, integral domains, fields, and related results. *Prerequisite: Mathematics 116.* W(d)
246. **GEOMETRY (4)**. Topics in synthetic and analytic geometry; transformations, similarity, congruence, distance, angles, constructions; introduction to projective and/or non-Euclidean geometry. *Prerequisite: Mathematics 112.* S(d)
256. **CLASSICAL STATISTICS (4)**. Sampling distributions, interval and point estimation, sufficient statistics, most powerful tests, sequential tests. *Prerequisite: Mathematics 350.* S(d)
258. **NONPARAMETRIC STATISTICS (4)**. Rank tests and other tests of randomness, location, dispersion, symmetry, and independence. *Prerequisite: Mathematics 256.* F(d)
260. **DISCRETE MATHEMATICS II (4)**. A study of various topics in discrete mathematics and their applications to analysis of algorithms. *Prerequisite: Mathematics 160 and Computer Science 210.* W(e)
266. **NUMERICAL ANALYSIS I (4)**. Finite differences and applications; interpolation formulas; inversion of matrices; numerical methods of solution of linear equations; numerical differentiation and integration. *Prerequisite: Mathematics 116 and Computer Science 110 or Computer Science 160.* F(d)
268. **NUMERICAL ANALYSIS II (4)**. A continuation of Mathematics 266. *Prerequisite: Mathematics 266.* W(d)
295. **SELECTED TOPICS IN MATHEMATICS (2, 4)*** *Prerequisite: Consent of instructor.* F(d/e), W(d/e), S(d/e)
298. **INDEPENDENT STUDY (2, 4)*** A reading program of selected topics conducted under the supervision of a faculty member. *Prerequisite: Consent of instructor.* F(d/e), W(d/e), S(d/e)
320. **FUNCTIONS OF COMPLEX VARIABLES I (4)**. Complex numbers; point sets, sequences and mappings; analytic functions; elementary functions; and integration. *Prerequisite: Mathematics 208.* F(d)
322. **FUNCTIONS OF COMPLEX VARIABLES II (4)**. A continuation of Mathematics 320. Integration (continued); power series; the calculus of residues; conformal representation; and applications. *Prerequisite: Mathematics 320.* W(d)
334. **TOPICS IN ALGEBRA (4)**. A continuation of Mathematics 230 and 232. Topics covered include further developments in the theory of matrices, groups, rings, and fields. *Prerequisites: Mathematics 230 and 232.* S(d)
336. **MATHEMATICAL LOGIC I (4)**. Topics covered include propositional calculus, classical and intuitionistic; completeness and consistency theorems; first order predicate calculus with equality; axiomatic arithmetic; Godel's incompleteness theorem. *Prerequisite: Mathematics 112.* F(d)

* Repeatable course.

- 338. MATHEMATICAL LOGIC II (4).** A continuation of Mathematical Logic I. *Prerequisite: Mathematics 336.* W(d)
- 344. TOPOLOGY I (4).** Basic concepts including the algebra sets; topological spaces; connectedness, compactness, and continuity; separation and countability axioms. *Prerequisite: Mathematics 214.* W(d)
- 346. TOPOLOGY II (4).** A continuation of Mathematics 344. *Prerequisite: Mathematics 344.* S(d)
- 350. PROBABILITY THEORY (4).** Probability as a mathematical system, including conditional probability and independence, random variables and distribution functions, moments, and limit theorems. *Prerequisite: Mathematics 112.* F(d), S(d)
- 352. STOCHASTIC PROCESSES (4).** Markov chains; Markov, Poisson, queuing, branching, and Gaussian processes. *Prerequisite: Mathematics 350.* W(d)

Graduate Professional

See the Graduate Bulletin in this Catalog for graduate professional classes in Mathematics.



MEDICAL TECHNOLOGY

(School of Natural Sciences and Mathematics)

Chairperson: James Welch, D.H.Sc., Associate Professor (Health Science)

Members of the Medical Technology Committee:

Professors: Evelyn Childress, Ph.D. (Biological Science); Ulrich de la Camp, Ph.D. (Chemistry)

Assistant Professor: Laura Phillips, Ph.D. (Biological Science and Medical Technology)

Additional Committee Members: Suzanne Bogucki, MSMT, MT(ASCP); Thomas Reilly, Ph.D.; David Tucker, MSMT, MT(ASCP), and representatives from cooperating clinical facilities.

Adjunct faculty listed on page 477.

SINGLE-SUBJECT MAJOR

The Department of Medical Technology offers a curriculum leading to the B.S. degree in Medical Technology (BSMT). Completion of the degree requirements beyond the pre-clinical course work is accomplished in the Clinical Year.

The Clinical Year interest area is part of the integrated program which fulfills the academic and training requirements to sit for the State Licensure Examination as a Clinical Laboratory Technologist.

A minor is not required.

CLINICAL YEAR: SPECIAL ADMISSION AND POLICIES

Because of the nature of this professional program, two application procedures are required for students interested in the clinical year.

Admission to the University does not mean acceptance to the clinical year. Only a limited number of students can be admitted to this "fourth year" interest area leading to licensure. In addition, clinical year positions are not available to foreign student visa holders or students not proficient in English. Usually for any beginning period (January/July), there are more qualified applicants than can be accommodated.

Applications to the clinical year (fourth year interest area) are handled through the department and are accepted from October 1 thru 30 for the following July class and from May 1 thru 30 for the following January class. Applicants must have been fully admitted to the University, be in residence for three quarters prior to the beginning of the class, completed all General Education and lower division requirements, completed Bio 324 Microbiology and satisfy the Supplemental Screening Criteria. Applications are reviewed by a committee composed of regular and adjunct faculty from the University and clinical facilities. One or more oral interviews will be required on campus and/or at the facilities.

Applicants not accepted into the clinical year may meet degree requirements in another subject area or may be encouraged to reapply at a later date with the

approval of the department chairperson. Alternate degree objectives should be worked out in close consultation with an advisor to avoid loss of credit or time.

To be eligible for consideration as a candidate for acceptance in the professional clinical year, an applicant must have completed, with an overall minimum GPA of 2.50 (on a 4.00 scale) the prerequisite courses (Lower Division; Upper Division, A.) and all General Education Requirements. In addition a minimum 3.00 (on a 4-point scale) is required in all pre-clinical course work.

From among the applicants, the Program Committee will determine those applicants who are accepted into the clinical year on the basis of the following Supplemental Admission Criteria.

1. Academic success as reflected by:
 - a. GPA in required "pre-clinical course work" (minimum 3.00 on a 4.00 scale).
 - b. Desirable "pattern" of academic performance (i.e. consistency and/or improvement).
 - c. Completion of the General Education Requirements.
2. Evaluation by the Program Committee of the student's potential to succeed in the Medical Technology Program and the profession (appearance, attitude, interest, enthusiasm, poise, motivation, expectations, career planning, maturity, social understanding and involvement, flexibility, stability).
3. Physical, professional and emotional fitness for the demands of the job as verified by a physician and three letters of recommendation. These letters of recommendation must validate relevant work experience and/or knowledge of the field. Accordingly it is recommended that one be from an employer (if employed in a health related field) and the others from faculty for the preclinical course work.
4. Completion of three quarters in residence prior to beginning the clinical training.
5. Clarity of expression (oral and written) and relevant extracurricular activity (ex: active member or officer, Social Club, Medical Technology Club, etc.) as revealed by an autobiography and in the application form.
6. Have no felony convictions.
7. Other factors which will be considered, but which will not guarantee selection are: prior qualified application, efforts to seek psychosocial balance in the program, and veteran status.

Successful applicants will be required to obtain a physical and a California Clinical Laboratory Technologist Trainee License. Additional information on these procedures may be obtained by contacting the department chairperson.

Academic Regulations

A grade of "C" is the minimal grade acceptable in the clinical year. Students who receive a grade or grades below the acceptable minimum or who show lack of reasonable progress may be requested to appear before the Medical Technology Committee. The Committee also considers disciplinary cases and may remove students from the clinical year with just cause.

Transportation

Students will be required to furnish their own transportation to and from the clinical facilities both in the clinical academic (fourth) year and in those preclinical courses that may require educational training experience at the clinical facility.

Uniforms

Uniforms or laboratory coats are required in the clinical year.

Health Insurance

Student health and accident insurance is required and is the responsibility of the student. For additional information, contact the Student Health Center.

LIMITED ENROLLMENT APPLIES TO THE CLINICAL YEAR ONLY.

REQUIREMENTS FOR THE DEGREE IN MEDICAL TECHNOLOGY**Lower Division**

Prerequisites to upper division standing in Medical Technology are the following courses which may, where allowed, also be used to meet General Education requirements:

- Biological Science 110-112-114. Principles of Biology (12)
- Biological Science 150-151. Elements of Human Anatomy and Physiology; Laboratory (6)
- Chemistry 110-112-114. General Chemistry I, II, III (15)
- Chemistry 130. Quantitative Chemistry (4)
- Medical Technology 101. Survey of Health Care Delivery in America (3)
- Mathematics 150. Elementary Statistics and Probability (4)
- Physics 120-122. Elements of Physics (8)

Upper Division**A. Required Core Courses:**

- Bio. Sci. 324. Microbiology (4)
- Bio. Sci. 325. Medical Microbiology (6) *
- Bio. Sci. 326. Immunology and Serology (4) *
- Bio. Sci. 358. Human Parasitology (4) *
- Chem. 216. Introductory Organic Chemistry (4)
- Chem. 217. Introductory Organic Chemistry Lab (2)
- Chem. 250. Biochemistry I (5) *
- Chem. 252. Biochemistry II (5) *
- Chem. 256. Clinical Chemistry (4) *
- Med. Tech. 201. Introduction to Clinical Laboratory Procedures (4) *
- Med. Tech. 229. Clinical Hematology (4) *
- Med. Tech. 263. Principles of Immunohematology (4) *
- Physics 231. Electronics Laboratory I (2) *

B. Clinical Year

- Med. Tech. 211. Clinical Bacteriology Laboratory (4)
- Med. Tech. 212. Clinical Chemistry Laboratory (6)
- Med. Tech. 213. Clinical Hematology Laboratory (4)
- Med. Tech. 214. Clinical Immunohematology Laboratory (2)
- Med. Tech. 215. Clinical Parasitology Laboratory (2)
- Med. Tech. 216. Clinical Serology Laboratory (2)
- Med. Tech. 217. Clinical Urinalysis Laboratory (2)
- Med. Tech. 218. Clinical Special Procedures (2)
- Med. Tech. 321. Correlations in Clinical Bacteriology (2)
- Med. Tech. 322. Correlations in Clinical Chemistry (3)
- Med. Tech. 323. Correlations in Clinical Hematology (2)
- Med. Tech. 324. Correlations in Clinical Immunohematology (1)
- Med. Tech. 325. Correlations in Clinical Parasitology (1)

* These are considered "pre-clinical" courses specifically although all upper division coursework must be completed prior to entering the clinical year.

- Med. Tech. 326. Correlations in Clinical Serology (1)
- Med. Tech. 327. Correlations in Clinical Urinalysis (1)
- Med. Tech. 328. Correlations in Clinical Special Procedures (1)
- Med. Tech. 291. Seminar in Medical Technology I (2)
- Med. Tech. 292. Seminar in Medical Technology II (2)
- Med. Tech. 293. Seminar in Medical Technology III (2)

COURSE OFFERINGS IN MEDICAL TECHNOLOGY

Lower Division

- 101. SURVEY OF HEALTH CARE DELIVERY IN AMERICA (3).** Examination of the health care delivery system in its evolution to the present day. Analysis of the influences of medical science and technology, social, and other factors, on the development of the health-related professions, their training, and function. An overview of the opportunities in health careers as new trends in health care delivery evolve. *Three hours of lecture per week.*

Upper Division

- 201. INTRODUCTION TO CLINICAL LABORATORY PROCEDURES (4).** Introduction to specialized methodologies of the clinical laboratory. Theory and practical experience in phlebotomy technique; preparation of serum, plasma and whole blood for clinical testing; processing of other body fluids and exudates for clinical determinations; state laws relating to clinical laboratories; laboratory safety. Two hours lecture and six hours laboratory at the clinical facility per week. *Prerequisite: Biological Science 150 and 151.*
- 211. CLINICAL BACTERIOLOGY LABORATORY (4).** Techniques and practical applications in the bacteriology laboratory at the clinical facility. *Prerequisite: Acceptance to Clinical Training Program.*
- 212. CLINICAL CHEMISTRY LABORATORY (6).** Techniques and practical applications in the chemistry laboratory at the clinical facility. *Prerequisite: Acceptance to Clinical Training Program.*
- 213. CLINICAL HEMATOLOGY LABORATORY (4).** Techniques and practical applications in the hematology laboratory at the clinical facility. *Prerequisite: Acceptance to Clinical Training Program.*
- 214. CLINICAL IMMUNOHEMATOLOGY LABORATORY (2).** Techniques and practical applications in the immunohematology laboratory at the clinical facility. *Prerequisite: Acceptance to Clinical Training Program.*
- 215. CLINICAL PARASITOLOGY LABORATORY (2).** Techniques and practical applications in the parasitology laboratory at the clinical facility. *Prerequisite: Acceptance to Clinical Training Program.*
- 216. CLINICAL SEROLOGY LABORATORY (2).** Techniques and practical applications in the serology laboratory at the clinical facility. *Prerequisite: Acceptance to Clinical Training Program.*
- 217. CLINICAL URINALYSIS LABORATORY (2).** Techniques and practical applications in the urinalysis laboratory at the clinical facility. *Prerequisite: Acceptance to Clinical Training Program.*
- 218. CLINICAL SPECIAL PROCEDURES (2).** Techniques and practical applications of special procedures at the clinical facility. *Prerequisite: Acceptance to Clinical Training Program.*

229. **CLINICAL HEMATOLOGY (4)**. Formation and function of human blood cells; laboratory procedures used in enumeration and identification of blood cells; coagulation and hemostasis; theory and application of hematology procedures with emphasis on detection of abnormalities; demonstration of special equipment and techniques. Three hours of lecture and three hours of laboratory per week. *Prerequisite: Biological Science 150/151.*
263. **PRINCIPLES OF IMMUNOHEMATOLOGY (4)**. Theory and technique of detecting red cell antigens and antibodies. Genetics of red cell antigens. Pre-natal and compatibility testing. Hemolytic disease of the newborn, Rh immune globulin. Cause and investigation of transfusion reactions. Three hours of lecture and three hours of laboratory per week. *Prerequisite: Biological Science 326.*
291. **SEMINAR IN MEDICAL TECHNOLOGY I (2)**. Presentation and discussion of current concepts and trends in the administration and management of the clinical laboratory. *Prerequisite: Acceptance to Clinical Training Program.*
292. **SEMINAR IN MEDICAL TECHNOLOGY II (2)**. Presentation and discussion of pertinent topics from current medical technology literature. Student reports. *Prerequisite: Acceptance to Clinical Training Program.*
293. **SEMINAR IN MEDICAL TECHNOLOGY III (2)**. Presentation and discussion of newer methodologies and procedures in the clinical laboratory. Student projects. *Prerequisite: Acceptance to Clinical Training Program.*
321. **CORRELATIONS IN CLINICAL BACTERIOLOGY (2)**. Theory and correlations of patho-physiology in clinical bacteriology. *Prerequisite: Acceptance to Clinical Training Program.*
322. **CORRELATIONS IN CLINICAL CHEMISTRY (3)**. Theoretical and practical aspects correlating medical laboratory procedures in clinical chemistry with various patho-physiological conditions. *Prerequisite: Acceptance to Clinical Training Program.*
323. **CORRELATIONS IN CLINICAL HEMATOLOGY (2)**. Theoretical and practical aspects correlating medical laboratory procedures in clinical hematology with various patho-physiological conditions. *Prerequisite: Acceptance to Clinical Training Program.*
324. **CORRELATIONS IN CLINICAL IMMUNOHEMATOLOGY (1)**. Theoretical and practical aspects correlating medical laboratory procedures in clinical immunohematology and blood banking with various patho-physiological conditions. *Prerequisite: Acceptance to Clinical Training Program.*
325. **CORRELATIONS IN CLINICAL PARASITOLOGY (1)**. Theoretical and practical aspects correlating medical laboratory procedures in clinical parasitology with various patho-physiological conditions. *Prerequisite: Acceptance to Clinical Training Program.*
326. **CORRELATIONS IN CLINICAL SEROLOGY (1)**. Theoretical and practical aspects correlating medical laboratory procedures in clinical serology and immunology with various patho-physiological conditions. *Prerequisite: Acceptance to Clinical Training Program.*
327. **CORRELATIONS IN CLINICAL URINALYSIS (1)**. Theoretical and practical aspects correlating medical laboratory procedures in clinical urinalysis with various patho-physiological conditions. *Prerequisite: Acceptance to Clinical Training Program.*

- 328. CORRELATIONS IN CLINICAL SPECIAL PROCEDURES (1).** Theoretical and practical aspects correlating unusual, out of the ordinary, and exotic test procedures in several departments of the clinical laboratory with various patho-physiological conditions. *Prerequisite: Acceptance to Clinical Training Program.*
- 362. ADVANCED HEMATOLOGY (4).** Hematopathology. Diseases specifically relating to hematology. Diagnostic theory, symptoms, treatments and prognosis. Correlations to bone marrow findings. *Prerequisite: Three hours of lecture and three hours of laboratory per week. Medical Technology 229.*
- 397. DIRECTED STUDY (2,4).** A library or project-type study of selected topics in an area of interest to the student and which has a health-related aspect. *Prerequisite: Upper division standing.*
- 398. INDEPENDENT STUDY IN MEDICAL TECHNOLOGY (1,2,3,4).** Independent study of a particular area of Medical Technology. *Prerequisite: Consent of instructor and advisor.*

MEXICAN AMERICAN STUDIES

(School of Humanities and Fine Arts)

Chairperson: Roberto Sifuentes, M.A., Assistant Professor (Mexican American Studies and Spanish)

Associate Professor: Enrique Cortés, Ph.D. (History)

Assistant Professors: José Cuervo, Ph.D. (Spanish); Irene McKenna, Ph.D. (English)

Additional faculty members from cooperating departments.

The Mexican American Studies Program at California State University Dominguez Hills has course offerings that can lead to a *Major* or to a *Minor*. It is a University-wide interdisciplinary program incorporating courses from ten cooperating departments. As an academic program, it is administered through the School of Humanities and Fine Arts. It is also guided by a Director, who serves as Chairperson of the Mexican American Studies Committee, which is composed of faculty and students.

Mexican American Studies provides a means for training leaders, both inside and outside the minority communities, who are capable of working in minority affairs. However, regardless of the profession an individual selects he/she will be likely, in professional work, to come into increasingly greater contact with persons of varied backgrounds and, in the Southwest, with Mexican Americans in particular. The courses offered by Mexican American Studies will better prepare one to deal professionally with persons of different ethnic groups. Thus an individual's professional qualifications will be improved and professional status enhanced by having Mexican American Studies courses.

This program offers courses that will help prospective teachers develop the competencies in the Culture of Mexico and the Mexican American Community, as well as Community Field Experiences, as required by the new Bilingual/Cross-Cultural Specialist Credential (Mexican American Specialist). Through Mexican American Studies 397, Research Methods in the Chicano Community, students can carry on research projects or work-study projects in the Community in the areas of Bilingual Education, Social Work, Bilingual Teaching Aides, etc., and get both the required field experience for the Bilingual/Cross-Cultural Credential and unit credit for the B.A. degree.

REQUIREMENTS FOR THE B.A. DEGREE IN MEXICAN AMERICAN STUDIES

Lower Division

Recommended electives:

- Spanish 105. Spanish for Public Service (4)
- +Spanish 150. Folklórico and Teatro Workshops (4)

Upper Division

- A. History 248. History of the Mexican American People II (4)
- Psychology 281. Psychology of the Mexican American II (4)
- Sociology 217. Sociology of Rural and Urban Mexican American People (4)
- B. *One* course selected from the following in the School of Humanities and Fine Arts:
 - Art 253. Art of California and the Southwest (4)
 - +Spanish 200. Teaching School Subject Matter in Spanish (4)
 - +Spanish 211. The Structure of Spanish (4)
 - +Spanish 235. Sociolinguistic Approach to Mexican American Dialect and Reading (4)
 - +Spanish 251. Contemporary Hispanic Culture: Spanish Speaking America (4)
(Sections identified in quarterly class schedules as *Mexico and the Southwest*)
 - +Spanish 261. Lecturas Mexicanas (4)
 - +Spanish 287. Contemporary Mexican American Literature (4)
- C. *Three* courses selected from *three* different departments of the School of Social and Behavioral Sciences and the School of Education:
 - Anthropology 231. Contemporary Mexican American Culture and Its Antecedents (4)
 - Education 222. Education of the Mexican American (4)
 - History 247. History of the Mexican American People I (4)
 - History 273. California (4)
 - History 292. Special Topics in History (Sections identified in quarterly class schedules as *Religion in Mexican American Society*) (4)
 - Mexican American Studies 397. Research Methods in the Chicano Community (4)
 - Political Science 221. Mexican American Politics (4)
 - Psychology 280. Psychology of the Mexican American I (4)
 - Sociology 235. Social Movements (Sections identified in quarterly class schedules as *Chicano Experience* or *La Chicana: A New Awareness*) (4)
- D. An elective course outside the student's departmental field from B or C above or *one* of the following recommended courses:
 - Anthropology 210. Psychological Anthropology (4)
 - Art 260. Latin American Art (4)
 - History 288. Mexico: Colonial Period (4)
 - Mexican American Studies 200. Introduction to Mexican American Studies (4)
- E. Mexican American Studies 390. Seminar in Mexican American Studies (4)

+ Consult course description for prerequisite.

REQUIREMENTS FOR THE MINOR IN MEXICAN AMERICAN STUDIES

Lower Division

Recommended electives:

- Spanish 105. Spanish for Public Service (4)
- + Spanish 150. Folklórico and Teatro Workshops (4)

Upper Division

Students selecting this minor will be required to take 24 units from the following:

- A. History 248. History of the Mexican American People II (4)
- Psychology 281. Psychology of the Mexican American II (4)
- B. *One* course selected from the following in the School of Humanities and Fine Arts:
 - Art 253. Art of California and the Southwest (4)
 - Spanish 200. Teaching School Subject Matter in Spanish (4)
 - + Spanish 211. The Structure of Spanish (4)
 - + Spanish 235. Sociolinguistic Approach to Mexican American Dialect and Reading (4)
 - + Spanish 251. Contemporary Hispanic Culture: Spanish-Speaking America (4)
 - + Spanish 261. Lecturas Mexicanas (4)
 - + Spanish 287. Contemporary Mexican American Literature (4)
- C. *Two* courses selected from different departments of the School of Social and Behavioral Sciences or the School of Education:
 - Anthropology 231. Contemporary Mexican American Culture and Its Antecedents (4)
 - Economics 282. The Economics of Poverty (4)
 - Education 222. Education of the Mexican American (4)
 - History 247. History of the Mexican American People I (4)
 - History 273. California (4)
 - History 292. Special Topics in History. (4) (Selections identified in quarterly class schedules as *Religion in Mexican American Society*)
 - Mexican American Studies 397. Research Methods in the Chicano Community (4)
 - Political Science 221. Mexican American Politics (4)
 - Psychology 280. Psychology of the Mexican American (4)
 - Sociology 217. Sociology of Rural and Urban Mexican Americans (4)
 - Sociology 235. Social Movements (4) (Sections identified in quarterly class schedules as *Chicano Experience* or *La Chicana: A New Awareness*)
- D. An elective outside the student's major field selected from B or C above or any of the following recommended courses:
 - Anthropology 210. Psychological Anthropology (4)
 - History 288. Mexico: Colonial Period (4)
 - History 289. Mexico: National Period (4)
 - Mexican American Studies 200. Introduction to Mexican American Studies (4)
 - Mexican American Studies 390. Seminar in Mexican American Studies (4)

+ Consult course description for prerequisite.

RECOMMENDED COURSES FOR STUDENTS WHO WISH TO PREPARE TO CHALLENGE THE SPANISH LANGUAGE AND MEXICAN AMERICAN CULTURE COMPETENCIES REQUIRED FOR THE BILINGUAL/CROSS-CULTURAL SPECIALIST TEACHING CREDENTIAL (MEXICAN AMERICAN SPECIALIST).

Students interested in acquiring this Specialist Credential may be from any of the following groups: 1) Public School teachers in service who are on leave of absence or on sabbatical leave; 2) Credentialed teachers not now employed because of the lack of job opportunities for monolingual teachers; 3) Credential seekers among regular students in the college whose opportunities for employment will be enhanced by the acquisition of fluency in Spanish language; 4) Paraprofessionals and teacher aides who are working toward a standard teaching credential and who could become potential candidates for the Bilingual/Cross-Cultural Specialist Teaching Credential (Mexican American Specialist).

Lower Division

- Spanish 121. Fifth-Quarter Spanish (4)
- Spanish 130. Spanish Conversation (4)
- Spanish 150. Folklórico and Teatro Workshops (4)

NOTE: Students who have completed two, three, or four years of high school Spanish and who pass a proficiency test will be placed in the appropriate quarter of college Spanish. Consult a departmental advisor for details.

Upper Division

- A. Spanish 200. Teaching School Subject Matter in Spanish (4)
- Spanish 210. The Study of Language (4)
- Spanish 211. The Structure of Spanish (4)
- Spanish 212. Spanish-English Language Contrasts (4)
- Spanish 214. Spanish Phonology (4)
- Spanish 235. A Sociolinguistic Approach to Mexican American Dialect and Reading (4)
- Spanish 251. Contemporary Hispanic Culture: Spanish-Speaking America (4)
- B. Mexican American Studies 200. Introduction to Mexican American Studies (4)
- Mexican American Studies 397. Research Methods in the Chicano Community (4)
- C. Education 222. Education of the Mexican American (4)

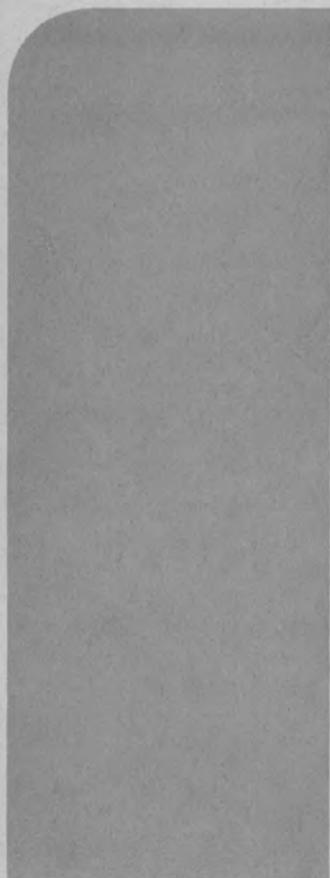
COURSE OFFERINGS

Upper Division

- 200. INTRODUCTION TO MEXICAN AMERICAN STUDIES (4).** An introduction to the historical, political, psychological, and social aspects of the Mexican American experience. Includes an analysis of the various forces and circumstances that make up the second largest minority in the United States. *This course meets the intent of Assembly Bill 1117 of September 4, 1969.* F(d)
- 390. SEMINAR IN MEXICAN AMERICAN STUDIES (4).** Study of selected topics which provide a comprehensive understanding of the experience, contributions, and participation of Mexican Americans in United States society. *Prerequisite: Senior standing and consent of instructor.* S(d)

397. **RESEARCH METHODS IN CHICANO COMMUNITY (2,4).*** Supervised research experience in the barrio and private and public agencies in education, welfare, law enforcement, employment, and housing, including review of basic techniques in social research design with emphasis on measurement and social science techniques. *Prerequisite: Senior standing or consent of instructor.* F(d), W(d), S(d)
398. **INDEPENDENT STUDY (1, 2, 4).*** Independent study of a particular topic in Mexican American Studies relating two or more disciplines, such as anthropology, art, education, history, language, music, politics, psychology, or sociology under the direction of an instructor in Mexican American Studies. F(d), W(d), S(d)

* Repeatable course.



MUSIC

(School of Humanities and Fine Arts)

Chairperson, Department of Music: Frances Steiner, D.M.A., Professor

Professors: Marshall Bialosky, M.Mus.; Richard Bunger, M.Mus.

Associate Professors: Hanson Caldwell, Ph.D.; David Champion, M.A.

The music program at Dominguez Hills, accredited by the National Association of Schools of Music, is distinguished by the wide variety of experiences it offers the student.

The objectives of the music program are:

1. To improve the performance skills of each music student.
2. To provide each music student with a wide range of ensemble experience through the orchestra, the band, the chorus, the chamber music ensemble, and the early instruments consort.
3. To provide each music student with a thorough knowledge of music history and theory.
4. To provide music students with some knowledge of the various ethnic musics.
5. To provide music students with a solid grounding in the music of their own time with courses in modern music and electronic music.
6. To provide music students with career-oriented skills for use in the music industry.
7. To provide courses appropriate for the preparation of secondary school music teachers.
8. To provide music courses both through the General Education program and through purely elective courses for the general student.
9. To provide advanced students teaching experience through the Saturday Conservatory of Music and Dance.

Five different curricular programs are available to the student: the music major, the music major with an electronic music and recording emphasis, the music minor, the minor in electronic music and recording, and the single subject credential program in music for secondary teachers. Each of the programs is outlined below.

REQUIREMENTS FOR THE MAJOR IN MUSIC

Lower Division

- A. Required Courses
Music 110-111-112. Music Theory I, II, III (4,4,4)
- B. Recommended Courses
Music 100. Introducing Music (4)
Music 150. Songwriting (4)

Upper Division

- A. Music 210-211-212. Advanced Music Theory I, II, III (4,4,4)
 Music 316. Medieval and Renaissance Music (4)
 Music 317. Baroque and Classical Music (4)
 Music 318. Romantic and Early Modern Music (4)
- B. Plus *twelve units* selected from the following:
 Music 213. Counterpoint (4)
 Music 214. Instrumentation (4)
 Music 225. Composition and Arranging: Popular and Jazz (4)
 Music 256. Music Theatre Workshop (4)
 Music 260. Conducting (4)
 Music 265. Special Studies in Music (4)
 Music 315. Composition and Arranging: Art Music (4)
 Music 350. American Music (4)
 Music 352. Afro-American Music (4)
 Music 369. The Techniques of Sound Recording (4)
 Music 370. Twentieth Century Composers: Their Writings and Their Music (4)
 Music 371. Electronic Music (4)
- C. Special Applied Music Requirements for Every Music Major:
1. Demonstrate a minimal level of competency on the piano. A piano proficiency examination will be required of every graduating student.
 2. Participate in one of the college's performing ensembles during each quarter of residency.
 3. All music majors are expected to accumulate 12 units of applied music credit within the period of their residency at Dominguez Hills. Six of these 12 may be earned by participating in any of the following ensembles as many times as the student desires:
 - Music 190. Early Instruments (1)
 - Music 275. University Orchestra (1)
 - Music 280. University Chorale (1)
 - Music 285. University Band (1)
 - Music 295. Chamber Music (1)

The remaining 6 units of applied music must be taken within the student's major applied performance area. Three of these last six units must be taken for credit on campus (where such a course is available) at the 200-level (private lessons). Up to 3 of the total 6 units may be either at the 100-level (classes), or by outside lessons when the student petitions for credit and is heard by a faculty jury.

4. Before being approved for graduation in their major performing area, all music majors must perform instrumentally or vocally at a certain level of difficulty and proficiency. Detailed lists of representative repertory are available from the Music Department.

MAJOR IN MUSIC: OPTION IN ELECTRONIC MUSIC AND RECORDING

The option in Electronic Music and Recording provides the student with the opportunity to develop a thorough background not only in traditional musical subjects, but also in the important new fields of electronic music synthesis and audio recording. The facilities of the Laboratory for Electronic Music and Recording at California State University Dominguez Hills are among the finest and most extensive of any college or university on the West Coast.

Students completing the Major or Minor in Electronic Music and Recording will have knowledge and skills essential to all areas of sound communication, including recordings, broadcast media, and all the stylistically diverse fields now grouped under the heading "electronic music." These include analog synthesis of original art music by electronic means, synthesis as a means of reorchestrating older musical "masterpieces," and the synthesizer as a new instrument for concert performance among musicians of every persuasion, from rock to pop to symphonic. This can be a humanistic minor for the science major or a more science-oriented major for the humanist.

Lower Division

- A. Required Courses
 - Music 110-111-112. Music Theory I, II, III (4,4,4)
- B. Recommended Courses:
 - Music 150. Songwriting (4)
 - Physics 101. Insights in Contemporary Physics: Sound and Music (4)

Upper Division

- A. Required Courses (36 units)
 - Music 210-211-212. Advanced Music Theory I, II, III (4,4,4)
 - Music 369. Techniques of Sound Recording (4)
 - Music 371. Electronic Music (4)
 - Music 373. Advanced Electronic Music and Recording (4,4) (repeated for credit)
 - Music 370. Twentieth Century Composers: Their Writings and Their Music (4)
 - Physics 202. Experimental Methods (1)
 - Physics 231. Electronics Laboratory (2)
 - Music 398. Independent Study (1)
- B. *Either* of the following courses (4 units)
 - Music 225. Composition and Arranging: Popular and Jazz
 - Music 315. Composition and Arranging: Art Music
- C. Special Applied Music requirements for *every* Music Major with the Option in Electronic Music and Recording:
 1. Participate in one of the University's performing ensembles during each quarter of residency (University Chorale, University Orchestra, University Band, Chamber Music).
 2. Accumulate 8 units of private instrumental lessons, composition lessons, independent study, and/or ensemble music credit within the period of residency. At least two of these must be in composition lessons and/or Independent Study. Up to six of these may be earned by participating in any of the performing ensembles as many times as the student desires (University Chorale, University Orchestra, University Band, Chamber Music).
 3. Before being approved for graduation, each major must demonstrate a proficiency in the use of synthesizers and recording equipment.

REQUIREMENTS FOR THE MINOR IN MUSIC

Lower Division

Recommended Courses:

- Music 110. Music Theory I (4)
- Music 111. Music Theory II (4)
- Music 112. Music Theory III (4)

Upper Division (24 units)

A. Required Courses:

- Music 316. Medieval and Renaissance Music (4)
- Music 317. Baroque and Classical Music (4)
- Music 318. Romantic and Early Modern Music (4)

- B. Twelve additional units of any 200 or 300 level music course except Music 200. May be taken as three four-unit courses, or as twelve units of applied music (lessons and/or ensemble), or in any combination of applied music and classroom work desired.

REQUIREMENTS FOR THE MINOR IN ELECTRONIC MUSIC AND RECORDING

Lower Division

Recommended Courses:

- Music 150. Songwriting (4)
- Music 110-111-112. Music Theory I, II, III (4,4,4)
- Physics 101. Insights in Contemporary Physics: Sound and Music (4)

Upper Division

A. Required Courses (12 units):

- Music 369. Techniques of Sound Recording (4)
- Music 371. Electronic Music (4)
- Music 373. Advanced Electronic Music and Recording (4)

B. Any *two* of the following courses (8 units):

- Music 370. Twentieth Century Composers: Their Writings and Their Music (4)
- Music 225/315. Composition and Arranging: Art Music/Popular and Jazz (4/4)
- Music 373. Advanced Electronic Music and Recording (4)

C. *Two units* from the following courses:

- Physics 202. Experimental Methods (1)
- Physics 231. Electronics Laboratory (2)
- Music 369L. Recording Laboratory (1)

D. *Two units* from the following:

- Music 398. Independent Study (1 or 2)
- Physics 297. Directed Research (2)

- E. Recommended Courses: three units in applied music in one of the following ensembles: University Chorale, University Orchestra, University Band, Chamber Music.

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN MUSIC **

This program requires 60 units of upper division course work. It does not require an additional academic minor outside of the field of music.

Enrollment in this program is limited to students who are preparing to enroll in the single-subject credential program. Other music majors are required to complete an academic minor in a field other than music.

MAJOR IN MUSIC

Lower Division (15 units)

- Music 110-111-112. Music Theory I, II, III (4, 4, 4)
- Music 181. Class Voice (1)
- Music 190. Early Instruments (1)
- Music 191. Class Piano (1)

Upper Division (60 units)

- A. Music 210-211-212. Advanced Music Theory I, II, III (4, 4, 4)
Music 316, 317, 318 (Music History sequence) (4, 4, 4)
- B. *Three* courses from the following list:
 - Music 213. Counterpoint (4)
 - Music 214. Instrumentation (4)
 - Music 225. Composition and Arranging: Popular and Jazz (4)
 - Music 256. Music Theater Workshop (4)
 - Music 265. Special Studies in Music (4)
 - Music 315. Composition and Arranging: Art Music (4)
 - Music 350. American Music (4)
 - Music 352. Afro-American Music (4)
 - Music 369. The Techniques of Sound Recording (4)
 - Music 370. Twentieth Century Composers (4)
 - Music 371. Electronic Music (4)
- C. Music 231. Instrument Maintenance (2)
Music 260. Conducting (4)
Music 281. Advanced Voice Class (1)
Music 283. Class Guitar (1)
Music 392. Wind Instruments (1)
Music 393. Brass Instruments (1)
Music 394. String Instruments (1)
Music 396. Percussion Instruments (1)
- D. Lessons in major performance area—4 units
- E. Ensemble experience (chorus, orchestra, band, chamber music)—6 units
- F. Piano or other secondary instruments—2 units
- G. All candidates must demonstrate a minimal level of competency on the piano. A piano proficiency exam will be required of every graduating student.

** For additional credential requirements, including professional preparation, see page 401.

COURSE OFFERINGS IN MUSIC

Lower Division

- 100. INTRODUCING MUSIC (4).** The technique of listening to music. The elements of music, basic principles of continuity, and their realizations in large forms will be studied in music from all periods. Concert attendance and discussion will be an integral part of the course. F(d/e), W(d/e), S(d/e)
- 109. MUSICIANSHIP SKILLS * (1).** Intensive training in the traditional musicianship skills: sight-singing, rhythm, keyboard harmony, and melodic and rhythmic dictation. This course is meant to parallel work in Music 110-111-112 sequence. F(d), W(d), S(d/e)
- 110. MUSIC THEORY I (4).** An introduction to the basic theory of music with emphasis on materials derived from the common practice of the Classical period: the vocabulary of diatonic scales and modes, chords and their relationships, harmonic analysis, sight-singing, keyboard harmony, dictation, rhythmic drills, and other forms of instruction. F(d/e)
- 111. MUSIC THEORY II (4).** Detailed examination, in theoretical as well as applied contexts, of the interchangeability of the modes, secondary dominants, non-dominant harmony, and other basic altered-chord types characteristic of the common-practice period. *Prerequisite: Music 110.* W(d/e)
- 112. MUSIC THEORY III (4).** Enlargement and application of the vocabulary of chromatic and modulatory concepts as practiced in the late Classical and early Romantic periods. *Prerequisite: Music 111.* S(d/e)
- 150. SONGWRITING (4).*** Original songs created by students will be performed, discussed, and constructively criticized. Well known popular, show, country, rock, and R and B songs will be studied as models of melodic, harmonic, rhythmic, structural, and poetic composition. Discussion of notational techniques, copyright procedures.
- 181. CLASS VOICE (1).*** A small class for the study of literature and techniques of the solo song. *Two hours per week.* F(d/e), W(d/e), S(d/e)
- 190. EARLY INSTRUMENTS (1).* †** Study and repertory of some of the instruments of the early periods of music history. Elementary principles of playing the recorder, lute, viola da gamba, and harpsichord. *Two hours per week.* F(d), W(d), S(d)
- 191. CLASS PIANO (1).*** A study of the technique and literature of the piano conducted on a small class basis and using private lessons when appropriate. *Two hours per week. Primarily for music majors; others by consent of instructor.* F(d/e), W(d/e), S(d/e)

* Repeatable course.

† Quarterly instrument rental fee of \$5.

Upper Division

- 200. MASTERPIECES OF MUSIC (4).** A study of outstanding works in music of various types: classical, popular, folk, and jazz. *Prerequisite: Music 100 or its equivalent.* F(d)
- 209. ADVANCED MUSICIANSHIP SKILLS (1) *.** Intensive advanced training in the traditional musicianship skills: sightsinging, rhythm, melodic and rhythmic dictation, keyboard harmony. This course is meant to parallel work in the Music 210-211-212 sequence. F(d/e), W(d/e), S(d/e)
- 210. ADVANCED MUSIC THEORY I (4).** Acoustics as a basis of musical systems. Notation. Structuring of time in music of Western and non-Western cultures. Emphasis on rhythm and performance of time. *Prerequisite: Music 112.* F(d/e)
- 211. ADVANCED MUSIC THEORY II (4).** Structuring and perception of melody and its relationship to musical texture. Scales and other systems of linear organization in Western and non-Western cultures. Emphasis on melodic perception and performance. *Prerequisite: Music 210.* W(d/e)
- 212. ADVANCED MUSIC THEORY III (4).** Usage and perception of texture and structure. Harmony and simultaneity in Western and non-Western music. In-depth analysis of complete musical compositions. Musical analysis as an approach to performance. *Prerequisite: Music 210.* S(d)
- 213. COUNTERPOINT (4).** Counterpoint as a linear mode of compositional technique in Western music. Modal, tonal, and post-tonal practices. *Prerequisite: Music 112 or equivalent.* F(d)
- 214. INSTRUMENTATION (4).** An exploration of the acoustical and musical characteristics of all the major orchestral and band instruments. Combinations of instruments, both as families and mixed ensembles, will be examined and written for. *Prerequisite: Music 112 or equivalent.* W(d)
- 225. COMPOSITION AND ARRANGING: POPULAR AND JAZZ (4) *.** Composition and arranging for popular and jazz ensembles with an emphasis on contemporary styles. *Prerequisite: Music 112 or equivalent.*
- 230. MUSIC COPYING (3) *.** The art of musical calligraphy. Part making, scores, elements, and idiomatic expressions of music notation. *Prerequisite: Music 110.* F(d)
- 231. INSTRUMENT MAINTENANCE (2) *.** The care and maintenance of instruments from the four major families: strings, winds, brass, and percussion. Techniques for future teachers or repair persons for correction of minor injuries to instruments; techniques for good maintenance procedure. S(e)
- 233. MUSIC MANAGEMENT (3).** An examination of the music management system in the United States. Background aspects of concerts, publicity, programs, repertoire, methods of artist bookings, concert series, contractual arrangements, and performing rights. S(d)
- 256. MUSIC THEATRE WORKSHOP (4) *.** Study of roles and representative excerpts from opera, operetta, and musical comedy and the basic musical, dramatic, and language technique of the musical theater. Performance of excerpts and complete musical theatrical works. *Some previous theatre and/or voice training recommended.* W(d)

* Repeatable course.

- 260. CONDUCTING (4).** An introduction to the basic techniques of conducting both instrumental and choral groups. Emphasis on practical laboratory work. *Prerequisite:* Music 112 and 209 consent of instructor. S(d)
- 261. INDIVIDUAL LESSONS: CONDUCTING (1).** Individual instruction for advanced conducting students who are music majors. *Prerequisite:* Music 260, Music major or minor and consent of instructor. F(d/e), W(d/e), S(d/e)
- 265. SPECIAL STUDIES IN MUSIC (1, 2, 3, 4)*.** The detailed study of a composer, a genre, or a movement in the history of music. *Prerequisite:* Music 100 or consent of instructor.
- 281. ADVANCED VOICE CLASS (1).*** A continuation of Music 181. Advanced voice literature and techniques. *Prerequisite:* Music 181 or consent of the instructor. F(d), W(d), S(d)
- 283. CLASS GUITAR (1).*** An introduction to the principles of guitar playing and a survey of methods and literature. Music reading and fundamentals of rhythm. *Prerequisite:* Primarily for music majors; others by consent of instructor. F(e), W(e), S(e)
- 286. INDIVIDUAL LESSONS-COMPOSITION AND ARRANGING (1).*** A detailed approach to individual problems and projects in music composition and arranging. *Prerequisite:* Consent of instructor. F, W, S
- 287. INDIVIDUAL LESSONS-VOICE (1).*** Individual instruction in voice for advanced students who are music majors. *Prerequisite:* music major or minor and consent of instructor. F(d/e), W(d/e), S(d/e)
- 288. INDIVIDUAL LESSONS-WOODWINDS (1). †** Individual instruction for advanced students of woodwind instruments who are music majors. *Prerequisite:* music major or minor and consent of instructor. F(d/e), W(d/e), S(d/e)
- 289. INDIVIDUAL LESSONS-STRINGS (1). †** Individual instruction for advanced students of string instruments who are music majors. *Prerequisite:* music major or minor and consent of instructor. F(d/e), W(d/e), S(d/e)
- 290. INDIVIDUAL LESSONS-BRASS INSTRUMENTS (1). †** Individual instruction for advanced students of brass instruments who are music majors. *Prerequisite:* music major or minor and consent of instructor. F(d/e), W(d/e), S(d/e)
- 291. INDIVIDUAL LESSONS-KEYBOARD (1).*** Individual instruction for advanced students of piano, organ, or harpsichord who are music majors. Exploration of keyboard literature and methods of instruction. *Prerequisite:* music major or minor and consent of instructor. F(d/e), W(d/e), S(d/e)
- 297. INDIVIDUAL LESSONS: PERCUSSION (1)*.** Individual instruction for advanced students of percussion instruments who are music majors. *Prerequisite:* Music Major or minor and consent of instructor. F(d/e), W(d/e), S(d/e)
- 298. INDEPENDENT STUDY (1,2,3,4).*** *Prerequisites:* Consent of instructor and department chairperson. F, W, S
- 315. COMPOSITION AND ARRANGING: ART MUSIC (4).*** Composition and arranging of art music utilizing a variety of resources, from traditional instruments and voice to new instruments, electronics and computer. *Prerequisite:* Music 214 or consent of instructor.

† Quarterly instrument rental fee of \$5.

* Repeatable course.

- 316. MEDIEVAL AND RENAISSANCE MUSIC (4).** An exploration of the development of music from the medieval period to Renaissance. Study of styles of music to uncover the various musical, aesthetic, and social determinants underlying the musical literature. *Prerequisite: Senior standing or consent of instructor.* F(d)
- 317. BAROQUE AND CLASSICAL MUSIC (4).** A continuation of Music 316. *Prerequisite: Music 316 or consent of instructor.* W(d)
- 318. ROMANTIC AND EARLY MODERN MUSIC (4).** A continuation of Music 317. *Prerequisite: Music 317 or consent of instructor.* S(d)
- 350. AMERICAN MUSIC (4).** An examination of selected works in American music from colonial times to the present, concentrating on the emergence of several important styles and composers in the twentieth century and their relationship to American society. W(d)
- 352. AFRO-AMERICAN MUSIC (4).** The influence of African and Afro-American musical ideas on the culture of America and the world moving from folk material through the development of jazz and its subsequent influence on both the popular and the symphonic worlds in the twentieth century. F(e)
- 369. THE TECHNIQUES OF SOUND RECORDING (4).** Basic design, operation and maintenance of a recording studio. Selection and placement of microphones and speakers; operation of two-, four- and eight-track tape machines; use of multi-function mixing board, equalization, editing. Field trips to off-campus recording studios. *Concurrent enrollment in 369L recommended.*
- 369L. SOUND RECORDING LABORATORY (1).*** Actual experience in the production of professional-quality multi-track recordings. *Prerequisite: Previous or concurrent enrollment in Music 369.*
- 370. TWENTIETH CENTURY COMPOSERS: THEIR WRITINGS AND THEIR MUSIC (4).** An interdisciplinary course examining some of the outstanding music and documents of twentieth century composers (such as the books of Stravinsky, Schonberg, Bartok, and Ives) to increase understanding of their ideas and music. *Prerequisite: Music 100 or equivalent or consent of instructor.* S(d)
- 371. ELECTRONIC MUSIC (4).*** An introduction to the language, technique, equipment and literature of electronic music, including operation and theory of synthesizers such as ARP, Moog, EMu, etc., in rock music, art music, and in audio recording processing. *Concurrent enrollment in Music 371L recommended.*
- 371L. ELECTRONIC MUSIC LABORATORY (1).*** Actual experience in the operation of music synthesizers. *Prerequisite: Previous or concurrent enrollment in Music 371.*
- 373. ADVANCED ELECTRONIC MUSIC AND RECORDING (4).** Continuation of Music 369 and Music 371. Theory and application of more advanced equipment and techniques, including 16-track, noise reduction, synthesizer programming. Computer generation of music as an optional topic. *Concurrent enrollment in Music 369L and 371L recommended. Prerequisites: Music 369 and 371 or consent of instructor.*
- 375. UNIVERSITY ORCHESTRA (1).*** Study, rehearsal, and performance in concert of music from representative periods. *Three hours per week. Prerequisite: Ability to perform on an appropriate instrument.* F(d/e), W(d/e), S(d/e)
- 380. UNIVERSITY CHORALE (1).*** Performance of the outstanding choral literature of all periods. *Three hours per week.* F(d), W(d), S(d)
- 385. UNIVERSITY BAND (1).*** Rehearsal and performance of band music. F(d), W(d), S(d)

* Repeatable course.

392. **WIND INSTRUMENTS (1).** † Introduction to the principles and literature of wind instruments with emphasis on skills necessary for future teachers of instrumental ensembles. F(e)
393. **BRASS INSTRUMENTS (1).** † Introduction to the principles and literature of brass instruments with emphasis on skills necessary for future teachers of instrumental ensembles. S(d)
394. **STRING INSTRUMENTS (1).** † Introduction to the principles and literature of string instruments, with emphasis on skills necessary for future teachers of instrumental ensembles. W(d)
395. **CHAMBER MUSIC (1).*** Performance and coaching in chamber music literature from a wide variety of periods and styles. Topics may vary by section and quarter; representative topics: 18th and 19th Century Chamber Music; Chamber Singers; New Music Ensemble; Victoria Street Ragtime Band; Jazz Ensemble, etc. F(d), W(d), S(d)
396. **PERCUSSION INSTRUMENTS (1).*** Introduction to the principles and literature of percussion instruments with emphasis on skills necessary for future teachers of instrumental ensembles. S(e)

* Repeatable course.

NATURAL SCIENCES AND MATHEMATICS

Certain courses, within the School of Natural Sciences and Mathematics, which do not fall within particular departments are listed under the heading Natural Sciences and Mathematics.

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN PHYSICAL SCIENCE

Lower Division

- Biological Science 110-112-114. Principles of Biology (12)
- Chemistry 110-112-114. General Chemistry (15)
- Computer Science 160. Computer Programming in FORTRAN (4)
- Mathematics 110-112-114. Differential and Integral Calculus I, II, III, (12)
- EMS 150. General Geology (4)
- EMS 152. Historical Geology (4)
- Physics 110-112-114-116. General Physics (16)
- Physics 160. Elementary Astronomy (4)

Upper Division

- Chemistry 216. Introductory Organic Chemistry (4), *and*
 - Chemistry 217. Introductory Organic Chemistry Lab (2), *or*
 - Chemistry 210. Organic Chemistry I (4), *and*
 - Chemistry 211. Organic Chemistry Lab I (1)
 - Chemistry 220. Physical Chemistry I (4), *or*
 - Chemistry 224. Physical Chemistry III (4)
 - Chemistry 231. Advanced Integrated Laboratory I (3)
 - EMS 256. Mineralogy (4)
 - NSM 290. Seminar in the Foundations of Natural Science (4)
 - Physics 202. Experimental Methods (1)
 - Physics 210. Theoretical Mechanics (4)
 - Physics 216. Introductory Modern Physics (4)
 - Physics 220. Physical Optics I (2)
 - Physics 230. Electromagnetics (4)
 - Physics 231. Electronics Laboratory I (2)
- Eight units of the following:*
- Chemistry 250. Biochemistry (5)
 - Chemistry 270. General Oceanography: Physical and Chemical (4)
 - Chemistry 272. Marine Chemistry (4)
 - Chemistry 274. Geochemistry (4)
 - Geography 215. Weather (4), *or*
 - Geography 286. Structural Geology (4)
 - EMS 258. Igneous and Metamorphic Petrology (4)
 - EMS 266. Stratigraphy and Sedimentary Petrology (4)
 - Physics 252. Geophysics (4)
 - Physics 256. Astrophysics (4)

COURSE OFFERINGS

Upper Division

- 240. ENERGY TECHNOLOGIES (4).** Basic concepts in science and engineering as they pertain to energy; current and future energy conversion technologies; alternative energy sources. *Prerequisite: Chemistry 102 or Physics 101 (Energy and Environment).*
- 290. SEMINAR IN THE FOUNDATIONS OF NATURAL SCIENCE (4).** A study of the nature of science and relationships between science and other fields of human endeavor. *Prerequisite: Senior standing or consent of instructor.*

THE NATURE OF SCIENCE

(School of Natural Sciences and Mathematics)

Members of the Nature of Science Committee:

Chairperson: Danette Dobyms, Ph.D., Professor (Chemistry)

Professor: William Gould, Ph.D. (Mathematics)

Associate Professors: Michael Daugherty, Ph.D. (Physics), Oliver Seely, Ph.D. (Chemistry)

Assistant Professors: Thomas Pyne, Ph.D. (Philosophy)

The minor in the nature of science is designed to assist the student in developing a better understanding of one of the most complex and pervasive forces in modern life—science. Essential components of such an understanding are: 1) an awareness of the cultural and historical context within which modern science developed, 2) an awareness of the complex and dynamic interactions between modern science and contemporary society, and 3) an awareness of relationships between science and other modes of thought.

REQUIREMENTS FOR THE MINOR IN THE NATURE OF SCIENCE

The minor in the Nature of Science is available to all students. It is an interdisciplinary program, drawing on biology, chemistry, history, mathematics, philosophy, and physics, as presented in courses which are fundamental to broad areas of science and man. The seminar assists the student in combining the views of these disciplines into a coherent, holistic framework.

A total of 24 units is required, four of which may be lower division.

Required Courses

A. *Five* courses selected from the following:

+ Biological Science 236: Environmental Biology (4), *or*

Biological Science 270: Biological Bases of Human Behavior (4)

Chemistry 286: American Science and Technology (4)

History 221: Science, Technology, and Society since 1500 (4)

Mathematics 190: History of Mathematics (4)

+ Mathematics 236: Mathematical Logic I (4), *or*

Philosophy 240: Symbolic Logic (4)

Philosophy 230: The Nature of Scientific and Humanistic Inquiry (4), *or*

Philosophy 252: Philosophy of Natural Science (4)

Physics 206: Modern Physics: Its Impact on Twentieth Century Thought (4)

B. NSM 290: Seminar in the Foundations of Natural Science (4)

+ Consult course description for prerequisite.



PHILOSOPHY

(School of Humanities and Fine Arts)

Chairperson: Donald F. Lewis, Ph.D., Professor

Professors: Charles Fay, Ph.D.; William M. Hagan, S.T.D.; Eiichi Shimomisse, Ph.D.

Associate Professors: John J. LaCorte, Ph.D.; James F. Liotta, Ph.D.

Assistant Professor: Thomas F. Pyne, Ph.D.

The program offers a curriculum that leads to the Bachelor of Arts degree with either a major or a minor in philosophy. It deals with perennial issues in the history of philosophy and with a variety of philosophic schools and methods. This provides a background for dealing with contemporary problems and values for the future. An effort is made to synthesize theory and practice and to individualize programs of study as well as to impart some of the discipline of philosophic inquiry. Philosophy is related on the one hand to other academic disciplines, for instance art, science and history, and on the other hand to applied or practical concerns ranging from ecology, politics, economics, and to the individual's quest for self-realization.

REQUIREMENTS FOR THE MAJOR IN PHILOSOPHY

A total of 36 units in Philosophy is required for the major.

Upper Division

- A. *Twelve* units in the History of Philosophy:
 - Philosophy 211. Presocratics, Socrates, Plato, Aristotle (4)
 - Philosophy 212. Descartes to Kant (4)
 - Philosophy 213. Hegel to Nietzsche (4)
- B. *Twenty* additional upper division units in Philosophy selected upon advisement.

Students are urged to consult a departmental adviser at the beginning of the junior year to select the most appropriate courses for individual objectives.
- C. Philosophy 395. Seminar in Philosophy (4)

REQUIREMENTS FOR THE MINOR IN PHILOSOPHY

The minor in Philosophy is available for students majoring in other fields. The 24-unit program includes courses that may be of particular value for students with majors such as Business, Political Science, Economics, Natural and Behavioral Sciences and Fine or Applied Arts, etc.

Upper Division

Twenty-four upper division units in Philosophy, to be selected upon advisement.

COURSE OFFERINGS IN PHILOSOPHY

Lower Division

- 100. INTRODUCTION TO PHILOSOPHY (4).** Basic problems and methods in philosophy. *For both majors and non-majors.* F(d), W(d)
- 101. VALUES AND SOCIETY (4).** A philosophical study of values and their implications for sociological, psychological, ecological, political, economic, and historical problems, and conflicts of our society. F(d/e), W(d/e), S(d/e)
- 102. HUMANITY, NATURE AND GOD (4).** An exploration of the relationship between humanity and the universe in light of scientific, religious, and philosophic literature. F(d/e), W(d/e), S(d/e)
- 104. PHILOSOPHY AND CULTURE IN THE NON-WESTERN WORLD (4).*** Philosophical thought of those non-Western societies which contribute to subcultures in the United States today. Focus on Afro-American, Chicano, and Asian-American, etc., to be specified in class schedule. W(d)
- 120. BASIC LOGIC (4).** An introduction to the elements of logic and semantics for more effective and successful communication. Basic principles underlying clear and systematic thinking, and methods of identifying the primary fallacies found in ordinary discourse. F(d/e), W(d/e), S(d/e)
- 121. BASIC LOGIC II (4).** Continuation of Basic Logic. Further study of logical concepts and principles. A unique method for showing the validity or invalidity of arguments will be discussed. S(d)

Upper Division

- 207. DEATH, DYING AND BEYOND (4).** Philosophical and religious inquiry into thanatology including the meaning and inter-relationships of life, death and immortality. Included are considerations of the transitions of life-awareness brought about through the process of mourning. F(e), S(d)
- 211. PRESOCRATICS, SOCRATES, PLATO, ARISTOTLE (4).** Philosophical foundations of Western civilization in ancient Greek philosophy. F(d), S(e)
- 212. DESCARTES TO KANT (4).** Western thought as manifest through the evolution of the philosophical systems of Rationalism, Empiricism and Critical Philosophy. F(e), W(d)
- 213. HEGEL TO NIETZSCHE (4).** 19th century European philosophy focusing upon the works of Hegel, Kierkegaard, Marx and Nietzsche. W(e), S(d)
- 215. ETHICS (4).** A critical examination of the nature of "good" and of moral obligation, the problem of evil, and other perennial questions in moral and ethical thinking. F(d), S(e)
- 217. VALUES AND THE FUTURE (4).** Moral problems originating in technological changes emerging during the last decades of the twentieth century. F(d), S(e)
- 218. PHILOSOPHY OF LOVE AND SEX (4).** A philosophical inquiry into the nature and varieties of love and of sex, their significance in all human relationships, and their implications in traditional marriage and its alternatives. F(d), W(e), S(d)
- 219. BUSINESS ETHICS (4).** A critical analysis of the goals and means of business activities, their validity, their limits, their moral implications, and their relation to the humanistic ideals of the society. W(d)

* Repeatable course.

220. **PHILOSOPHY OF ART (4)**. An examination of the beliefs about art, the concepts used in thinking and talking about art, and the judgments made in critically evaluating works of art. Among topics to be considered: artistic creation, aesthetic experience, the work of art, criticism and evaluation. F(d), S(e)
225. **PHILOSOPHY IN LITERATURE (4)**.* Philosophical analysis of some central philosophical themes and ideas as expressed in works of literature; e.g., illusion and reality, the nature of man, freedom, responsibility, and the nature of value. F(d), W(d), S(e)
230. **HUMANISTIC AND SCIENTIFIC INQUIRY (4)**. An exploration of major questions in the philosophy of science and in the relationships between the sciences and the humanities. F(d)
231. **SOCIAL AND POLITICAL PHILOSOPHY (4)**.* Historical and contemporary theories on the scope and legitimacy of political authority. Selected themes include various contract theories of the state, contrasts between rights of individuals and rights of states, etc. Exact topic to be specified in class schedule. F(d)
232. **PHILOSOPHY OF LAW (4)**. A critical investigation of the philosophical foundations of law in respect to the nature of law (e.g., the concept of "natural law" and its relation to "positive law"), the relationship between law and morality, and such basic legal concepts as justice, penalty, and responsibility. F(d)
240. **SYMBOLIC LOGIC (4)**. Principles of symbolic logic and the standard notations and methods used in determining the validity and invalidity of arguments. S(d)
243. **PHILOSOPHY OF THE OCCULT AND MANTIC ARTS (4)**. A survey of the methods of investigation and the philosophic and scientific implications of the occult and mantic or divinatory arts, including parapsychology, astrology, numerology, and tarot. W(d)
245. **METAPHYSICS (4)**. A study of traditional systematic approaches in Occidental philosophy to such key concepts as substance, matter, causality, space and time, which underlie our comprehension of being. F(d), S(e)
250. **THEORY OF KNOWLEDGE (4)**. An examination of the nature, conditions, range, and limits of human knowledge. W(d)
252. **PHILOSOPHY OF SCIENCE (4)**.* Foundations of the natural and social sciences. The nature, aim, validity and limits of knowledge in these special sciences; methodology and theory formation. Exact topic to be specified in class schedule. W(d)
255. **AMERICAN PHILOSOPHY (4)**. Historical survey of American philosophy including analyses of American idealism, pragmatism, and critical realism. W(e)
260. **CONTEMPORARY EUROPEAN PHILOSOPHY (4)**.* Contemporary European philosophy, including Structuralism, Phenomenology, Existentialism, Neo-Marxism, and the philosophical implications of Freud's thought. Exact topic to be specified in class schedule. S(d)
271. **ANALYTIC PHILOSOPHY (4)**. An examination of selected topics and philosophers in contemporary Anglo-American analytic tradition, including philosophers such as Frege, Russell, Wittgenstein, Moore, Carnap, Quine and Austin. W(d)
272. **PHILOSOPHICAL DIMENSIONS OF PARAPSYCHOLOGY (4)**. An inquiry into the various questions generated by recent progress in psychical research: The implications of telepathy, clairvoyance, psychokinesis and precognition regarding our traditional understanding of the self, time and causality will be among the topics discussed. W(e), S(d)

* Repeatable course.

273. **SELF (4).*** Philosophical exploration into the understanding of self which underlies behavioral sciences and creative activities. Identity of self, growth, and historicity intersubjectivity and its moral, judicial, and clinical implications are investigated. W(e), S(d)
278. **MORAL ISSUES IN MEDICINE (4).** Application of ethical theories to moral issues in medicine. Topics include euthanasia, abortion, sex change, psychosurgery and behavior modification, informed consent, confidentiality, the right to suicide, eugenics, and allocation of scarce medical resources. F(e), S(d)
279. **CONTEMPORARY MORAL ISSUES (4).** An analysis from contemporary and traditional moral perspectives of such topical issues as war, euthanasia, abortion, "victimless crimes," and sexual promiscuity. F(d), S(e)
280. **PHILOSOPHY OF RELIGION (4).** A philosophical analysis of the nature of religion: fundamental concepts of God, the theistic proofs, evil, religious experience, and miracles; a consideration of religious language. F(d), W(d), S(e)
282. **INTERPRETING THE BIBLE (4).** The Bible in light of modern scholarship; principles and methods of its interpretation. Emphasis is given to the Pentateuch, that is, the first five books, as well as the Gospels and other key portions for their philosophical and theological views. F(d), S(e)
283. **WORLD RELIGIONS (4).** A comparative study of the religions of the world; their rituals, the significance in their civilizations, and their philosophical implications. S(d)
285. **PHILOSOPHIES OF INDIA AND BUDDHISM (4).** Study of Indian philosophies from the Rig-Veda through classical philosophical thought, with special emphasis on Buddhism and its further development in East Asia. F(e)
286. **PHILOSOPHIES OF CHINA AND JAPAN (4).** Study of the nature and main trends of Chinese and Japanese philosophies. S(d)
289. **MEDITATION (4).*** Nature, value and practice of various forms of meditation. Students to develop their own systems with guidance of experienced meditator. Topic specified in class schedule. W(d)
293. **SPECIAL TOPICS (4).*** An intensive study of a concept, movement or individual in Philosophy or Religion. Exact topic to be specified in class schedule. W(d)
321. **TEACHING PHILOSOPHY TO PRE-COLLEGE STUDENTS (4).*** Prepares current and perspective teachers for teaching philosophy, emphasizing critical thinking, creative imagination, open-mindedness, the significance of morality and value in general. Exact area of instruction to be specified in class schedule. *Prerequisite: Philosophy 100 or 120, or equivalent, or consent or instructor.*
395. **SEMINAR IN PHILOSOPHY (4).*** A critical analysis and interpretation of a major philosophical system or issue in respect to its presuppositions, task, method, problems, and solutions. W(d), S(e)
397. **DIRECTED RESEARCH (4).*** Small, informal group study of a particular philosophical problem or of the works of one philosopher or philosophical school. *Prerequisite: Consent of instructor and department chairperson.*
398. **INDEPENDENT STUDY (1,2,3,4).*** A particular philosophical problem, individually or as a team or group, under the direction of a faculty member. *Prerequisite: Consent of the instructor and the department chairperson.*

* Repeatable course.

PHYSICAL EDUCATION

(School of Education)

Chairperson and Athletic Director: Robert A. Pestolesi, Ph.D., Professor

Professor: John L. Johnson, Ed.D.; James R. Poole, Ed.D.

Assistant Professor: Marianne Frank, M.A.

Coach: Robert L. Bafia, B.A.; Susan A. Carberry, M.A.; David Yanai, B.A.

The Department of Physical Education and Recreation offers programs designed to (1) meet professional needs of prospective physical education teachers; (2) prepare students for alternate careers in sports management, promotion, and commercial physical education; and (3) provide desirable programs in intercollegiate sports, intramurals, and recreational activities.

The Department of Physical Education and Recreation offers a curriculum leading to a Bachelor of Arts degree with a major in either Physical Education or Recreation. In addition, minors are offered in both areas. The Recreation area (major and minor) is located in the catalog on page 323. Students majoring in Physical Education may minor in Recreation, or a Physical Education minor may be used with a major in Recreation. It is also possible to have a double major in Physical Education and Recreation.

REQUIREMENTS FOR THE MAJOR IN PHYSICAL EDUCATION— TEACHING OPTION

Lower Division

Prerequisites to upper division standing in this major are the following courses which may, where allowed, also be used to meet General Education requirements:

- + Biological Science 150. Human Anatomy and Physiology (4)
- + Biological Science 151. Human Anatomy and Physiology Laboratory (2)
- Physical Education 118. First Aid and Cardiopulmonary Resuscitation (CPR) (4)
- Physical Education 123. The Physical Education Profession (2)
- Physical Education 136. Sports in American Life (2)

Take *all* the courses in the following list: (This series must be completed with a minimum of 2.75 G.P.A.)

- Physical Education 140. Fundamentals of Golf and Tennis (2)
- Physical Education 141. Fundamentals of Badminton and Volleyball (2)
- Physical Education 142. Fundamentals of Basketball and Softball (2)
- Physical Education 143. Fundamentals of Swimming and Track (2)
- Physical Education 144. Fundamentals of Soccer and Football (2)
- Physical Education 145. Fundamentals of Combatives and Gymnastics (2)
- Physical Education 146. Fundamentals of Dance (2)
- Physical Education 147. Fundamentals of Conditioning (2)

Select *one* additional course from the following:

- Physical Education 160. Officiating Fall Sports (Football, Basketball, Soccer) (4)
- Physical Education 161. Officiating Spring Sports (Baseball, Softball, Volleyball, Track) (4)

Upper Division**A. Required Courses:**

- +Physical Education 201. Kinesiology (4)
- +Physical Education 203. Physiology of Exercise (4)
- Physical Education 204. Adapted Physical Education for the Handicapped (4)
- Physical Education 205. Motor Learning (4)
- Physical Education 220. History and Philosophy of Physical Education (4)
- Physical Education 222. Administration of Physical Education (4)
- Physical Education 225. Movement Education for Children (2)
- Physical Education 226. Personnel Development in Physical Education and Athletics (4)
- Physical Education 248. Organization and Conduct of Physical Education Classes (4)
- +Physical Education 260. Prevention and Treatment of Athletic Injuries (4)
- Physical Education 285. Tests and Measurements in Physical Education (4)

B. Select two additional courses (4 units) from the following list:

- Physical Education 270. Advanced Techniques and Coaching/Football (2)
- Physical Education 271. Advanced Techniques and Coaching/Basketball (2)
- Physical Education 272. Advanced Techniques and Coaching/Baseball and Softball (2)
- Physical Education 273. Advanced Techniques and Coaching/Track and Field (2)

REQUIREMENTS FOR THE MAJOR IN PHYSICAL EDUCATION—NON-TEACHING OPTION**Lower Division**

Prerequisites to upper division standing in this major are the following courses which may, where allowed, also be used to meet General Education requirements:

- +Biological Science 150. Human Anatomy and Physiology (4)
- +Biological Science 151. Human Anatomy and Physiology Laboratory (2)
- Physical Education 118. First Aid and Cardiopulmonary Resuscitation (CPR) (4)
- Physical Education 123. The Physical Education Profession (2)
- Physical Education 136. Sports in American Life (2)

Select *four* additional courses (8 units) from the following:

- Physical Education 140. Fundamentals of Golf and Tennis (2)
- Physical Education 141. Fundamentals of Badminton and Volleyball (2)
- Physical Education 142. Fundamentals of Basketball and Softball (2)
- Physical Education 143. Fundamentals of Swimming and Track (2)
- Physical Education 144. Fundamentals of Soccer and Football (2)
- Physical Education 145. Fundamentals of Combatives and Gymnastics (2)
- Physical Education 146. Fundamentals of Dance (2)
- Physical Education 147. Fundamentals of Conditioning (2)

Select *two* additional courses (or other comparative courses) with consent of advisor from the following:

- Economics 110. Economic Theory I-A (4)
- Business Administration 130. Essentials of Accounting I (4)
- Business Administration 170. Introduction to Computers and Data Processing (4)

(Continued on the following page)

- Art 165. Graphics Media (3)
- Art 170. Art Structure I (4)
- Communications 100. Introduction to Newswriting and Reporting (4)
- Communications 150. Introduction to Communications (4)

Upper Division

A. Required Courses:

- + Physical Education 201. Kinesiology (4)
- + Physical Education 203. Physiology of Exercise (4)
- Physical Education 220. History and Philosophy of Physical Education (4)
- Physical Education 222. Administration of Physical Education (4)
- Physical Education 226. Personnel Development in Physical Education and Athletics (4)
- Physical Education 260. Prevention and Treatment of Athletic Injuries (4)

B. Select *two* additional courses from the following:

- Physical Education 270. Advanced Techniques and Coaching/Football (2)
- Physical Education 271. Advanced Techniques and Coaching/Basketball (2)
- Physical Education 272. Advanced Techniques and Coaching/Baseball and Softball (2)
- Physical Education 273. Advanced Techniques and Coaching/Track and Field (2)

C. Select *four* upper division courses in one or more of the following areas (with approval of advisor): Art, Business Administration, Communications, Economics, or Recreation.

REQUIREMENTS FOR THE MINOR IN PHYSICAL EDUCATION— COACHING OPTION

Prerequisites

Prerequisite to upper division standing in this minor are the following courses which may, where allowed, also be used to meet General Education requirements:

- + Biological Science 150. Human Anatomy and Physiology (4)
 - + Biological Science 151. Human Anatomy and Physiology Laboratory (2)
 - Physical Education 118. First Aid and Cardiopulmonary Resuscitation (CPR) (4)
- Select *two* from the following:

- Physical Education 140. Fundamentals of Tennis and Golf (2)
- Physical Education 141. Fundamentals of Badminton and Volleyball (2)
- Physical Education 142. Fundamentals of Basketball and Softball (2)
- Physical Education 143. Fundamentals of Swimming and Track (2)
- Physical Education 144. Fundamentals of Soccer and Flag Football (2)
- Physical Education 145. Fundamentals of Combatives and Gymnastics (2)
- Physical Education 146. Fundamentals of Dance (2)
- Physical Education 147. Fundamentals of Conditioning (2)

Select *one* additional course from the following:

- Physical Education 160. Officiating Fall Sports (Football, Basketball, Soccer) (4)
- Physical Education 161. Officiating Spring Sports (Baseball, Softball, Volleyball, Track) (4)

+ Consult course description for prerequisite.

Upper Division

Required Courses

A. Required Courses:

- + Physical Education 201. Kinesiology (4)
- + Physical Education 203. Physiology of Exercise (4)
- Physical Education 222. Administration of Physical Education (4)
- Physical Education 226. Personnel Development in Physical Education and Athletics (4)
- + Physical Education 260. Prevention and Treatment of Athletic Injuries (4)
- + Physical Education 298. Field Studies in Physical Education (2)

B. Select *one* additional course from the following list:

- Physical Education 270. Advanced Techniques and Coaching/Football (2)
- Physical Education 271. Advanced Techniques and Coaching/Basketball (2)
- Physical Education 272. Advanced Techniques and Coaching/Baseball and Softball (2)
- Physical Education 273. Advanced Techniques and Coaching/Track and Field (2)

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN PHYSICAL EDUCATION

The teaching major is the same as the major in Physical Education—Teaching Option. A minor in Physical Education will require additional coursework to satisfy the Single Subject teaching major.

COURSE OFFERINGS

Lower Division

- 118. FIRST AID AND CARDIOPULMONARY RESUSCITATION (CPR) (4).** Encouragement of good safety attitudes. Preparation for administering first aid and prevention of accidents and injuries. Instruction in obtaining treatment for common injuries and use of lifesaving skills. F(d), W(d), S(d)
- 123. THE PHYSICAL EDUCATION PROFESSION (2).** An overview of the physical education profession including intramural sports programs, employment opportunities, and characteristics of the profession. Emphasis will be on a theoretical and practical perspective. F(d), S(d)
- 131. LIFETIME SPORTS (1).†*** Instruction and participation in the following lifetime sports: archery/coed, badminton/coed, baseball/men, basketball/coed, bowling/coed, dance/coed, fencing/coed, figure control/women, golf/coed, physical conditioning/men, self defense/coed, swimming/coed, tennis/coed, and volleyball/coed. *Two hours of activity per week plus outside assignments.* F(d), W(d), S(d)
- 132. SPORTS APPRECIATION (2).** Knowledge, appreciation, and understanding of the role of intelligent spectatorship toward competitive sports. F(d), W(d), S(d)
- 133. LIFETIME SPORTS (1).*** Participation in competitive intramural activities. Enrollment open to all students. Tournaments will be conducted in basketball, badminton, table tennis, tennis, volleyball, swimming, and additional activities based on student interest. (F(d), W(d), S(d)). Two hours of activity per week.

+ Consult course description for prerequisite.

† Quarterly equipment/facilities fee of \$10 for participation in bowling and golf.

* Repeatable course.

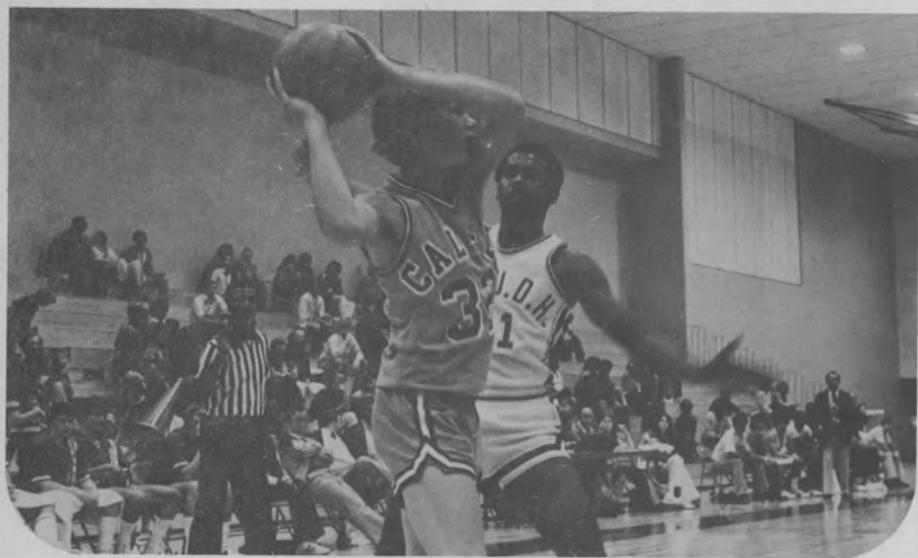
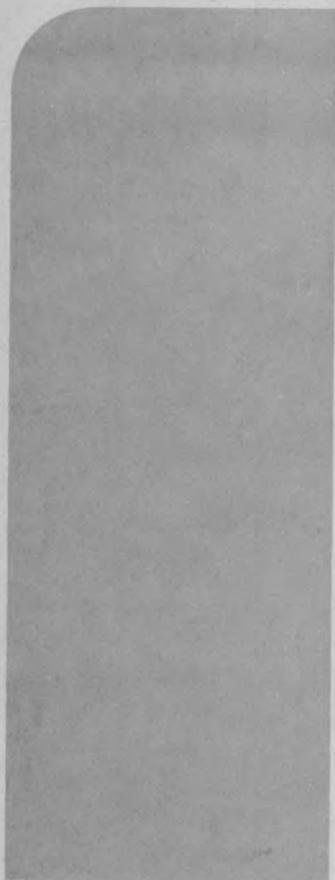
136. **SPORTS IN AMERICAN LIFE (2)**. Interrelationships of sports in American life emphasizing socio-cultural variables, changing patterns, current problems and trends. W(d)
140. **FUNDAMENTALS OF GOLF AND TENNIS (2)**. Fundamentals of the techniques of Golf and Tennis with emphasis on strategy and offensive and defensive maneuvers. *One hour of lecture and two hours of laboratory per week.* F(d)
141. **FUNDAMENTALS OF BADMINTON AND VOLLEYBALL (2)**. Fundamentals of the techniques of Badminton and Volleyball with emphasis on strategy and offensive and defensive maneuvers. *One hour of lecture and two hours of laboratory per week.* F(d)
142. **FUNDAMENTALS OF BASKETBALL AND SOFTBALL (2)**. Fundamentals of the techniques of Basketball and Softball with emphasis on strategy and offensive and defensive maneuvers. *One hour of lecture and two hours of laboratory per week.* W(d)
143. **FUNDAMENTALS OF SWIMMING AND TRACK & FIELD (2)**. Fundamentals of the techniques of Swimming and Track & Field with emphasis on strategy and offensive and defensive maneuvers. *One hour of lecture and two hours of laboratory per week.* S(d)
144. **FUNDAMENTALS OF SOCCER AND FLAG FOOTBALL (2)**. Fundamentals of the techniques of Soccer and Flag Football with emphasis on strategy and offensive and defensive maneuvers. *One hour of lecture and two hours of laboratory per week.* W(d)
145. **FUNDAMENTALS OF COMBATIVES AND GYMNASTICS (2)**. Fundamentals of the techniques of combatives and gymnastics with emphasis on strategy and offensive and defensive maneuvers. *One hour of lecture and two hours of laboratory per week.* S(d)
146. **FUNDAMENTALS OF DANCE (2)**. Fundamentals of the techniques of dance with emphasis on modern, jazz, ballet, and folk dancing. *One hour of lecture and two hours of laboratory per week.* F(d)
147. **FUNDAMENTALS OF CONDITIONING (2)**. Fundamentals of the techniques of physical conditioning with emphasis on aerobics and weight training. *One hour of lecture and two hours of laboratory per week.* W(d)
150. **INTERCOLLEGIATE ATHLETICS (2)**. Instruction and participation in selected major team sports such as basketball (men and women), baseball (men), and volleyball (women) that comprise the intercollegiate athletic programs. F(d), W(d), S(d)
151. **INTERCOLLEGIATE ATHLETICS (2)**. Instruction and participation in selected minor individual and team sports that comprise the intercollegiate athletic programs. F(d), W(d), S(d)
160. **TECHNIQUES OF OFFICIATING FALL SPORTS (4)**. Lectures, discussion, demonstrations, and practice in officiating men's and women's sports for the Fall sports of football, basketball, and soccer. F(d)
161. **TECHNIQUES OF OFFICIATING SPRING SPORTS (4)**. Lectures, discussions, demonstrations, and practice in officiating men's and women's sports for the Spring sports of baseball/softball, track and field, and volleyball. S(d)

Upper Division

- 201. KINESIOLOGY (4).** Analysis of human movement and motor performance emphasizing the effects of internal (neuromuscular and skeletal) and environmental variables. *Prerequisites: Biological Science 150, and 151.* F(d)
- 202. BIOMECHANICS OF HUMAN MOVEMENT (4).** Study of human motion with emphasis on following areas: forms of motion, linear and angular kinematics, linear and angular kinetics, and fluid mechanics. *Prerequisite: Physical Education 201.* S(d)
- 203. PHYSIOLOGY OF EXERCISE (4).** Examination of the adaptations and alternations of human physiology that facilitate locomotion, the chronic effects of physical activity, and sedentary habits. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 150 and 151.* W(d)
- 204. ADAPTED PHYSICAL EDUCATION FOR THE HANDICAPPED (4).** Study of prevalent disabilities, with implications for program development, organization, administration, and evaluation of adapted physical education at elementary and secondary levels. Includes field trips to exemplary programs. *Prerequisite: Physical Education 201.* F(d)
- 205. MOTOR LEARNING (4).** Study of the nature, bases, and characteristics of human movement and learning of motor skills. The importance and significance of factors affecting the learning process and motor development. S(d)
- 220. HISTORY AND PHILOSOPHY OF PHYSICAL EDUCATION (4).** A historical study of changes in philosophy and practice in physical education, with emphasis on the identification of trends, issues, and problems of the past which help to illuminate present development. F(d)
- 222. ADMINISTRATION OF PHYSICAL EDUCATION (4).** A study and critical analysis of the underlying philosophy and principles of administrative theory and practice. Includes the legal aspects on the national, state, and local levels. Establishes policies and procedures for the administration of sound programs of physical education as related to the total educational program in schools, colleges, and universities. Treats the inter-relationships between segments of education and the community. W(d)
- 225. MOVEMENT EDUCATION FOR CHILDREN (2).** Physical Education in the elementary schools, program organization and activities, including movement exploration, basic dance skills, and singing games. *One hour of lecture and two hours of laboratory per week.* S(d)
- 226. PERSONNEL DEVELOPMENT IN PHYSICAL EDUCATION AND ATHLETICS (4).** An examination of the personnel problems in physical education and athletics, including communication, discipline, and team dynamics. S(d)
- 248. ORGANIZATION AND CONDUCT OF PHYSICAL EDUCATION CLASSES (4).** Designed to provide students with an overview of current procedures, theories and attitudes in physical education classes taught in elementary and secondary schools. F(d), S(d)
- 260. PREVENTION AND TREATMENT OF ATHLETIC INJURIES (4).** Prevention, examination, and care of athletic injuries, methods of taping, bandaging, and therapeutic exercises applied to athletic injuries; diets; training room equipment, protective devices, and supplies. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 150 and 151.* F(d), S(d)
- 270. ADVANCED TECHNIQUES AND COACHING/FOOTBALL (2).** Advanced techniques of football skills with additional emphasis on strategy and offensive and defensive maneuvers. Organization of program also includes scouting, recruiting, scheduling, purchase of equipment, etc. F(d)

271. **ADVANCED TECHNIQUES AND COACHING/BASKETBALL (2).** Advanced techniques of basketball skills with additional emphasis on strategy and offensive and defensive maneuvers. Organization of program also includes scouting, recruiting, scheduling, purchase of equipment, etc. F(d)
272. **ADVANCED TECHNIQUES AND COACHING/BASEBALL AND SOFTBALL (2).** Advanced techniques of baseball and softball skills with additional emphasis on strategy and offensive and defensive maneuvers. Organization of program also includes scouting, recruiting, scheduling, purchase of equipment, etc. F(d)
273. **ADVANCED TECHNIQUES AND COACHING/TRACK AND FIELD (2).** Advanced techniques of track and field skills with additional emphasis on strategy and offensive and defensive maneuvers. Organization of program also includes scouting, recruiting, scheduling, purchase of equipment, etc. S(d)
285. **TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (4).** Analysis, evaluation, interpretation, and use of tests and other measurement devices in physical education; application of statistical procedures and experimental design. W(d)
290. **SENIOR SEMINAR IN PHYSICAL EDUCATION (4).** An integrative seminar designed to approach selected problems from the perspective of the sociological aspects of physical education. Intensive study of selected topics. *Prerequisite: Senior standing or consent of instructor.* S(d)
297. **PHYSICAL EDUCATION: INDEPENDENT STUDY (2, 4).***Advanced study in physical education, with each student participating in a special project mutually agreed upon by student and instructor. F(d), W(d), S(d)
298. **FIELD STUDY IN PHYSICAL EDUCATION (2).*** Observation and supervised teaching in the Physical Education 131 Lifetime Sports courses. Application of the principles and skills acquired in Physical Education 140-148 Series. May be repeated for credit if a different activity is selected each quarter. *One hour of lecture and two hours of laboratory per week. Prerequisite: Student must have completed Physical Education 248.* F(d), W(d), S(d)
299. **SPECIAL TOPICS IN PHYSICAL EDUCATION (1-4).*** Intensive study of a physical education topic of current interest to both the faculty member and students. May be repeated for credit to a maximum of 8 units. *Prerequisite: Consent of instructor.*

* Repeatable course.



PHYSICS

(School of Natural Sciences and Mathematics)

Chairperson: Samuel L. Wiley, Ph.D.

Professors: Robert L. Alt, Ph.D.; Arthur A. Evett, Ph.D.; James S. Imai, Ph.D.; H. Keith Lee, Ph.D.

Associate Professor: Michael J. Daugherty, Ph.D.

Programs leading to both a major or minor are available, with sufficient flexibility to allow an emphasis in either the theoretical or applied aspects of physics.

The bachelor's degree in physics provides preparation for a career in one of the various areas of research and development in industrial and governmental laboratories, or for further graduate study in physics. The firm grounding in the fundamentals of physics which this degree represents is also an excellent background for students planning graduate work in interdisciplinary areas such as atmospheric science, biophysics, computer science, environmental science, or geophysics. In addition, with appropriate choices of a minor and electives, the curriculum can serve those students who intend to enter a professional school of business, law, or medicine.

The goal of the major is to provide a broad background in the main subject areas of physics, with opportunities for laboratory experience using the latest state-of-the-art equipment. Special emphasis is placed on such currently important topics as digital electronics, laser optics, holography, scientific instrumentation and interfacing. The use of computers for data analysis and simulation is also given special attention. Class sizes are small, particularly at the upper division level, allowing for considerable individual attention. In some classes students work on a one-to-one basis with faculty on special projects.

Major and minor requirements are listed below. Through the choice of courses in Part B, programs can be arranged to suit the interests of individual students. For graduate school preparation, a theoretical area of emphasis consisting of Physics 242, 260, 262, and 264 should be chosen. This represents a minimum preparation, and the selection of additional physics courses as electives is recommended.

For those students interested in employment in industry upon graduation, a more applied area of emphasis can be selected from the Physics 235, 237, 281, 284, 286, and 295 courses. This provides instruction in areas more closely related to engineering and technological applications.

REQUIREMENTS FOR THE MAJOR IN PHYSICS

A total of 91 units of physics, chemistry, biological science, and mathematics is required for the Bachelor of Arts in Physics major. Fifty-four units are in lower division prerequisite courses, some of which may, where allowed, also be used to meet General Education requirements; 37 units are in upper division physics courses.

Lower Division

Prerequisites to upper division standing in this major are the following courses which may, where allowed, also be used to meet General Education requirements:

- Biological Science 102. General Biology (4), *or*
- Biological Science 110. Principles of Biology (4)
- Chemistry 110-112-114. General Chemistry I, II, III (15)
- Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV (16)
- Physics 110-112-114-116. General Physics (19)

Upper Division**A. Required Courses (21 units):**

- Physics 202. Experimental Methods (1)
- Physics 210. Theoretical Mechanics (4)
- Physics 216. Introductory Modern Physics (4)
- Physics 220-222. Physical Optics I, II (4)
- Physics 230. Electromagnetism (4)
- Physics 231-233. Electronics Laboratory I, II (4)

B. Four additional courses (16 units) selected with the guidance of a departmental advisor. Courses that may be used to fulfill this requirement are listed below.

- Physics 217. Modern Physics Laboratory (2)
- Physics 235. Digital Electronics (4)
- Physics 237. Microcomputers (4)
- Physics 242. Theoretical Physics (4)
- Physics 256. Astrophysics (4)
- Physics 260-262-264. Quantum Physics I, II, III (12)
- Physics 281. Scientific Instrumentation (2, 4)
- Physics 284-286. Computational Physics I, II (4)
- Physics 295. Selected Topics in Physics (2, 4)

SUGGESTED FOUR-YEAR PROGRAM LEADING TO A B.A. IN PHYSICS

FIRST QUARTER. (Freshman)		Units
CHEMISTRY 110. GEN. CHEM. I	5	5
MATHEMATICS 110. CALCULUS I.....	4	4
English 100. Oral and Written Expression I	4	4
General Education Course	4	4
		17
SECOND QUARTER. (Freshman)		
CHEMISTRY 112. GEN. CHEM. II	5	5
MATHEMATICS 112. CALCULUS II	4	4
English 101. Oral and Written Expression II.....	4	4
General Education Course	4	4
		17
THIRD QUARTER. (Freshman)		
CHEMISTRY 114. GEN. CHEM. III.....	52	52
MATHEMATICS 114. CALCULUS III	4	4
General Education Courses	8	8
		17
FOURTH QUARTER. (Sophomore)		
PHYSICS 110. GENERAL PHYSICS	5	5
MATHEMATICS 116. CALCULUS IV	4	4
General Education Courses	8	8
		17

FIFTH QUARTER. (Sophomore)	
PHYSICS 112. GENERAL PHYSICS	5
General Education Course	4
Electives/Minor	8
	<u>17</u>
SIXTH QUARTER. (Sophomore)	
PHYSICS 114. GENERAL PHYSICS	5
PHYSICS 216. INTRO. MODERN PHYSICS	4
Electives/Minor	4-8
	<u>13-17</u>
SEVENTH QUARTER. (Junior)	
PHYSICS 116. GENERAL PHYSICS	4
PHYSICS 202. EXPERIMENTAL METHODS	1
Electives/Minor	8-12
	<u>13-17</u>
EIGHTH QUARTER. (Junior)	
PHYSICS 210. THEORETICAL MECHANICS	4
PHYSICS 231. ELECTRONICS LAB I	2
Electives/Minor	8
	<u>14</u>
NINTH QUARTER. (Junior)	
PHYSICS 230. ELECTROMAGNETISM	4
PHYSICS 233. ELECTRONICS LAB II	2
Electives/Minor	8
	<u>14</u>
TENTH QUARTER. (Senior)	
PHYSICS ELECTIVES (SEE PART B OF REQUIREMENTS)	8
Electives/Minor	8
	<u>16</u>
ELEVENTH QUARTER. (Senior)	
PHYSICS 220. PHYSICAL OPTICS I	2
PHYSICS ELECTIVES (SEE PART B OF REQUIREMENTS)	4
Electives/Minor	8
	<u>14</u>
TWELFTH QUARTER. (Senior)	
PHYSICS 222. PHYSICAL OPTICS II	2
PHYSICS ELECTIVES (SEE PART B OF REQUIREMENTS)	4
Electives/Minor	8
	<u>14</u>

REQUIREMENTS FOR THE MINOR IN PHYSICS

A minor in Physics is available for students majoring in other fields, and may be of particular interest to biology, chemistry and mathematics majors.

A total of 61 units of physics, chemistry, and mathematics is required for the minor. Thirty-six units are in lower division prerequisite courses, some of which may, where allowed, also be used to meet General Education requirements; in addition, 9 units of lower division and 16 units of upper division physics courses are required.

Prerequisites

Prerequisites to upper division standing in this minor are the following courses which may, where allowed, also be used to meet General Education requirements:

Chemistry 110-112. General Chemistry I, II (10)

Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV (16)

Physics 110-112. General Physics (10)

Required Courses (13 units):

Physics 114-116. General Physics (9)

Physics 216. Introductory Modern Physics (4)

Three additional courses (12 units) selected from the following list:

Physics 210, 217, 220, 222, 230, 231, 233, 235, 237, 242, 256, 260, 262, 264, 281, 284, 286, 295, 297

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN PHYSICAL SCIENCE

Requirements are listed in the Natural Science and Mathematics section of this catalog, on page 269.

COURSE OFFERINGS IN PHYSICS**Lower Division**

- 101. INSIGHTS IN CONTEMPORARY PHYSICS (4).** An in-depth look at an important area or application of modern physics which is of interest to non-scientists. Topics vary by quarter and section; representative topics: Energy and the Environment; Household Physics; Light and Color; Sound and Music. *Consult Class Schedule for topics by course sections.* F(d/e), W(d/e), S(d/e)
- 110. GENERAL PHYSICS (5).** Kinematics, particle dynamics, conservation theorems, angular momentum and gravitation. *Four hours of lecture and three hours of laboratory per week. Prerequisite: Mathematics 112.* F(d)
- 112. GENERAL PHYSICS (5).** Kinetic theory, thermodynamics, and atomic and nuclear physics. *Four hours of lecture and three hours of laboratory per week. Prerequisite: Physics 110.* W(d)
- 114. GENERAL PHYSICS (5).** Basic electricity and magnetism. Laws of Coulomb, Gauss, Ampere, and Faraday. Optics. *Four hours of lecture and three hours of laboratory per week. Prerequisite: Physics 110.* S(d)
- 116. GENERAL PHYSICS (4).** Application of dimensional analysis, multiple integration, vector operations, and simple ordinary differential equations to diverse physical problems: for example, electric potentials, fluid motion, damped harmonic oscillator, and wave motion. *Prerequisite: Physics 114 and Mathematics 116 or concurrent enrollment.* F(d)
- 120. ELEMENTS OF PHYSICS (4).** A non-calculus course with topics to include motion, energy, and waves. *Three hours of lecture and three hours of laboratory per week. Prerequisite: High school algebra or Mathematics 010.* F(d), W(e)
- 122. ELEMENTS OF PHYSICS (4).** A continuation of Physics 120. Topics include electricity and magnetism, light, thermal processes, nuclear radiation, and quantum phenomena. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physics 120.* W(d), S(e)

- 124. PHYSICS AND THE LIFE SCIENCES (4).** An in-depth study of representative biological problems in the context of physical processes, including an exploration of the electromagnetic and acoustical spectra. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 114 and Physics 122, or consent of instructor.* S(d)
- 160. ELEMENTARY ASTRONOMY (4).** Historical background, celestial coordinates, planets, origin of the solar system, the sun, structure and evolution of stars, interstellar matter, galaxies, neutron stars, black holes, cosmology. *Observation and field trips. Primarily for non-physical science majors.* F(d), W(d), S(d)

Upper Division

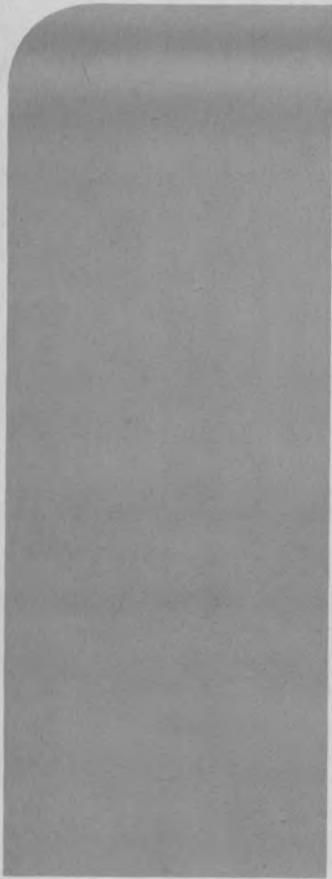
- 202. EXPERIMENTAL METHODS (1).** Experimental methods, properties of materials, and fabrication methods. *Three hours of laboratory per week.* F(d), S(d)
- 203. INDUSTRIAL PROCESSES (3).** Industrial processes, properties of materials, and fabrication techniques, including forming, machining, bonding, welding, and surface treatment of metals and non-metals. *Prerequisites: Physics 122.*
- 204. INDUSTRIAL PROCESS CONTROL (3).** Process control systems and their components. Inputs and input transducers and actuators; mechanical and electrical interfaces. Electrical instrumentation, including computers. *Prerequisite: Physics 203.*
- 206. MODERN PHYSICS: ITS IMPACT ON TWENTIETH CENTURY THOUGHT (4).** Survey of major concepts of twentieth century physics and their implications for society, the humanities and fine arts, philosophy, cosmology, religion, and other branches of knowledge. Emphasis on cultural, rather than technological, topics. W(d)
- 210. THEORETICAL MECHANICS (4).** Dynamics of a particle, mechanics of rigid bodies, central forces, moving reference frames, and an introduction to Lagrange's and Hamilton's equations. *Prerequisite: Physics 116.* W(d)
- 216. INTRODUCTORY MODERN PHYSICS (4).** Relativity theory, selected topics in atomic, nuclear, and solid state physics. *Prerequisite: Physics 110.* S(d)
- 217. MODERN PHYSICS LABORATORY (2).** Introductory laboratory course in atomic and nuclear physics. *One hour of lecture and three hours of laboratory per week. Prerequisite: Physics 216 or concurrent enrollment.* S(d)
- 220. PHYSICAL OPTICS I (2).** Review of geometric optics, scalar wave equations, practical lenses, prisms, interference, and laser devices. *One hour of lecture and three hours of laboratory per week. Prerequisite: Physics 114 or 122, or consent of instructor.* W(d)
- 222. PHYSICAL OPTICS II (2).** Scalar diffraction theory, spatial filtering, holography, lasers, and coherence. *One hour of lecture and three hours of laboratory per week. Prerequisite: Physics 220.* S(d)
- 230. ELECTROMAGNETISM (4).** Properties of the electromagnetic field. Electrostatics. Gauss' theorem. Potential functions. Laplace's and Poisson's equations. Magneto-statics. Ampere's law. Electrical and magnetic properties of materials. Maxwell's equations. Electromagnetic waves. *Prerequisite: Physics 116.* S(d)
- 231. ELECTRONICS LABORATORY I (2).** Exercises and experiments involving the selection and utilization of electronic instrumentation. Emphasizes practical solid state circuit design and construction. Course content applicable in all areas of science. Advanced project individually tailored to each student's needs and interests. *One hour of lecture and three hours of laboratory per week. Prerequisite: Physics 114 or 122, or consent of instructor.* F(d), W(d), S(d)

233. **ELECTRONICS LABORATORY II (2)**. Study and applications of differential and operational amplifiers, and negative feedback, including discrete bipolar and integrated circuits. Detailed discussions on selection of components, manufacturers' specification sheets, and optimum parts layout. Individual student projects. *One hour of lecture and three hours of laboratory per week. Prerequisite: Physics 231. S(d)*
235. **DIGITAL ELECTRONICS (4)**. Design and use of systems employing digital integrated circuits. Topics include gates, Boolean algebra, combinational and sequential design, multiplexers, flip-flops, counters, shift registers, ALUs and memories. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physics 114 or 122 or consent of instructor. F(d)*
237. **MICROCOMPUTERS (4)**. (Same as Information Science 237.) The architecture, programming and interfacing of microcomputers. Topics include input/output, instruction sets, subroutines, interrupts, serial communications, and applications to problems in instrumentation and control. Incorporates in-class use of microcomputer hardware. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physics 235 or Information Science 162 or consent of instructor. S(d)*
242. **THEORETICAL PHYSICS (4)**. Application of some fundamental theoretical techniques of physics in such areas as Mechanics and Electromagnetism. Includes solution of second-order inhomogeneous differential equations, coupled systems, and the diffusion and wave equations. *Prerequisite: Physics 210 and 230. W(d)*
256. **ASTROPHYSICS (4)**. A quantitative study of solar and stellar astronomy with emphasis on methods of astronomical measurements and calculations. *Prerequisite: Physics 112 and Physics 114. F(d)*
260. **QUANTUM PHYSICS I (4)**. Historical background, Bohr atom, postulates, average values, uncertainty principle, solution of Schrodinger equation, perturbation theory, angular momentum coupling, and applications. *Prerequisite: Physics 210 and 216. F(d)*
262. **QUANTUM PHYSICS II (4)**. Statistical physics and its application to the solid state; crystal structures, Brillouin zones, metals, semi-conductors, and magnetism. *Prerequisite: Physics 260. W(d)*
264. **QUANTUM PHYSICS III (4)**. Nuclear forces, nuclear models and reactions, elementary particles, and symmetry principles. *Prerequisite: Physics 260. S(d)*
281. **SCIENTIFIC INSTRUMENTATION (2, 4)*** The theory and hardware associated with a particular area of scientific instrumentation. Topic areas will vary by quarter and could include analog and digital signal processing, microwaves, low temperature-high vacuum techniques, and biological or nuclear instrumentation. *Prerequisite: Physics 231 and 233 or concurrent enrollment. W(d)*
284. **COMPUTATIONAL PHYSICS I (2)**. Computer analysis of selected problems in physics whose analytic treatment is too difficult to be considered at the undergraduate level. *One hour of lecture and three hours of laboratory per week. Prerequisite: Physics 116. W(d)*
286. **COMPUTATIONAL PHYSICS II (2)**. A continuation of Physics 284. *One hour of lecture and three hours of laboratory per week. Prerequisite: Physics 216 and 284. S(d)*
295. **SELECTED TOPICS IN PHYSICS (2, 4)*** *Prerequisite: Consent of instructor. S(d)*

* Repeatable course.

297. **DIRECTED RESEARCH (2, 4).*** Advanced laboratory work, with each student undertaking an independent and original investigation. *Six or twelve hours of laboratory per week. Prerequisite: Senior standing and consent of instructor.* F(d), W(d), S(d)
298. **INDEPENDENT STUDY (2, 4).*** A reading program of selected topics conducted under the supervision of a faculty member. *Prerequisite: Consent of instructor.* F(d), W(d), S(d)

* Repeatable course.



POLITICAL SCIENCE

(School of Social and Behavioral Sciences)

Chairperson: Lyman Chaffee, Ph.D., Professor

Professors: Donald R. Gerth, Ph.D.; George M. Heneghan, Ph.D.; O. W. Wilson, Ph.D.

Associate Professors: Jay Kaplan, Ph.D.; Wayne R. Martin, Ph.D.; Michael O'Hara, Ph.D.; Richard Palmer, Ph.D.

Assistant Professors: Alan M. Fisher, Ph.D.; Linda Groff, Ph.D.

Political Science *Pre-Law Advisors*: Michael O'Hara, O. W. Wilson

Political Science *Career Advisors*: Lyman Chaffee, Richard Palmer

The Political Science major is designed for students interested in graduate school or careers in law and paralegal work, government administration, public service, journalism, secondary and junior college teaching, and managerial opportunities in private industry. Career counseling and guidance by the Political Science faculty is available. Students interested in the Internship program should consult with the faculty on their appropriate interest. Students may choose from four concentrations within the major. The General Political Science Concentration is designed for students seeking broad exposure to the diverse subjects of the discipline and is recommended for most students. The concentrations in Political Behavior, Public Policy, and Global Politics are designed for students with more specialized interests. For example, those students interested in problem solving of public issues such as consumerism and public policy might choose the program of Public Policy; or students interested in private and government administration at the international level might select the Global Politics Concentration.

Pre-Law Studies

The Political Science Department offers within its curriculum an orientation for students with career interests in legal work designed to serve the many political science majors who are pre-law. Although it is advisable for pre-law students to have as wide a background as possible, the department offers a number of specialized courses in the field of Public Law. In addition to the two Constitutional Law courses, there are also courses in Comparative Legal Systems and International Law, Consumer and Environmental Law, Political Trials, and Criminal Law and Procedures. Generally, it would be advisable for the pre-law student to choose the General Political Science Concentration with a selection from Public Law, though a student with a legal interest in International Politics might choose the Global Politics Concentration, or a student interested in Public Policy and Consumerism might select the Public Policy Concentration.

Advisement

Students are encouraged to select one of the following programs in consultation with a faculty advisor.

GENERAL POLITICAL SCIENCE CONCENTRATION

Lower Division

- Political Science 110. Basic Concepts in Political Science (4)
- Political Science 151. Quantitative Methods of Political Analysis or equivalent (4)

Upper Division

- A. *One* course in the history of political thought, selected from:
 - Political Science 250. History of Political Ideas (4)
 - Political Science 251. Modern Political Thought (4)
 - Political Science 254. American Political Thought (4)
- B. *One* course in American government, selected from:
 - Political Science 210. Issues in American National Government (4)
 - Political Science 212. State and Local Government: Organization and Problems (4)
 - Political Science 214. American Political Parties and Electives (4)
 - Political Science 215. Congress and the President (4)
 - Political Science 260. American Constitutional Law: Distribution of Power (4)
 - Political Science 261. American Constitutional Law: Civil Rights (4)
- C. *One* course in comparative government, selected from:
 - Political Science 239. Government and Politics of the Soviet Union (4)
 - Political Science 240. Politics of Industrialized Societies (4)
 - Political Science 241. Government and Politics of East Asia (4)
 - Political Science 243. Political Behavior in Latin America (4)
 - Political Science 244. Latin America: The Revolutionary Tradition (4)
 - Political Science 247. Comparative Communist Systems and Movements (4)
 - Political Science 248. The Politics of the Developing Areas (4)
 - Political Science 249. Government and Politics of Sub-Saharan Africa (4)
- D. *One* course in international relations and foreign policy, selected from:
 - Political Science 234. American Foreign Policy (4)
 - Political Science 235. International Politics (4)
 - Political Science 236. Theories of International Relations (4)
 - Political Science 237. Soviet Foreign Policy (4)
 - Political Science 238. Global Planning and the Future (4)
- E. Four additional courses in political science selected upon departmental advisement.
- F. *One* course selected from:
 - Political Science 295. Seminar in Political Science (4), *or*
 - Political Science 296. Field Studies in Political Science (4)

POLITICAL BEHAVIOR CONCENTRATION

The Political Behavior Concentration seeks (1) to develop a substantive understanding of human behavior as this relates to politics, and (2) to train students in appropriate research techniques for the analysis of political behavior. An interdisciplinary approach is stressed, drawing on relevant information, ideas, and research techniques from various social sciences as these relate to political behavior.

Lower Division

- Political Science 110. Basic Concepts in Political Science (4)
- Political Science 151. Quantitative Methods of Political Analysis or equivalent (4)

Upper Division

A. *Five* required courses:

- Political Science 236. Theories of International Relations (4)
- Political Science 270. Public Opinion and Propaganda (4)
- Political Science 271. Conflict and Violence (4)
- Political Science 273. Psychology and Politics (4)

B. *Three* additional courses selected from the following:

- Political Science 214. American Political Parties and Elections (4)
- Political Science 220. Urban Government and Policy Choices (4)
- Political Science 223. Black Politics (4)
- Political Science 225. Women and Politics (4)
- Political Science 232. International Security Studies (4)
- Political Science 244. Latin America: The Revolutionary Tradition (4)
- Political Science 248. The Politics of Developing Areas (4)
- Political Science 250. History of Political Ideas (4)
- Political Science 298. Independent Study (2, 4)

C. *One* course selected from the following:

- Political Science 295. Seminar in Political Science (4)
- Political Science 296. Field Studies in Political Science (4)

PUBLIC POLICY CONCENTRATION

This concentration is designed to prepare students for the discussion and analysis of critical public policy issues facing the United States and the world such as income allocation, resources, the environment, consumer protection, justice and the courts, political economy, and minority relations. This concentration might be especially appropriate for those interested in civil service and government administration on the local, state, national, or international level.

Lower Division

- Political Science 110. Basic Concepts in Political Science (4)
- Political Science 151. Quantitative Methods of Political Analysis or equivalent (4)

Upper Division

- A. Philosophical bases of policy choices. Select *one* from:
 Political Science 250. History of Political Ideas (4)
 Political Science 251. Modern Political Thought (4)
 Political Science 254. American Political Thought (4)
- B. *Two* courses to provide working knowledge of the public policy arenas of the American political system. Select *two* from:
 Political Science 212. State and Local Government: Organization and Problems (4)
 Political Science 214. American Political Parties and Elections (4)
 Political Science 215. Congress and the President (4)
 Political Science 220. Urban Government and Policy Choices (4)
 Political Science 260. American Constitutional Law: Distribution of Power (4)
- C. Public policy in technocratic societies. Select *one* from:
 Political Science 239. Government and Politics of the Soviet Union (4)
 Political Science 240. Politics of Industrialized Societies (4)
 Political Science 241. Government and Politics of East Asia (4)
 Political Science 265. Comparative Legal Systems and International Law (4)
- D. *Four* courses which relate to specific areas of public policy in the U.S.
 Political Science 234. American Foreign Policy (4)
 Select *three* from:
 Political Science 210. Issues in American National Government (4)
 Political Science 218. Public Policy Choices: Distribution of Wealth (4)
 Political Science 223. Black Politics (4)
 Political Science 225. Women and Politics (4)
 Political Science 261. American Constitutional Law: Civil Rights (4)
 Political Science 262. Consumer Protection Law and Policy (4)
 Political Science 263. Environmental Protection Law and Policy (4)
 Political Science 264. Political Trials (4)
 Political Science 270. Public Opinion and Propaganda (4)
 Political Science 271. Conflict and Violence (4)
 Political Science 273. Psychology and Politics (4)
 Political Science 275. Technological Policy and the Future (4)
- E. *One* course selected from:
 Political Science 295. Seminar in Political Science (4), *or*
 Political Science 296. Field Studies in Political Science (4)

GLOBAL POLITICS CONCENTRATION

The Global Politics Concentration is designed for students interested in world affairs, comparative politics, and international systems analysis. The required and elective courses provide an interdisciplinary foundation for global political analysis while permitting the student to design a general program of international studies.

Lower Division

- Political Science 110. Basic Concepts in Political Science (4)
 Political Science 151. Quantitative Methods of Political Analysis or equivalent (4)

Upper Division

- A. *Four* courses selected from the following:
- Political Science 234. American Foreign Policy (4)
 - Political Science 235. International Politics (4)
 - Political Science 236. Theories of International Relations (4)
 - Political Science 240. Politics of Industrialized Society (4), *or*
 - Political Science 248. Politics of Developing Areas (4)
- B. *One* course selected from:
- Economics 241. International Finance (4)
 - Economics 245. Economic Development (4)
 - History 235. Foreign Relations of the United States (4)
 - Political Science 232. International Security Studies (4)
 - Sociology 222. Social Change in Developing Countries (4)
- C. *Three* courses selected from international and comparative politics offerings numbered:
- Political Science 233. Asian International Relations (4)
 - Political Science 237. Soviet Foreign Policy (4)
 - Political Science 238. Global Planning and the Future (4)
 - Political Science 241. Government and Politics of East Asia (4)
 - Political Science 243. Political Behavior in Latin America (4)
 - Political Science 244. Latin America: The Revolutionary Tradition (4)
 - Political Science 248. The Politics of Developing Areas (4)
 - Political Science 249. Government and Politics in Sub-Saharan Africa (4)
 - Political Science 265. Comparative Legal Systems and International Law (4)
 - Political Science 298. Independent Study (2, 4)
- D. *One* course selected from:
- Political Science 295. Seminar in Political Science (4), *or*
 - Political Science 296. Field Studies in Political Science (4)

REQUIREMENTS FOR THE MINOR IN POLITICAL SCIENCE**Upper Division**

Six upper division courses in Political Science.

**REQUIREMENTS FOR THE SINGLE-SUBJECT
TEACHING CREDENTIAL IN GOVERNMENT****Lower Division**

- Political Science 110. Basic Concepts in Political Science (4)
- Political Science 151. Quantitative Methods of Political Analysis (4), *or*
- Mathematics 150. Elementary Statistics and Probability (4)

Upper Division

- A. *One* course in the history of Political Thought, selected from:
 Political Science 250. History of Political Ideas (4)
 Political Science 251. Modern Political Thought (4)
 Political Science 254. American Political Thought (4)
- B. *One* course in American Government selected from:
 Political Science 210. Issues in American National Government (4)
 Political Science 212. State and Local Government: Organization and Problems (4)
 Political Science 214. American Political Parties and Elections (4)
 Political Science 215. Congress and the President (4)
 Political Science 260. American Constitutional Law: Distribution of Power (4)
 Political Science 261. American Constitutional Law: Civil Rights (4)
- C. *One* course in comparative government selected from:
 Political Science 239. Government and Politics of the Soviet Union (4)
 Political Science 240. Politics of Industrialized Societies (4)
 Political Science 241. Government and Politics of East Asia (4)
 Political Science 243. Political Behavior in Latin America (4)
 Political Science 244. Latin America: The Revolutionary Tradition (4)
 Political Science 248. The Politics of the Developing Areas (4)
 Political Science 249. Government and Politics of Sub-Saharan Africa (4)
- D. *One* course in international relations and foreign policy, selected from:
 Political Science 234. American Foreign Policy (4)
 Political Science 235. International Politics (4)
 Political Science 236. Theories of International Relations (4)
 Political Science 237. Soviet Foreign Policy (4)
 Political Science 238. Global Planning and the Future (4)
- E. *Four* additional courses in Political Science selected upon departmental advisement.*
- F. Political Science 295. Seminar in Political Science (4)

COURSE OFFERINGS IN POLITICAL SCIENCE**Lower Division**

- 100. BASIC STUDIES POLITICAL SCIENCE: WORLD TENSION AREAS (4).** An introductory analysis of important issues in world affairs, such as the Sino-Soviet split, the Israeli-Arab conflict, and India-Pakistan-Bangladesh dispute, the rise of non-aligned nations, Cuba and the United States, and the rise of Japan and China to major power status.
- 101. AMERICAN INSTITUTIONS (4).** A study of contemporary political institutions, with emphasis on the philosophy, structure, and behavior of the American political system, including the State of California. *Meets State requirement in U.S. Constitution and California State and Local government.*
- 110. BASIC CONCEPTS IN POLITICAL SCIENCE (4).** Introduction to the basic concepts political scientists use to investigate everchanging political reality. Major terms, functions and institutions relating to processes of politics.
- 151. QUANTITATIVE METHODS OF POLITICAL ANALYSIS (4).** An introduction to the techniques of quantitative political analysis, including the design, execution, and analysis of research.

* Must include *one* of the following if not taken in one of the sections above: Political Science 200, 260, 261, 263, or 266.

AMERICAN INSTITUTIONS

- 200. CITIZEN LAW (4).** A systematic analysis of the relationship of the role of the citizen and the law. An introduction to courtroom contact with socio-psychological and political implications. Practical application of the law to such problems as small claims court, traffic violations, divorce, probate, adoptions, consumer protection, rent and landlord rights, environmental laws, and basic criminal law procedures. Other considerations shall be explored, defined, and conceptualized. (*Course especially designed for non-majors.*)
- 204. BASIC CONCEPTS OF LAW: SUBSTANTIVE (4).** An examination of conflict situations which arise in contemporary life and the way in which the law and legal institutions address these conflicts. Statutory law and common law will be studied with an emphasis on case analysis, judicial procedure, and statutory interpretation. Emphasis on torts, crimes, property, selected constitutional rights, and government regulation.
- 205. BASIC CONCEPTS OF LAW: PROCEDURAL (4).** A basic course in understanding the legal system with a focus on basic procedural law. Emphasis will be placed on civil procedure, evidence, contracts, landlord tenant disputes, domestic law, and commercial law.
- 210. CURRENT ISSUES IN AMERICAN GOVERNMENT (4).** Analysis and critical evaluation of recent major issues, conflicts and problems in American government and institutions. Current issues might include social and health services, energy, environment, multinational corporations, military spending, taxation, political economy, criminal justice, and civil rights.
- 212. STATE AND LOCAL GOVERNMENT: ORGANIZATION AND PROBLEMS (4).** Analysis of functions of state and local government with particular emphasis on California. Examination of the political structure of the state-federal and state-local relations with an understanding of the policy choices socio-political approach to contemporary problems.
- 213. INTRODUCTION TO PUBLIC ADMINISTRATION (4).** A study of the development and practice of public administration in the United States and abroad, focusing on the theoretical and practical concerns of administration, with special attention to the relationship of public administration and democratic government.
- 214. AMERICAN POLITICAL PARTIES AND ELECTIONS (4).** A study of the dynamics of American political behavior, including the legal regulation of parties and of elections. Analysis of voting behavior and public opinion. Study of political party organization, membership, and leadership in the context of the contemporary political scene.
- 215. CONGRESS AND THE PRESIDENT (4).** An analysis of development and operation of the elected decision-making structures of the United States government. Particular focus on the interrelationships between the Congress and the President.
- 218. PUBLIC POLICY CHOICES: DISTRIBUTION OF WEALTH (4).** Political analysis of the distribution of wealth in the U.S. Attention to the political influence of special interest groups, political parties, and public opinion on policies relating to the tax structure; government subsidies, credits, and controls; the Social Security system and income problems of the aged; and the welfare system. Public policy reforms of the process of wealth distribution.
- 220. URBAN GOVERNMENT AND POLICY CHOICES (4).** A survey of the structures of American municipal, county, and special districts within the context of a systematic evaluation of the public policy choices facing these units of government.

223. **BLACK POLITICS (4)**. An analysis of the structure of power within the black community and political interaction between "activists," "moderates," and "conservatives." Evaluation of styles within the black sub-political culture and manipulative aspects and tactics; e.g., coalition, confrontation, "establishment" politics.
225. **WOMEN AND POLITICS (4)**. Examination of the expanding role of women in politics and the legal, cultural, and socio-psychological difficulties encountered therein. This course will also look at leading female political figures.

GLOBAL POLITICS

232. **INTERNATIONAL SECURITY STUDIES (4)**. Analysis of the theory and practice of international conflict, crisis, and war management. Special emphasis on the contemporary concerns of deterrence, limited war, guerrilla warfare, foreign commitments, arms races, and arms control.
233. **ASIAN INTERNATIONAL RELATIONS (4)**. Analysis of the international political behavior, foreign policies and conflicts of Asian nations—China (Peoples Republic of China), Japan, Korea, Vietnam, Philippines, India, Pakistan and Indonesia. Regional and foreign policy conflicts and wars such as the Vietnam War, the India-Pakistan-Bangladesh War, and the Philippine Civil War will be analyzed.
234. **AMERICAN FOREIGN POLICY (4)**. The formulation and execution of foreign policy in the United States, including an analysis of competing ideological concepts, the role of President and Congress, and the influence of public opinion.
235. **INTERNATIONAL POLITICS (4)**. Theories, principles, and practice of international politics; examination of the role of nationalism, diplomacy, war alliances, international law, and organization in current international political problems.
236. **THEORIES OF INTERNATIONAL RELATIONS (4)**. Analysis of action and interaction of states; decisionmaking, capability analysis, balance and imbalance, systems analysis, communication, crisis, and game theory.
237. **SOVIET FOREIGN POLICY (4)**. An analysis of Soviet foreign policy decisionmaking, focusing on the national instruments of policy, Soviet interaction with the Communist party-states, the developing nations, and the West.
238. **GLOBAL PLANNING AND THE FUTURE (4)**. Examination of assumptions, concepts, and models for monitoring, forecasting, speculating, and predicting events and conditions affecting public policy in the international arena. Evaluation of the human and non-human issues and interactions that will affect both industrial and non-industrial societies.

COMPARATIVE POLITICS

239. **GOVERNMENT AND POLITICS OF THE SOVIET UNION (4)**. An analysis of the government and politics of the Soviet Union, with special emphasis on the dual role of the USSR as ideological leader and national state.
240. **POLITICS OF INDUSTRIALIZED SOCIETIES (4)**. Analysis of political trends in selected countries within the North Atlantic area, the unifying theme being the relationship between industrialization, political authority, and political competition. Comparisons of various approaches to common problems of regulation, social services, bureaucratization, representation, and interstate relations.
241. **GOVERNMENT AND POLITICS OF EAST ASIA (4)**. China, Japan, and Korea: political behavior, ideas, and institutions of societies of East Asia. Political parties and organizations; role of competing ideologies and systems of behavior; interaction of domestic and foreign policies.

- 243. POLITICAL BEHAVIOR IN LATIN AMERICA (4).** Analysis of political and cultural behavior in South America with a focus on Brazil, Argentina, Chile, Peru, Colombia, and Venezuela. Comparative analysis emphasizing socio-political institutions, elites, and interest groups.
- 244. LATIN AMERICA: THE REVOLUTIONARY TRADITION (4).** A comparative analysis of the causes of the socio-political revolutionary process in Cuba, Mexico, and Bolivia, with an emphasis on the post-revolutionary developmental politics and focusing on ideas, institutions, and groups.
- 247. COMPARATIVE COMMUNIST SYSTEMS AND MOVEMENTS (4).** An analysis of the origins and development of modern Communist doctrines; applications of these doctrines in the practices of Communist systems and movements; analysis of the relations among the several Communist states and parties.
- 248. THE POLITICS OF DEVELOPING AREAS (4).** Consideration of the political processes of the "emerging nations" of Africa, Latin America, and Asia. Analysis of the problems of transition from colony to nation-state and the obstacles faced generally by the "Third World" in the management of political, economic, and social change and modernization.
- 249. GOVERNMENT AND POLITICS IN SUB-SAHARAN AFRICA (4).** A study of the dynamics of government and politics in Africa south of the Sahara Desert with special emphasis on developments since World War II. Imperialism and colonial administration, nationalism, and decolonization treated as background to the problems of modernization and nation-building.

POLITICAL THOUGHT

- 250. HISTORY OF POLITICAL IDEAS (4).** A critical analysis of the major political philosophies and schools of thought from Plato to the sixteenth century. Examination of the political concepts of Plato, Aristotle, St. Augustine, St. Thomas Aquinas, and Machiavelli.
- 251. MODERN POLITICAL THOUGHT (4).** A study of principal political philosophers from the seventeenth century to the present. Special emphasis is given to writers such as John Stuart Mill and Karl Marx, whose concepts of political criticism have become predominant in the modern world.
- 254. AMERICAN POLITICAL THOUGHT (4).** A critical analysis of the political ideas that have emerged within the United States. Special attention is given to twentieth century political theories that aim to achieve social justice and/or alternative life styles through a restructuring of the economy.

PUBLIC LAW

- 260. AMERICAN CONSTITUTIONAL LAW: DISTRIBUTION OF POWER (4).** An examination of the nature and development of the United States constitutional system. Emphasis on the role of the courts in interpreting the concepts of separation of powers, federalism, the police power, and the commerce clause.
- 261. AMERICAN CONSTITUTIONAL LAW: CIVIL RIGHTS (4).** A study of fundamental rights as protected by the U.S. Constitution and other legal provisions. The role of the courts in interpreting freedom of expression and conscience, due process, and equal protection of the laws.

- 262. CONSUMER PROTECTION LAW AND POLICY (4).** Analyzes public policy and the political-legal-administrative processes of making, passing, regulating, and enforcing laws and standards aimed at consumer protection. Case studies and court decisions will be used to show how public pressures and political, business, and economic interests compete in the decision-making policy processes and administration of consumer protection and safety laws.
- 263. ENVIRONMENTAL PROTECTION LAW AND POLICY (4).** A study of local, state, and federal environmental laws and regulations with emphasis on sociopolitical standards, policy choices and jurisdictional disputes between private and public institutions. Court decisions and case studies will be used to show how public pressures and political, business, and economic interests compete in the decision-making policy processes and administration as well as interpretation of environmental law.
- 264. POLITICAL TRIALS (4).** Analysis of the actions involved and displayed in famous political trials drawn from historical documents, courtroom transcripts, novels, plays, and political records.
- 265. COMPARATIVE LEGAL SYSTEMS AND INTERNATIONAL LAW (4).** The role of lawyers, legal processes, and institutions in international politics and in selected Western and non-Western political systems; an investigation of their impact on the exercise of political power, in the handling of environmental problems, and in the determination of private rights and privileges; comparisons with American legal processes and institutions.
- 266. CRIMINAL LAW AND PROCEDURES (4).** Materials and cases treating Criminal Law and procedures within the context of the American polity. Systematic analysis of the role of the citizen in relationship to operational legal principles and procedures of Criminal Law. An emphasis on contemporary problems and recent court decisions.
- 268. FAMILY LAW (4).** A study of the law pertaining to marriage, divorce, separate maintenance annulments, custody, adoptions, support, and community property. Emphasis will be placed on the theory and role of the attorney and paralegal in dissolution proceedings, paternity suits, and other civil actions.

OTHER COURSES

- 270. PUBLIC OPINION AND PROPAGANDA (4).** The nature of public opinion and its manipulation by propaganda in modern society. Relations between government and other social institutions and the opinions of groups and individuals; the press; pressure groups.
- 271. CONFLICT AND VIOLENCE (4).** Examination of various social science theories of conflict and aggression, as applied to the analysis of international and domestic violence, protest, and political change.
- 273. PSYCHOLOGY AND POLITICS (4).** Examination of various psychological assumptions about human nature and methods for studying human behavior as these are applied to the analysis of political life.
- 275. TECHNOLOGICAL POLICY AND THE FUTURE (4).** Various humanistic, ethical, legal, and political-economic policy issues surrounding the use and future development of technology, in such areas as energy, food production, transportation, computers, communications, electronic surveillance, medicine, weaponry, and space. The issue of appropriate technology. Course will focus on one or more such technological topics, depending upon the instructor.

292. **SPECIAL TOPICS IN POLITICAL SCIENCE (4).*** An intensive study of an issue or a concept in political science that is of special interest to both the faculty member and the students.
295. **SEMINAR IN POLITICAL SCIENCE (4).** A critical examination of current developments and issues in the literature of political science. *Prerequisite: Senior standing and consent of instructor.*
296. **FIELD STUDIES IN POLITICAL SCIENCE (4).** Intensive supervised research with primary emphasis on the understanding of concepts and analysis of political phenomena. *Two hours of lecture with supervised research. Prerequisite: consent of instructor.*
297. **INTERSHIPS IN POLITICAL SCIENCE (4).** Practical application of course work in political science through supervised work and field experience in politics, government administration, public and private paralegal agencies such as offices of lawyers and judges, and community agencies.
298. **INDEPENDENT STUDY (2, 4).** Independent study of a particular problem under the direction of a member of the political science department. *Prerequisite: Consent of instructor.*

* Repeatable course.

PORTAL PROGRAM IN ADMINISTRATION *

EXTERNAL DEGREE PROGRAM

(School of Management)

Director: Jesse U. Overall, Ph.D.

The Portal Program in Administration is a self-support, certificate program sponsored jointly by the School of Management and the Division of Community Programs. The program is offered off-campus, presently in the Los Angeles International Airport area. It is designed for persons with extensive experience in the world of business who have succeeded on their own merits, but who may have found their progress impeded by lack of an undergraduate degree. The Portal Program leads to certification of successful completion of a year-long curriculum that is preparatory to the Master of Business Administration (MBA) or Master of Science in Administration (MSA) graduate degree programs. Admission to Portal is limited and does not guarantee subsequent admission to either the MBA or MSA programs.

The Portal Program consists of ten courses, taken over a 12-month period, designed to prepare students for entry into the MBA or MSA Programs. Thus, students are required to take courses in the following areas: accounting, data processing, economics, quantitative methods, and written communication.

Admission Requirements

The primary criteria for determining entry to the Portal Program will be:

- a. Satisfactory completion of at least 56 semester or 84 quarter units of transferable college level work at an accredited community college or four-year collegiate institution.
- b. A minimum of five years' full-time work experience.
- c. Evidence of unusual motivation and potential for professional advancement.

In addition to these minimum criteria, preference will be given to persons whose career progress is most clearly limited by the absence of an advanced degree and whose career to date has included management-related experience.

For further information contact: Director, External Programs (515-3351).

* For specific External Degree information concerning admission, fees, graduation, and other policies and procedures, contact the Director listed on this page.

PSYCHOBIOLOGY

(School of Natural Sciences and Mathematics/School of Social and Behavioral Sciences)

Professors: Jack Adams, Ph.D. (Psychology); Harbans Arora, Ph.D. (Biological Science); Carol Guzé, Ph.D. (Biological Science)

Associate Professor: Coordinator, Dallas Colvin, Ph.D. (Biological Science)

Assistant Professors: Larry Decker, Ph.D. (Psychology); Laura Robles, Ph.D. (Biological Science)

The Psychobiology minor is designed to provide the student with an interdisciplinary approach to the subject areas in which biology and psychology traditionally overlap. Life's responses to the world around it are of fundamental importance to every human being. Discovering these responses from the unique prospective of Psychobiology would have tremendous value to students in any major.

REQUIREMENTS FOR THE MINOR IN PSYCHOBIOLOGY

A. CORE COURSES:

Required for *all* students (16 units):

- Biological Science 372. Animal Behavior (4)
- Psychology 216. Sensation and Perception (4)
- Psychology 217. Neuropsychology (4)
- Psychology 218. Comparative Psychology (4), *or*
- Psychology 219. The Chemistry of Behavior (4), *or*
- Psychology 220. Psychopharmacology (4)

B. BIOLOGICAL SCIENCE MAJORS: Total of 34 units are required, including 16 units from A.

1. Prerequisites:

- Psychology 130. Elementary Statistical Analysis in Psychology (4)
- Psychology 135. Introduction to Research Methods (4)
- Biological Science 382. Human Anatomy Laboratory (2)

2. Required courses:

- Biological Science 342. Human Genetics (4)
- Biological Science 383. Human Physiology (4)

C. PSYCHOLOGY MAJORS: Total of 28 units are required, including 16 units from A.

1. Prerequisite:

- Biological Science 102. General Biology (4)

2. Required courses:

- Biological Science 246. Human Heredity (4)
- Biological Science 256. Human Anatomy and Physiology (4)

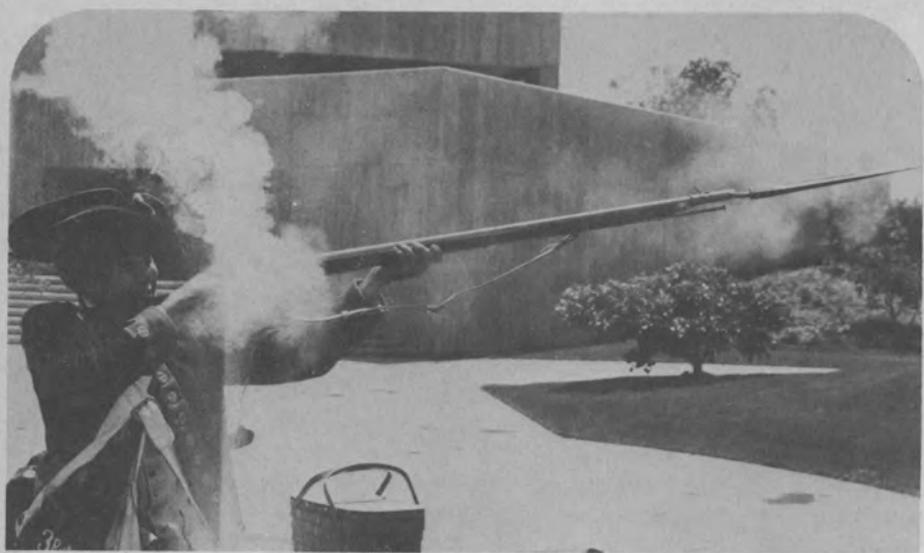
D. NON-BIOLOGICAL SCIENCE AND NON-PSYCHOLOGY MAJORS: Total of 36 units are required, including 16 units from A.

1. Prerequisites:

- Biological Science 102. General Biology (4)
- Psychology 130. Elementary Statistical Analysis in Psychology (4)
- Psychology 135. Introduction to Research Methods (4)

2. Required courses:

- Biological Science 246. Human Heredity (4)
- Biological Science 256. Human Anatomy and Physiology (4)



PSYCHOLOGY

(School of Social and Behavioral Sciences)

Chairperson: Fred Shima, Ph.D., Associate Professor

Professors: Jack Adams, Ph.D.; Lisa Gray-Shellberg, Ph.D.; George D. Marsh, Ph.D.; M. Milo Milfs, Ed.D.; Harvey Nash, Ph.D.; Eleanor B. Simon, Ph.D.; Quentin C. Stodola, Ph.D.

Associate Professors: Antonia M. Bercovici, Ph.D.; Diane Henschel, Ph.D.; Beverly B. Palmer, Ph.D.; Sandra Wilcox, Ph.D.

Assistant Professors: Arthur C. Bohart, Ph.D.; Stasys G. Danis, Ph.D.; Larry R. Decker, Ph.D.; Deborah Sears Harrison, Ph.D.; Aaron Hass, Ph.D.; Larry D. Rosen, Ph.D.; Judy Todd, Ph.D.

The Psychology program provides a broad background in Psychology and its relevance to current social problems. The curriculum serves majors who plan graduate study in Psychology and liberal arts students who enter related fields, such as mental health, social work, education, and business.

(All graduate courses in Psychology are listed in the Graduate Bulletin in this catalog, with the requirements for graduate degrees and credentials offered by the University.)

REQUIREMENTS FOR THE MAJOR IN PSYCHOLOGY

Lower Division

- Psychology 130. Elementary Statistical Analysis in Psychology (4), *or*
Mathematics 150. Elementary Statistics and Probability (4)
- Psychology 135. Introduction to Research Methods (4)

Upper Division

- A. *Two* of the following courses or course combinations to provide research experience in different content areas of psychology:
 - Psychology 210. (4) *and* 210L (1) Lecture and laboratory: Fundamentals of Learning
 - Psychology 211. (4) *and* 211L (1) Lecture and laboratory: Human Learning
 - Psychology 215. (4) *and* 215L (1) Lecture and laboratory: Thinking and Cognition.
 - Psychology 216. (4) *and* 216L (1) Lecture and laboratory: Sensation and Perception
 - Psychology 217. (4) *and* 217L (1) Lecture and laboratory: Neuropsychology
 - Psychology 218. (4) *and* 218L (1) Lecture and laboratory: Comparative Psychology
 - Psychology 243. Research in Social Psychology (5)
 - Psychology 261. Research in Personality (5)
- B. *One* course from the following to provide a foundation in the quantitative methods of psychology: *Both* are recommended for students planning to pursue graduate studies.
 - Psychology 230. Behavioral Statistics and Research Design (4)
 - Psychology 231. Measurement in Psychology (4)

(Continued on the following page)

- C. Psychology 205. History and Systems of Psychology (4)
- D. Four additional courses in the department, chosen in consultation with the student's adviser (may include courses not chosen in A and B above). However, only two courses of the following type may be counted toward the major: fieldwork, practicum, directed research, and independent study.
- E. Psychology 295. Senior Seminar in Psychology (4)

REQUIREMENTS FOR THE MINOR IN PSYCHOLOGY

24 units (6 courses) selected from upper division Psychology courses, except Psychology 295. Only two courses of the following type may be counted toward the minor: fieldwork, practicum, directed research, and independent study. Psychology 135 may be substituted for one upper division course.

REQUIREMENTS FOR THE MINOR IN PSYCHOBIOLOGY

Refer to the Psychobiology course offerings listed separately under the title "Psychobiology" on page 305.

COURSE OFFERINGS IN PSYCHOLOGY

Lower Division

- 100. **BASIC STUDIES PSYCHOLOGY (4)**. The dimensions, concepts, theories, and applications of psychology. The relationships between psychology and other disciplines.
- 130. **ELEMENTARY STATISTICAL ANALYSIS IN PSYCHOLOGY (4)**. The application of descriptive and inferential statistics to the design and analysis of psychological research.
- 135. **INTRODUCTION TO RESEARCH METHODS (4)**. Examination of the design, conduct, and interpretation of research studies, both experimental and non-experimental, as demonstrated in a wide range of psychological phenomena. Includes a consideration of philosophy of science and preparation of research reports. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Psychology 130 or Mathematics 150 and Psychology 100. Note: Students are encouraged to take this course as early in their program as possible.*

Upper Division

- 205. **HISTORY AND SYSTEMS OF PSYCHOLOGY (4)**. The study of the development of psychology as a discipline, and the influence of principal leaders on modern psychology.
- 210. **FUNDAMENTALS OF LEARNING (4)**. Human and animal conditioning, extinction, generalization, and discrimination with emphasis on experimental findings and methodology. *Four hours of lecture. Prerequisites: Psychology 130 or Mathematics 150 and Psychology 135.*
- 210L. **LABORATORY IN FUNDAMENTALS OF LEARNING (1)**. Observations and experiments on selected topics in learning covered in Psychology 210. *Three hours of laboratory per week. Prerequisites: Psychology 130 or Mathematics 150 and Psychology 135; concurrent enrollment in Psychology 210.*
- 211. **HUMAN LEARNING (4)**. An examination of method, theory, and experimental evidence in the areas of verbal learning and verbal behavior, memory, transfer, and languages. *Four hours of lecture. Prerequisites: Psychology 130 or Mathematics 150 and Psychology 135.*

- 211L. LABORATORY IN HUMAN LEARNING (1).** Observations and experiments on selected topics in learning covered in Psychology 211. *Three hours of laboratory per week. Prerequisites: Psychology 130 or Mathematics 150 and Psychology 135; concurrent enrollment in Psychology 211.*
- 212. THEORIES OF LEARNING (4).** Consideration of the major theories of learning and their experimental bases.
- 213. MOTIVATION AND EMOTION (4).** The consideration of theories of motivation and emotion including an intensive study of experimental research on drives, needs, preferences, and situational determinants of behavior. *Prerequisites: Psychology 130 or Mathematics 130 and Psychology 135.*
- 214. BEHAVIOR MODIFICATION (4).** The application of principles and concepts from the experimental analysis of behavior to problems outside the laboratory. Each student will successfully complete a project. *Prerequisite: Psychology 100 or equivalent. F*
- 215. THINKING AND COGNITION (4).** An examination of theory and research in higher mental processes, including such topics as information processing, problem solving, concept formation, decision making and judgment, representation of meaning, artificial intelligence and the reading process.
- 215L. LABORATORY IN THINKING AND COGNITION.** Observations and experiments on selected topics in thinking and cognition covered in Psychology 215. *Prerequisites: Psychology 130 and Psychology 135 or concurrent enrollment in Psychology 215.*
- 216. SENSATION AND PERCEPTION (4).** A critical examination of the physiological mechanisms of various sense modalities, and the aesthetic and social factors involved in perception and complex human and animal behavior. *Four hours of lecture.*
- 216L. LABORATORY IN SENSATION AND PERCEPTION (1).** Observations and experiments on selected topics in sensation and perception covered in Psychology 216. *Three hours of laboratory per week. Prerequisite: Psychology 130 or Mathematics 150 and Psychology 135; concurrent enrollment in Psychology 216.*
- 217. NEUROPSYCHOLOGY (4).** The study of the neuropsychological mechanisms of human and animal behavior. Review of the anatomy and physiology of the central and peripheral nervous systems relative to specific problems in psychology. *Four hours of lecture.*
- 217L. LABORATORY IN NEUROPSYCHOLOGY (1).** Observations and experiments on selected topics in neuropsychology covered in Psychology 217. *Three hours of laboratory per week. Prerequisites: Psychology 130 or Mathematics 150 and Psychology 135; concurrent enrollment in Psychology 217.*
- 218. COMPARATIVE PSYCHOLOGY (4).** A systematic investigation of the evolution of behavior, based on a comparative study of a number of species and leading to the development of psychological principles. *Four hours of lecture.*
- 218L. LABORATORY IN COMPARATIVE PSYCHOLOGY (1).** Observations and experiments on selected topics in comparative psychology covered in Psychology 218. *Prerequisites: Psychology 130 or Mathematics 150 and Psychology 135; concurrent enrollment in Psychology 218.*
- 219. THE CHEMISTRY OF BEHAVIOR (4).** Consideration of the major theories and experimental evidence leading to the establishment of a chemical basis of psychological phenomena. Examination of the effects of drugs in addiction and chemotherapy; a review of the nature and effects of pheromones; and the use of drugs in animal immobilization.

- 220. PSYCHOPHARMACOLOGY (4).** Effects of drugs on mood, personality and behavior. Drug use in treatment of mental disorders in children, adults, and the elderly. *Prerequisite: Psychology 219 recommended.*
- 230. BEHAVIORAL STATISTICS AND RESEARCH DESIGN (4).** The applications of statistical techniques to problems in the behavioral sciences. Discussion of problems in hypothesis formulation, sampling techniques, distribution-free statistics, multivariate data analysis, and presentation of results. *Two hours of lecture and discussion and four hours of laboratory per week. Prerequisite: Psychology 130 or Mathematics 150.*
- 231. MEASUREMENT IN PSYCHOLOGY (4).** Fundamentals of psychological measurement. Reliability, validity, item analysis, norms, and test construction and selection. Experience in administering, scoring, and interpreting tests of intelligence, aptitude, and personality. *Three hours of lecture and discussion and two hours of laboratory per week. Prerequisite: Psychology 130 or Mathematics 150.*
- 240. SOCIAL PSYCHOLOGY: PSYCHOLOGICAL PERSPECTIVE (4).** A broad survey of theories and research areas in social psychology. Including such topics as aggression, prejudice, person perception, leadership, and conformity.
- 241. ATTITUDES AND ATTITUDE CHANGE (4).** A study of the concept and measurement of attitudes and a critical examination of the formal and informal properties of attitude change theories, including assumptions, predictions, and empirical support.
- 242. INTERPERSONAL AND GROUP DYNAMICS (4).** Methods, theories, and research findings concerning interpersonal dynamics and the dynamics of small groups. The class will learn communication skills and participate in various aspects of group experience.
- 243. RESEARCH IN SOCIAL PSYCHOLOGY (5).** Laboratory experience in planning and executing experiments and studies, using social psychological techniques and methods of investigation. A consideration of research procedures such as correlational studies, field studies, role play, simulation, and experimental and laboratory methods. *Four hours of lecture and discussion and three hours of laboratory per week. Prerequisites: Psychology 135 and 240; Psychology 130 or Mathematics 150.*
- 250. DEVELOPMENTAL PSYCHOLOGY (4).** The cognitive, psychological, and social development of the child from birth to adolescence. Fieldwork at discretion of instructor.
- 251. PSYCHOLOGY OF ADOLESCENT EXPERIENCE (4).** Consideration of the major theories and research concerning development during adolescence. Emphasis on the development of personal identity as it relates to social roles in adolescence. *Three hours of lecture, with field work by arrangement.*
- 252. PSYCHOLOGY OF ADULT DEVELOPMENT AND AGING (4).** Theories and research in adult development and aging, including the effects of physiological and socio-economic changes on psychological variables within an aging population.
- 253. THE EXPERIENCE OF DEATH AND DYING: PSYCHOLOGICAL PERSPECTIVES (4).** Readings, discussion, and case studies in the psychodynamics of reactions to death and behavior patterns coping with impending or recent death, loss, and grief; attitudes towards death and dying; the fear of death; children's response to death.

- 254. CLINICAL PRACTICUM IN LIFE-SPAN DEVELOPMENT (4).** An intensive examination of clinical issues, approaches, and techniques appropriate to different developmental stages, including supervised practice in field settings. Different sections of the course will focus on one of the following two specific topics:
 Clinical Practicum: Counseling the Family
 Clinical Practicum: Counseling the Older Adult
Three hours of lecture with laboratory and fieldwork by arrangement. Students wishing to receive credit for both practica need permission from their advisor. Prerequisite: Psychology 264 and Psychology 267 or consent of instructor.
- 255. FIELDWORK IN DEVELOPMENTAL PSYCHOLOGY (4).** Intensive supervised experience in various settings such as research laboratories, schools and community agencies in observing, recording, and interpreting individual and group behavior of children and adolescents. *Prerequisites: Psychology 250 and consent of instructor.*
- 260. THEORIES OF PERSONALITY (4).** A study of basic theories of personality including type theories; trait theories; psychoanalytic, learning, bisocial, self, and holistic-integrative theories.
- 261. RESEARCH IN PERSONALITY (5).** A research-oriented study of issues and problems in personality, with emphasis on research methods and interpretation of research findings. Biological determinants, development, structure, dynamics, stability, and disturbance of personality. *Four hours of lecture and discussion, and three hours of laboratory per week. Prerequisites: Psychology 260, Psychology 135, and Psychology 130 or Mathematics 150.*
- 263. THE ABNORMAL PERSONALITY (4).** The causes and manifestations of abnormal behavior. Field study and case study. *Four hours of lecture.*
- 264. INTRODUCTION TO CLINICAL PSYCHOLOGY (4).** An overview of psychology in the clinical situation. The scope, ethics, theories, and methods of clinical psychology. *Field observations by arrangement. Prerequisite: Psychology 263.*
- 265. COUNSELING THEORY (4).** Detailed study and critical evaluation of theories of counseling, past and present, with attention to their applications in a variety of settings (schools, industry, community centers.) Fieldwork at discretion of instructor. *Prerequisite: Psychology 260.*
- 267. INTRODUCTION TO CLINICAL METHODS (4).** Supervised training and practice in clinical skills, including interviewing techniques, counseling skills, and community intervention. Lecture will provide theoretical and empirical rationale for applied skills and techniques, and supervised practice will provide experience and personal feedback on the effectiveness of applying such skills. *Prerequisites: Psychology 263 and Psychology 264.*
- 268. HUMAN SEXUALITY (4).** Course will cover the physiological and psychological aspects of human sexuality. The origin and treatment of sexual dysfunction will also be discussed.
- 270. COMMUNITY PSYCHOLOGY: ISSUES AND PRACTICE (4).** Introduction to issues and concepts in community psychology, including the study of community organization and intervention programs. *Prerequisite: Psychology 263 or consent of instructor.*
- 272. INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (4).** Survey of the application of psychology to organization, personnel, work environment, buying, and selling, with particular attention to current issues.
- 274. PSYCHOLOGY OF RELIGION (4).** A study of psychological processes in terms of religious experiences and the manifestations of these experiences. *Prerequisite: Psychology 275 recommended.*

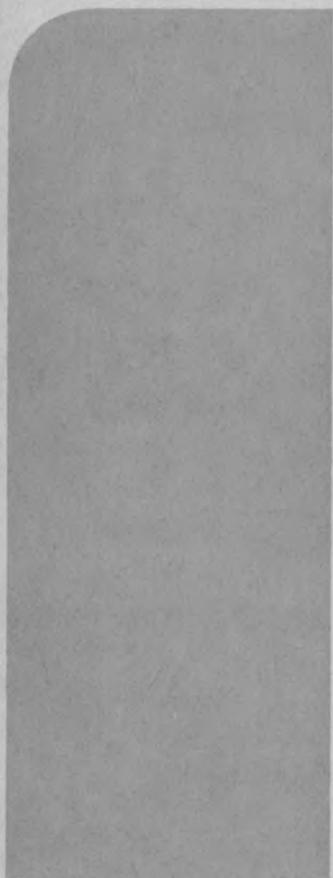
275. **PSYCHOLOGY OF CONSCIOUSNESS (4)**. An overview of psychology's approach to consciousness, including discussion of altered states of consciousness, sleep, hemisphere consciousness, drugs, meditation, and spiritual disciplines.
276. **PSYCHOLOGY OF FEMALE IDENTITY (4)**. Antecedents of identity and the self concept of women. Intrapersonal dynamics and interpersonal relationships as affected by role socialization and the social environment.
278. **PSYCHOLOGY OF LANGUAGE AND COMMUNICATION (4)**. A survey of the psychological processes involved in language and communication, including animal communication, non-verbal communication, development of oral and written language, relationship between language and thought, language and the brain, and language disabilities.
280. **PSYCHOLOGY OF THE MEXICAN AMERICAN I (4)**. The psychological development and socialization of the Mexican American. The Mexican American as unique from both mother culture and dominant culture, especially a consideration of how language, color, and socio-economic class affect the individual. (*Psychology 240 recommended.*)
281. **PSYCHOLOGY OF THE MEXICAN AMERICAN II (4)**. Acculturation, roles and stereotypes, psychopathology and adjustment patterns in the Mexican American. *Prerequisite: Psychology 280 or the equivalent; Psychology 240 is recommended.*
282. **PSYCHOLOGICAL DEVELOPMENT OF THE BLACK CHILD (4)**. Unique environmental influences on the psychological development of the Black child, from the prenatal period through elementary school. Emphasis on social, intellectual and emotional growth. *Three hours of lecture and fieldwork by arrangement.*
283. **PSYCHOLOGY OF THE BLACK EXPERIENCE (4)**. An investigation into the dynamics of the Black personality, and the influence of American social institutions. Focus on the various types of psychological adaptations, identity conflicts, problems of self-esteem, and evaluation of Black consciousness.
292. **SEMINAR ON SPECIAL TOPICS IN PSYCHOLOGY (4)**. An intensive study of a psychological topic which commands the current focus of interest of both the faculty member and the students. *If repeated, the course will count only once toward the major. Prerequisite: Consent of instructor.*
295. **SENIOR SEMINAR IN PSYCHOLOGY (4)**. A seminar designed to integrate previous work and experience by approaching broad psychological problems from the perspectives of various areas within the discipline. Emphasis on current psychological literature. *Prerequisite: Consent of instructor.*
296. **PRACTICUM IN PSYCHOLOGY (4)**. Supervised work experience in applied psychology, with emphasis upon human services and educational settings. Supervision emphasizes training and application of clinical, interviewing, and other helping skills, didactic methods, group techniques, methods of evaluation and/or other skills specific to fieldwork needs. Students gain experience in a variety of fieldwork placements such as hospitals, community agencies providing human services, college classrooms, and academic skills centers. Various sections are offered with focus on specialized educational and social services placements. Human Service sections repeatable for Human Service majors. *Two hours of lecture with laboratory and fieldwork by arrangement. Prerequisites: Consent of instructor, junior or senior standing, one upper division psychology course, course related to practicum content.*

297. **DIRECTED RESEARCH (2, 4).*** The student develops and completes an individual study under faculty supervision. *Prerequisite: Consent of instructor.*
298. **INDEPENDENT STUDY (2, 4).*** A reading program of selected topics conducted under the supervision of a faculty member. *Prerequisite: Consent of instructor.*

Graduate

See the Graduate Bulletin in this catalog for all graduate courses in Psychology offered at California State University Dominguez Hills.

* Repeatable course.



PUBLIC ADMINISTRATION

(School of Management)

Chairperson: T. Zane Reeves, Ph.D., Associate Professor

Professors: Gary B. Colboth, J.D.; Donald R. Gerth, Ph.D.

Associate Professor: R. Kenneth Fleagle, D.P.A.; Steven W. Hays, Ph.D.

Assistant Professors: Jeffrey W. Smith, M.B.A.; Ira S. Schoenwald, Ph.D.

The department offers undergraduate and graduate degree programs in Public Administration. The undergraduate program in Public Administration, leading to a Bachelor of Science degree, is designed to:

(1) Prepare men and women for careers in Public Administration within the several levels of government and for employment with other publicly oriented institutions and organizations;

(2) Improve the skills of public administration practitioners who require additional education for their career development, and

(3) Prepare students who are planning to continue their education at graduate or professional schools.

A total of 72 quarter units of coursework is required for the undergraduate major in Public Administration. Each student is required to complete a core of required courses, courses in a specialized public administration concentration, and elective courses in political science and public administration.

(All graduate courses in Public Administration are listed in the Graduate Bulletin in this catalog, with the requirements for graduate degrees and credentials offered by the University.)

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN PUBLIC ADMINISTRATION

Students majoring in Public Administration must complete a required core of 40 units of lower and upper division courses in business administration, English, mathematics or psychology, political science, and public administration; and a field of concentration of 20 units selected in consultation with a departmental advisor. The student must also take an additional 12 units in public administration and political science courses, for a total of 72 quarter units.

Lower Division (8 units)

Business Administration 170. Introduction to Computers and Data Processing (4)

+ Mathematics 150. Elementary Statistics and Probability (4), *or*

Political Science 151. Quantitative Methods of Political Analysis (4), *or*

Psychology 150. Elementary Statistical Analysis in Psychology (4)

+ Consult course description for prerequisite.

Upper Division

A. Required Courses: (32 units)

- English 252. Writing and Speaking Skills for Management (4)
- Political Science 210. Issues in American National Government (4), *or*
Political Science 254. American Political Thought (4)
- Public Administration 200. Perspectives on Public Management (4)
- Public Administration 201. Administrative Leadership and Behavior (4)
- Public Administration 202. Philosophy and Ethics of Public Administration (4)
- + Public Administration 204. Quantitative Methods in Public Administration (4)
- Public Administration 206. Administration of Financial Resources (4)
- Public Administration 207. Public Personnel Administration (4)

B. Area of concentration in Public Administration (20 units). Each student must select a field of concentration from among the following:

- Administrative Management
- Criminal Justice Administration
- Health Services Administration
- Public Finance and Budgeting
- Public Personnel Administration
- Urban Administration

Lists of courses appropriate to each concentration appear in a brochure more fully describing the undergraduate Public Administration program available through either the department office (NSM A143) or the School of Management's Student Advisement Center (SBS B217). Appropriate courses are also listed on the bulletin board next to the Advisement Center.

C. To gain additional breadth in the discipline a student must select three courses (12 quarter units), other than core courses or courses taken in fulfillment of requirements in a concentration: *two* in Public Administration and *one* in Political Science.**REQUIREMENTS FOR A MINOR IN PUBLIC ADMINISTRATION**

A minor in Public Administration is available for students majoring in other fields. It offers a general exposure to the field and consists of a total of 24 quarter units in public administration.

A. For students who have *not* had the equivalent of two or more years of administrative work experience, three courses are required:

- Public Administration 200. Perspectives on Public Management (4)
 - Public Administration 201. Administrative Leadership and Behavior (4)
 - Public Administration 202. Philosophy and Ethics of Public Administration (4)
- and *three* other courses in Public Administration which may be selected in consultation with a departmental advisor, subject to approval by the Chairperson of the Department of Public Administration.

or

B. Students who have had the equivalent of two or more years of administrative work experience may select six courses in Public Administration in consultation with a departmental advisor, subject to approval by the Chairperson of the Department of Public Administration.

+ Consult course description for prerequisite.

COURSE OFFERINGS IN PUBLIC ADMINISTRATION

Upper Division

- 200. PERSPECTIVES ON PUBLIC MANAGEMENT (4).** Management theory; functions of the public sector administrator, including planning, controlling, directing, staffing and the unique political environment within which these activities must be performed; functions and processes of public administration. F(d/e), W(d/e), S(d/e)
- 201. ADMINISTRATIVE LEADERSHIP AND BEHAVIOR (4).** Functions and responsibilities of the manager; motivation and leadership; interpersonal and group relationships; identification and analysis of political and organizational power; application of appropriate models of organization, leadership, and decisionmaking; organizational stresses, limitations, and change. F(d/e), W(d/e), S(d/e)
- 202. PHILOSOPHY AND ETHICS OF PUBLIC ADMINISTRATION (4).** History of administrative ideas; administrative theory; concept and application of public service ethics; political and administrative values and processes; public managers in the political system; contemporary issues. F(d/e), W(d/e), S(d/e)
- 204. QUANTITATIVE METHODS IN PUBLIC ADMINISTRATION (4).** Role and application of quantitative methodology in public management; review of mathematical and statistical functions; basic concepts of social science research and rational decisionmaking; decision theory, control theory, models and modeling; introduction to the uses and application of computer technology. *Prerequisite: Mathematics 150 or Political Science 151 or Psychology 150 or equivalent.* F(e), W(d), S(d/e)
- 206. ADMINISTRATION OF FINANCIAL RESOURCES (4).** Administrative and political considerations of fiscal policy; the budgetary process and fiscal controls; financial management and planning; government and the economy; intergovernmental fiscal relations and nature of grants-in-aid; alternate revenue sources; contemporary issues. F(d), W(e), S(d/e)
- 207. PUBLIC PERSONNEL ADMINISTRATION (4).** Study of policies, methods, and techniques in Public Personnel Administration; government personnel systems; manpower management; values in public career systems; concepts of man and work; motivation and morale; training; labor-management relations; contemporary issues. F(d/e), W(d/e), S(d/e)
- 212. ADMINISTRATIVE LAW (4).** Role and nature of administrative law; procedural requirements and judicial review of administrative actions; safeguards against arbitrary action; delegation of legislative power; legal principles and trends in the development of public administration.
- 214. WAGE AND SALARY ADMINISTRATION (4).** Techniques and practice of designing and administering a wage and salary program for a governmental agency. Emphasis will be upon the construction of an integrated salary schedule. *Prerequisite: Public Administration 207.*
- 215. LABOR-MANAGEMENT RELATIONS IN GOVERNMENT (4).** Developments in public employee unionization; collective bargaining laws and strategies; bargaining as a technical and political process; strikes and impasse machineries; employee organizations and public policy; administrative implication of public service unionism.
- 217. PUBLIC BUREAUCRACY (4).** Analysis of interval characteristics and processes common to all public bureaucracies; impact of organizational factors on human behavior; bureaupathologies, conflict, goal displacement, control processes, and survival within the public organizational setting; cases.

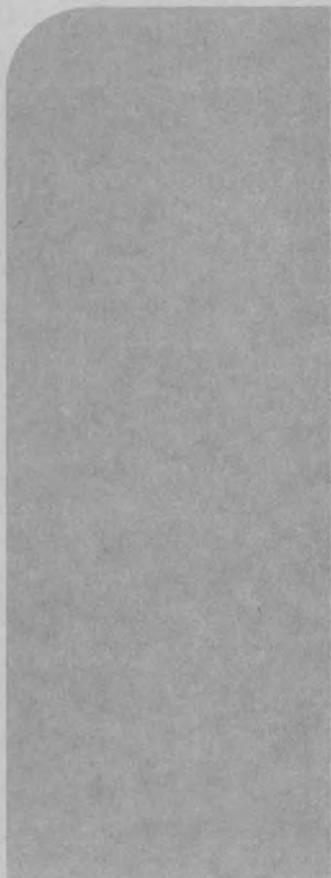
219. **COMPARATIVE PUBLIC ADMINISTRATION (4)**. Comparative ecology of public administration in selected countries; analysis of similarities and differences in administrative structures and functions in developed and developing nations; practicalities of cross-cultural transferability of administrative concepts and processes.
220. **ADMINISTRATION OF PUBLIC POLICY (4)**. Policy decisions and their implementation and evaluation; introduction to the application of administrative and analytical tools to the solution of public problems.
224. **DECISION-MAKING IN ADMINISTRATION (4)**. Rational decision theory and decisionmaking practices of public administration; economic concept of utility and optimization; decisionmaking strategies under uncertainty, risk, and competition; identifying analytic problems and strategies for their solution; practical exercises using quantitative techniques. *Prerequisite: Mathematics 102 or two full years of high school algebra.*
225. **MANAGEMENT SYSTEMS ANALYSIS (4)**. Program analysis for public sector management; frameworks for comparing alternative public policies and actions; information systems; management planning; modeling; emphasis on conceptual frameworks rather than on mathematical techniques. *Prerequisite: Senior standing.*
230. **INTERGOVERNMENTAL RELATIONS AND ADMINISTRATION (4)**. Administrative concerns with relationships among federal, state, and local governments in the United States; grants-in-aid, interstate compacts; expanding area of intergovernmental cooperation in functional areas of administration; developments in governmental administrative reorganization in the United States.
234. **ADMINISTRATIVE PLANNING (4)**. A review of the techniques of administrative planning to include normative forecasting, planning and policy formation. The future environment of local government services to include demands and resources will be explored within the framework of systems analysis and policy sciences.
236. **URBAN ADMINISTRATION (4)**. Structures and processes of administrative agencies in the urban setting; inter-agency relations; administration of urban public services; functions and problems of the urban public executive.
237. **PERSPECTIVES ON URBAN ISSUES (4)**. Political and environmental conditions in contemporary urban America, with special reference to their influence on administration decisions and capabilities; discussion of specific issues of current significance.
238. **PRINCIPLES AND PRACTICES OF URBAN PLANNING (4)**. Theories of urban planning; administration of the planning process; techniques of developing an urban general plan.
239. **SOCIAL CHANGE AND THE ADMINISTRATIVE PROCESS (4)**. Current trends and future models of American society, with particular reference to the forms and modes of administration as social change agency; inter-group conflicts and social change; contemporary social movements; development of models in administration to deal with social change.
240. **POLICE ADMINISTRATION IN AMERICA (4)**. Survey of the purpose, function, and history of agencies dealing with the administration of justice; organization of law enforcement agencies at federal, state, and local levels; police patrol and operational practices; administrative methods and techniques.
243. **CRIMINAL JUSTICE AND THE COMMUNITY (4)**. Political, cultural, and social environment of criminal justice administration; police-community relations; accountability of criminal justice agencies to the political and legal order.

244. **COURT ADMINISTRATION (4)**. Internal management of judicial systems: case flow and jury system management; personnel and financial administration of courts; judicial discipline, removal and selection; courthouse, space and records management; current judicial dilemmas and reform proposals.
245. **LEGAL FOUNDATIONS OF JUSTICE ADMINISTRATION (4)**. Local, state, and federal judicial systems; constitutional, judicial, and legislative influences on the administration of justice.
270. **ESSENTIALS OF HEALTH CARE ADMINISTRATION (4)**. Development and administration of health care institutions on national, state, and local levels; concepts and theories of administration of major health institutions and agencies; introduction to management's role and responsibilities in planning, personnel administration, and coordination among many diverse technical administrative units.
276. **HEALTH CARE ORGANIZATIONS (4)**. Environment of health care within national, state, and community health institutions; focus on the differing organizations, philosophies, institutions, and modes of operations of the health service system in the United States, including major forms of health care delivery; organizational arrangements and coordination among governmental, proprietary, non-profit, and voluntary institutions.
279. **HEALTH POLICY (4)**. Examination of current issues, trends, and problems in health care, including public policy on the national, state, and local community levels. Emphasis will be given to the changing nature of medical care delivery, the policy formation process, professional dominance, and new developments in organizational forms. *Prerequisite: Public Administration 276.*
292. **SPECIAL TOPICS IN PUBLIC ADMINISTRATION (4)***. An intensive study of an issue, concept, or administrative technique that is of interest to both students and faculty of public administration.
295. **INDEPENDENT STUDY (2, 4)***. Independent investigation of a research problem or directed readings in a selected area of public administration. *Prerequisite: Consent of the Department.*

Graduate

See the Graduate Bulletin in this catalog for all graduate courses in Public Administration offered at California State University Dominguez Hills.

* Repeatable course.



PUBLIC PARALEGAL STUDIES

(School of Social and Behavioral Sciences)

Coordinator: William R. Blischke, Ph.D., Sociology

The certificate in Public Paralegal Studies is designed to prepare and qualify recipients for employment as paralegal assistants in the public sector. Public paralegals will be trained to play the role of liaison between clients and lawyers in legal aid programs, consumer and environmental agencies, public defenders offices, senior citizen projects, etc. Paralegal work involves interviewing, investigation, representing clients before administrative agencies, assisting in the drafting of legislation and various other para-professional legal activities.

REQUIREMENTS FOR THE CERTIFICATE IN PUBLIC PARALEGAL STUDIES

A. Core Courses (24 units).

1. Paralegal Studies 200. Introduction to Paralegal Studies (4)
- Paralegal Studies 201. Legal Research, Writing and Analysis (4)
- Paralegal Studies 202. Legal Interviewing and Counseling (4)
2. *Three* substantive courses from at least two departments, to be selected in consultation with the student's advisor:
 - Political Science 261. American Constitutional Law: Civil Rights (4)
 - Political Science 263. Consumer and Environmental Law (4)
 - Political Science 266. Criminal Law and Procedures (4)
 - Public Administration 212. Administrative Law I (4)
 - Public Administration 213. Administrative Law II (4)
 - Political Science 268. Family Law (4)
 - * Public Administration _____ Property Law (4)

B. *Three* additional law-related courses from at least two departments, to be selected in consultation with the student's advisor (12 units).

- Economics 282. Economics of Poverty (4)
- History 227. Law and Society (4)
- Philosophy 232. Philosophy of Law (4)
- Political Science 200. Citizen Law (4)
- Political Science 260. American Constitutional Law: Distribution of Power (4)
- Political Science 262. Consumer Protection Law and Policy (4)
- Public Administration 243. Criminal Justice and the Community (4)
- Public Administration 245. Legal Foundations of Justice Administration (4)
- Public Administration 262. Environmental Protection Administration (4)
- Sociology 260. Minority Racial and Ethnic Relations (4)
- Sociology 267. Sociology of Law (4)
- Sociology 268. Criminology (4)
- Sociology 310. Social Stratification and Class (4)
- Sociology 336. Sociology of Economic Life (4)

C. Internship (4 units)

- Paralegal Studies 296. Internship (2)

* To be developed.

COURSE OFFERINGS IN PUBLIC PARALEGAL STUDIES

- 200. INTRODUCTION TO PARALEGAL STUDIES (4).** An introduction to the role and function of the paralegal, the structure and function of law and the court system, case reporting and analysis, the operations of a law office, law ethics, and an overview of various substantive fields with an emphasis on public law.
- 201. LEGAL RESEARCH, WRITING, AND ANALYSIS (4).** An examination of the fundamentals of legal research, the use of law library, and legal research tools. Practice in analyzing practical public law problems and drafting legal documents. *Prerequisite: Paralegal Studies 200.*
- 202. LEGAL INTERVIEWING AND COUNSELING (4).** Theory and practice of interviewing and counseling in the public law sector with an emphasis on the techniques of information gathering used to assist attorneys in analyzing, evaluating and determining the legal needs of clients. Simulated interviewing and counseling situations will be utilized. *Prerequisite: Paralegal Studies 200.*
- 296. INTERNSHIP (2).*** Supervised work experience in the public paralegal field with emphasis on training and application of legal research, writing, and interviewing skills. Students gain experience in a variety of field work placements such as local and state governmental agencies, public and private paralegal positions in the court system, legal aide, public defenders' offices, city attorney offices, and other community agencies providing legal and human services. *One hour of discussion, plus field work by arrangement. Prerequisite: Paralegal Studies 200, 201, 202, and consent of and prior arrangement with Paralegal Studies Committee.*

* Repeatable course.

RECREATION

(School of Education)

Coordinator: Daniel B. Sawyer, Ph.D., Professor

The area of Recreation is within the Department of Physical Education and Recreation and offers a curriculum leading to a Bachelor of Arts degree. Students can complete a major with one of the following options: (1) Recreation or (2) Recreation Gerontology. In addition, the Recreation area offers a Recreation minor. A minor in another field is required of all Recreation majors.

Students choosing a Recreation major may minor in Physical Education, or, with a Recreation minor, may choose to major in Physical Education. It is also possible to have a double major in Recreation and Physical Education.

The Recreation major is designed for students who wish to pursue a career in the field of recreation and leisure services. The two options are:

The *Recreation option* which consists of core classes essential to preparation for employment in recreation fields, along with a selection of more specialized courses that emphasize such specialties as Recreation Therapy, Recreation Administration, or Recreation Specialist. An interdisciplinary approach expands students' knowledge to meet requirements of a particular area of emphasis. Specialized course selection should be made in consultation with a faculty advisor.

The *Recreation Gerontology option* consists of core classes essential to preparation for employment in this field, along with a selection of interdisciplinary classes designed to expand students' knowledge of a particular area of emphasis. Specialized course selection must be made in consultation with a faculty advisor.

REQUIREMENTS FOR THE MAJOR IN RECREATION

Lower Division (24 units)

- Physical Education 118. First Aid and Cardiopulmonary Resuscitation (CPR) (4)
- Recreation 120. Introduction to Recreation (4)
- Recreation 121. Comparative Areas of Recreation (4)
- Recreation 122. Camp Leadership (4)
- Recreation 124. Leadership in Recreation (4)
- Recreation 125. Introduction to Therapeutic Recreation (4)

Upper Division

A. Required Courses (32 units):

- +Recreation 230. Leisure in Contemporary Society (4)
- +Recreation 231. Programming in Recreation (4)
- +Recreation 233. Management of Recreation and Park Areas/Facilities (4)
- +Recreation 234. Recreation and Gerontology (4)
- +Recreation 235. Supervision of Recreational Facilities/Programs (4)
- +Recreation 236. Recreation in Corrective Institutions (4)
- +Recreation 256. Fieldwork in Public Agencies (4), *or*
- +Recreation 257. Fieldwork in Private Agencies (4)
- +Recreation 258. Senior Seminar in Recreation (4)

+ Consult course description for prerequisite.

B. Select *four* additional courses (16 units) from the following offerings in disciplines other than Physical Education and Recreation. No more than two courses may be taken from any one discipline and all four courses should be selected with the guidance of a departmental advisor:

- Biological Science 256. Human Anatomy and Physiology (4)
- Biological Science 286. Human Aging (4)
- Communications 265. Introduction to Public Relations (4)
- English 204. Fundamentals of Public Speaking (4)
- Geography 235. Urban Geography (4)
- Psychology 240. Social Psychology: Psychological Perspective (4)
- Psychology 250. Developmental Psychology (4)
- Psychology 292. Seminar on Special Topics in Psychology: Adult Psychology and Aging (4)
- Public Administration 201. Administrative Leadership and Behavior (4)
- Public Administration 206. Administration of Financial Resources (4)
- Sociology 224. Sociology of Leisure and Sport (4)
- Sociology 229. Sociology of Adult Life and Aging (4)
- Sociology 240. Social Psychology: Sociological Perspective (4)
- Sociology 265. Deviant Behavior (4)
- Sociology 269. Juvenile Delinquency (4)

Students should consult with faculty advisors concerning additional courses which may be recommended in accordance with their objectives.

REQUIREMENTS FOR THE GERONTOLOGY OPTION IN RECREATION

Lower Division

A. Required Courses:

- Physical Education 118. First Aid and Cardiopulmonary Resuscitation (CPR) (4)
- Recreation 120. Introduction to Recreation (4)
- Recreation 121. Comparative Areas in Recreation (4)
- Recreation 124. Leadership in Recreation (4)
- Recreation 125. Introduction to Therapeutic Recreation (4)

Upper Division

B. Required Courses:

- +Recreation 231. Programming in Recreation (4)
- +Recreation 234. Recreation and Gerontology (4)
- +Recreation 258. Senior Seminar in Recreation (4)
- +Recreation 260. Internship in Recreation (6)
- Anthropology 244. Aging in Cross-Cultural Perspective (4)
- +Biological Science 286. Human Aging (4)
- Psychology 252. Psychology of Adult Development and Aging (4)
- +Psychology 254. Clinical Practicum and Life Span Development (4)

C. Select *three* additional courses (12 units) from the following offerings. Student must take no more than *two* from any one discipline, selected with the guidance of a departmental advisor:

- +Biological Science 256. Human Anatomy and Physiology (4)
- Communications 265. Introduction to Public Relations (4)
- English 204. Fundamentals of Public Speaking (4)

(Continued on the following page)

- Geography 235. Urban Geography (4)
- Psychology 240. Social Psychology: Psychological Perspective (4)
- Psychology 250. Developmental Psychology (4)
- Psychology 253. Death and Dying: Psychological Perspectives (4)
- Psychology 263. Abnormal Personality (4)
- Public Administration 201. Administrative Leadership/Behavior (4)
- Public Administration 206. Administration of Financial Resources (4)
- +Recreation 256. Fieldwork/Public Agencies (4) *or*
- +Recreation 257. Fieldwork/Private Agencies (4)
- Sociology 212. The Urban Community (4)
- Sociology 215. Selected Contemporary Social Problems (4)
- Sociology 224. Sociology of Leisure and Sport (4)
- Sociology 229. Sociology of Adult Life and Aging (4)
- Sociology 240. Social Psychology: Sociological Perspective (4)
- Sociology 266. Social Aspects of Mental Illness (4)

REQUIREMENTS FOR THE MINOR IN RECREATION

Lower Division Prerequisites

- Recreation 120. Introduction to Recreation (4)
- Recreation 121. Comparative Areas of Recreation (4)

Upper Division

A. Required Courses:

- +Recreation 230. Leisure in Contemporary Society (4)
- +Recreation 231. Programming in Recreation (4)
- +Recreation 256. Fieldwork in Public Agencies (4), *or*
- +Recreation 257. Fieldwork in Private Agencies (4)

B. *Three* additional courses from the following list selected with consent of a departmental advisor:

- Recreation 124. Leadership in Recreation (4)
- +Recreation 233. Management of Recreation and Park Areas/Facilities (4)
- +Recreation 234. Recreation and Gerontology (4)
- +Recreation 236. Recreation and the Corrective Institutions (4)
- +Recreation 258. Senior Seminar in Recreation (4)

COURSE OFFERINGS

Lower Division

- 100. RECREATION IN AMERICAN SOCIETY (4).** Investigate the phenomenon of recreative experience and man's need for recreative activity. Develop an awareness of the impact of leisure on American society. Enable the student to develop a personal philosophy of recreation. Provide information relative to recreation at all levels of government to enhance citizen participation. F(d), W(d), S(d)
- 120. INTRODUCTION TO RECREATION (4).** A brief insight into the foundations of the recreation profession, including discussion of goals, philosophies, and ideologies of the current movement. Emphasis on relating leisure lifestyles to present-day existence in the society. Specific areas that will be covered are sports management, intramurals, leagues and tournaments, and an in-depth study of a recreation agency. F(e), W(d)

+ Consult course description for prerequisite.

121. **COMPARATIVE AREAS OF RECREATION (4)**. Exposure to different agencies in the recreation profession; includes industrial, commercial, community, social, cultural, therapeutic, and park/school options. Actual visitation to these different agencies with subsequent class discussions relating to these experiences. *Two hours of lecture and six hours of laboratory a week.* F(d)
122. **CAMP LEADERSHIP (4)**. Analysis of techniques of camp counseling, program planning, and the theory of camping. Deals with operation of recreational camps for long-term, short-term, and rural camping programs. *Three hours of lecture and two hours of laboratory per week.* S(d)
124. **LEADERSHIP IN RECREATION (4)**. Introduction to leadership with emphasis on general approaches and application in recreation program settings. Social dynamics of participating in recreation activities. Leadership skills and techniques will be stressed. F(e), W(e)
125. **INTRODUCTION TO THERAPEUTIC RECREATION (4)**. Historical review of therapeutic recreation: identification of recreational needs on field trips to settings serving the mentally and physically handicapped, the developmentally disabled, the aged, the convalescent and the socially deviant. Application of therapeutic recreational techniques, adaptive games, and activities for atypical populations and in leisure counseling settings. F(d), S(d)

Upper Division

230. **LEISURE IN CONTEMPORARY SOCIETY (4)**. Analysis of varying points of view regarding leisure and its influence on society; examination of traditional and modern theoretical explanations of recreation; the relationship of leisure and recreation; responsibilities of public, private, and commercial agencies in meeting leisure needs. *Prerequisites: Recreation 120 and 121.* F(d)
231. **PROGRAMMING IN RECREATION (4)**. Principles and procedures of planning programs for age groups and recreation settings. Areas of knowledge will involve, budget, personnel, facilities and justification for these programs. *Prerequisites: Recreation 120 and 124.* F(d)
233. **MANAGEMENT OF RECREATION AND PARK AREAS/FACILITIES (4)**. Role of the recreation administrator in the planning, acquisition, development, financing, staffing, and maintaining of recreational lands, waters, and structures. Use of natural and man-made resources in the environment. *Prerequisites: Recreation 124 and 230.* W(d)
234. **RECREATION AND GERONTOLOGY (4)**. Study of the factors that affect the status and lifestyle of older Americans. Special attention will be given to leisure retirement complexes and the pros and cons of therapeutic recreation in rehabilitative agencies. The process of aging, personal differences, program problems, and physical awareness will be incorporated into the leisure lifestyle analysis of this subculture. *Prerequisites: Recreation 124 and 230.* W(d)
235. **SUPERVISION OF RECREATION FACILITIES AND PROGRAMS (4)**. Basic theory of supervision in recreation consisting of: staff assignments and evaluations, training, problem solving, interviewing, styles of supervision, and methods of motivating staff. *Prerequisites: Recreation 120 and 124.* (F(d), S(d)
236. **RECREATION AND THE CORRECTIVE INSTITUTIONS (4)**. Study of corrective institutions; deals with intensive examination of present policies and procedures covering recreation programs in this reformatory setting; areas included are state prisons, federal penitentiaries, juvenile detention centers, and a special look at the California Youth Authority. Programming, leadership, and supervision of activities in these areas will be covered. *Prerequisites: Recreation 124 and 230.* S(e)

- 256. FIELDWORK IN PUBLIC AGENCIES (4).** Supervised recreational leadership and supervision in public agencies: city and county parks and playground municipal recreation centers, municipal swimming pools, public beaches, etc. *One hour of lecture and nine hours of laboratory per week. Prerequisite: Recreation 121 or consent of instructor.* W(d)
- 257. FIELDWORK IN PRIVATE AGENCIES (4).** Supervised recreation leadership and supervision in private agencies; commercial, industrial, amusement, retirement, and resort/tourist agencies; also private therapeutic agencies. *One hour of lecture and nine hours of laboratory per week. Prerequisite: Recreation 121 or consent of instructor.* S(d)
- 258. SENIOR SEMINAR IN RECREATION (4).** Seminar dealing with leisure problems and discussions in relating experiences from fieldwork in public and private agencies; analysis of contemporary trends and philosophies involved in programming, leadership, supervision, and administration responsibilities of the professional recreator. *Prerequisites: Recreation 230 and 232, or consent of instructor.* S(d)
- 260. INTERNSHIP—RECREATION GERONTOLOGY (6).** Directed supervisory experience with a private or public recreation agency involved with the aged. Individual development in administration, supervision, program planning, and community and public relations. *Twenty hours of lab per week. Prerequisites: Recreation 234, 256, 257 and 258 (1,000 hours of either paid or volunteer recreation work experience recommended).* F(d)
- 297. RECREATION: INDEPENDENT STUDY (2, 4).*** Advanced study in recreation, with each student participating in a special project mutually agreed upon by student and instructor. F(d), W(d), S(d)

* Repeatable course.

RELIGIOUS STUDIES

(School of Humanities and Fine Arts)

Members of the Religious Studies Committee:

Chairperson: William Hagan, S.T.D., Professor (Philosophy)

Professors: Paul Gopaul, Ph.D. (History); Eiichi Shimomisse, Ph.D. (Philosophy)

Associate Professors: John LaCorte, Ph.D. (Philosophy); Polly Pope, Ph.D. (Anthropology); Noelle Rodriguez, Ph.D. (Sociology)

Additional faculty members from cooperating departments.

The program in Religious Studies is designed to provide a pattern of courses which will introduce the rich varieties of religious phenomena. The minor is expressly structured to include exposure to diverse theoretical and methodological approaches, and to involve students in the study of the Judeo-Christian as well as other religious traditions. The pattern of requirements also introduces students to an interdisciplinary study of the historical, philosophical, behavioral, and humanistic aspects of religion.

It is expected that the minor in Religious Studies will be of interest to students preparing for a career with a direct or indirect relationship to the religious field—the ministry, counseling, teaching; but also to those who are simply interested in an organized exploration into a fascinating aspect of the human condition.

REQUIREMENTS FOR THE MINOR IN RELIGIOUS STUDIES

Upper Division

Six courses (24 units) distributed as follows:

- A. Philosophy 280. Philosophy of Religion (4)
Sociology 259. Sociology of Religion (4)
- B. *Two* courses selected from *two* different departments:
History 201. The Bible as History (4)
History 203. Studies in Religious History (4)
Philosophy 282. Interpreting the Bible (4)
- C. *One* course selected from the following:
Philosophy 283. World Religions (4)
Philosophy 285. Philosophies of India and Buddhism (4)
Philosophy 286. Philosophies of China and Japan (4)
- D. *One* course selected from the following:
Anthropology 215. Magic and Religion (4)
Anthropology 241. Folklore (4)
History 219. The Supernaturals Through the Ages (4)
Philosophy 243. Philosophy of the Occult and Mantic Arts (4)
Psychology 275. Psychology of Consciousness (4)

SMALL COLLEGE

(University College)

Director: Kenneth B. Gash, Ph.D., Professor (Chemistry)

Professor: Chi-Hua Wu Hsiung, Ph.D. (Health Science)

Associate Professors: Lois J. Feuer, Ph.D. (English); Judith V. Grabiner, Ph.D. (History); Marilyn P. Sutton, Ph.D. (English)

Assistant Professors: Fumiko Hosokawa, Ph.D. (Sociology); Jamie L. Webb, Ph.D. (Earth and Marine Sciences)

The Small College provides students at California State University Dominguez Hills with interdisciplinary alternatives to the regular programs of study. Students may choose to pursue their entire undergraduate program through the Small College or they may choose to complete an area of concentration (major), Thematic Project (minor) or General Education through the Small College. All such programs are tailored to fit the individual needs of each student through the assistance of a Small College faculty mentor.

GENERAL EDUCATION

Students, with the assistance of faculty mentors, plan and carry out an individualized program of introduction to the main disciplines within the humanities, social sciences, and natural sciences; for each of these three areas, 8 units (in two fields—e.g., physics and chemistry) are required. Students are expected to increase their skills in Basic Subjects (writing, mathematics, etc.); 12 units are required here. The Small College has no freshman composition courses *per se*; a student improves his or her writing skills by taking 4–6 writing “adjuncts,” spread out over the entire college career, in which the student works on papers for other classes with the aid of a writing adjunct instructor. The units from these writing adjuncts (2 each) are counted toward the student’s 12-unit Basic Subject requirement.

Except for the writing adjunct, no specific courses are required for general education. The Small College introductory offerings are interdisciplinary in content, often focusing on a specific problem or theme and utilizing an emphasis often reserved for “advanced” courses rather than the broad survey course approach; courses are designed to enable students to attack a problem or idea, as would a specialist in that discipline, rather than to give a broad overview of the field.

Portions of this program may function as initial steps in the student’s Area of Concentration.

AREAS OF CONCENTRATION

The Areas of Concentration correspond somewhat to “majors” but consist of broad, interdisciplinary fields rather than the specialized subject matter areas traditionally offered for the baccalaureate. Their structure is flexible in order both

to serve immediate student needs and to make the curriculum adaptable to later changes in content. Students can choose an Area of Concentration in any of the following: Civilizations; Science, Technology and Society; Human Studies; or Environmental Studies. They also select, under faculty advisement, a "field of emphasis" in a more specialized area within the Area of Concentration; such a field of emphasis may correspond to a traditional "major," or to an emphasis of the student's on choosing. Students may combine Small College classes, other University classes, and independent studies to devise their individual program in the Areas of Concentration.

CIVILIZATIONS

The Area of Concentration in Civilizations is designed to encourage students to explore the thought and institutions of one or more cultures, through more than one time period, and to acquire the skills and tools needed to examine and understand different cultures. A student's program can include work from a number of traditional disciplines, such as history, political science, art, music, and religion. As with all Areas of Concentration in the Small College, Civilizations programs will include work that crosses the lines of individual disciplines.

Requirements: 55 units (at least 36 upper-division)

Civilizations students are introduced to the development of ideas and institutions both in Western civilization and in the study of a non-Western culture. Students are required to take *at least 12 units* of course offerings which study the development of ideas and institutions in Western civilization (through Small College courses such as History of Modern Thought or Philosophical Enterprise, or departmental offerings such as History 110, 111, 251, 252, 253, 255; Philosophy 211, 212, 213; or Political Science 250, 251), and *at least 4 units* in the study of a non-Western culture or cultures (through Small College courses such as Ideas in Third World Literature, or departmental offerings such as History 111, 275, 276, 279, 280, 281, 282, 283; Anthropology 251; English 237, 238; Music 255; Philosophy 285, 286; or Political Science 241, 242, 248, 249).

Note: These 16 units can be part of the required Field of Emphasis, Related Field, or Civilizations Electives, depending upon the individual student's program.

The 55 units will be distributed as follows:

1. 30 units in a "Field of Emphasis"—a cluster of closely related, often sequential courses (which may include Experiential Education and Independent Study, where appropriate). This Field can be a special area chosen by the student, in consultation with a Small College faculty adviser; it can also resemble a conventional "major" in one discipline, if grouped with other, appropriate related courses.

Within the Field of Emphasis, there should be a "Specialization," including 12 units on *one* of the following:

- (a) the study of one time period, such as "Twentieth Century" or "Renaissance"
- (b) the study of one discipline at the upper-division level, such as History, English, or Anthropology
- (c) the study of one specific topic or problem, such as religion, revolutions, or technological change

2. 15 units in a "Related Field"—an area related to the Field of Emphasis. The Related Field consist of studies of analogous problems in different ways and in different civilizations; (a Field of Emphasis in western philosophy and literature might have a Related Field in Chinese thought and literature). Or, the Related Field can provide work in a related subject (such as combinations of philosophy and literature, political science and anthropology, sociology and history).
3. 10 additional units from the field of Civilizations, chosen by the student in consultation with his or her advisor.

It is recommend that Civilizations students seriously consider studying a foreign language (Spanish, French, Japanese at CSUDH, other languages by Independent Study or by concurrent registration elsewhere). Such courses may be counted as part of the Area of Concentration if they are related to the student's Field of Emphasis. As an example, a student could study Japanese along with Far Eastern History and International Relations, or could study Spanish along with Chicano culture and history.

ENVIRONMENTAL STUDIES

Environmental Studies, an interdisciplinary Small College Area of Concentration, is designed to give the student a firm basis for understanding and defining environmental problems along with the practical skills and experience necessary in finding solutions to these problems.

In Environmental Studies, the student is first introduced to the physical, life and social sciences necessary to comprehend environmental affairs. The student will then begin taking interdisciplinary environmental offerings. The courses selected will complement the student's desires and will result in an emphasis in some particular aspect of Environmental Studies, for example, Environmental Management or Ecology. Many other courses can supplement the Environmental Studies program, such as courses within Small College and courses from the Departments of Geography, Biology, Economics, etc.

Environmental Studies requires a basic foundation in physics, chemistry, biology, and mathematics in order to understand the fundamental interrelationships in environmental systems and to prepare for advanced course work. The student is required to take introductory courses in the physical sciences (Chemistry and Physics), College Algebra, Probability and Statistics, BASIC Computer Programming, and various courses in geology and biology. The number of such courses and the order in which they are taken will depend upon the background and schedule of each individual.

Typical advanced courses offered in the Small College include Geochronology, Man and Environment in the Southwest, Environmental Field Methods, Limnology, Solar Energy, Man's Impact on his Environment, Jobs and the Environment, and Environmental Economics. An interdisciplinary environmental seminar taken by all students will provide a unique culmination to the undergraduate environmental science program.

All students in this Area of Concentration will, by the end of their first year, design an individual program in consultation with their mentor and the environmental science faculty.

HUMAN STUDIES

The Human Studies Area of Concentration studies the person as he or she is embedded in a series of simultaneous processes at many times. The study of individuals alone or in groups necessarily involves not only perspectives of the social and behavioral sciences but also of biology and physiology. The Human Studies area offers the student the opportunity to explore the many facets of human existence from these several perspectives. Through a combination of core courses, in which the student develops an interdisciplinary approach to human behavior and experience, and courses in a human studies specialization, the student designs a curriculum to meet his/her own goals. The specialization is particularly suited to developing novel approaches to the study of wo/man, and allows the student to develop relationships among many disciplines, including the humanities and fine arts, where appropriate.

The Human Studies Area of Concentration involves a series of courses distributed as follows:

- A. A minimum of 22 units of core courses from at least two different disciplines to be distributed as follows:
 1. 8 units of introductory courses from at least two of the stated disciplines:

a. Anthropology	e. Psychology
b. Applied Behavioral Sciences	f. Sociology
c. Biology	g. Education
d. Political Science	

(In addition, courses in History, Economics, Geography, and Interdisciplinary Area Studies can be applied. Upon the advice of the Small College Social and Behavioral Science faculty, some Philosophy courses may be considered suitable.)

2. A minimum of 4 units from at least two different disciplines of *methodology* courses relating to any of the above disciplines.
 3. A minimum of 4 units from at least two different disciplines of *theory* courses relating to any of the above disciplines.
 4. A minimum of 6 units from at least two different disciplines of *topics* courses relating to any of the above disciplines.
- B. A minimum of 20 units in one Field of Emphasis which will be designed by the student and his/her mentor. This may be a cluster of courses in various disciplines directed toward a broader interdisciplinary study, an individualized specialization, or a major in a traditional academic discipline such as one of those listed above.

Where the student has taken these courses already and has counted them toward the General Education requirement, the course, but not its units, will be counted to satisfy the requirement for Human Studies.

SCIENCE, TECHNOLOGY AND SOCIETY

This Area of Concentration is designed to allow students to explore the impact of scientific and technological changes upon society. The overall unit requirements for this Area of Concentration are a minimum of 55 units, of which at least 36 must be upper division.

To permit a better conceptualization of how this Area of Concentration is designed, it is convenient to think of courses within it falling into 3 categories: Background Courses, Perspectives Courses and Specialization Courses. It is important that these categories should be thought of as parts of a whole and not as ends in and of themselves.

- I. Background Courses: A minimum of 20 units from 3 distinct areas chosen from any of the natural and social sciences. At least 3 of these courses must be in recognized natural science disciplines, with 2 in the same area. Courses here may be chosen from within Small College or from any of the disciplines within NSM and SBS.
- II. Perspectives: A minimum of 3 courses concerned with either the impact, history or philosophy of science. Appropriate courses may be found in Small College and a number of other departments within the university.
- III. Specialization: A minimum of 20 upper division units; at least 12 of these must be formal coursework, which build upon and develop the themes presented in the Background and Perspectives courses.

THEMATIC PROJECT

A Thematic Project is an individually-designed and substantial body of work on a particular theme. Any student may do a Thematic Project to satisfy the requirement for a minor. The theme or topic is chosen by the student. The body of work can include courses and fieldwork or research as appropriate, and must end with the preparation of an "evaluable product"—such as a paper, film, dramatic production, set of demonstrable competencies—that the faculty can look at and evaluate. Normally, Thematic Projects have four parts: the student begins by writing a *proposal*; then does the *fieldwork and/or research and coursework*, and finally, prepares the *evaluable product*.

Doing a Thematic Project gives the student a chance to pursue her or his own chosen interest as deeply and intensively as desired. Doing an independent project of one's own is valuable preparation for jobs, for graduate school, and for professional school. Also, doing one's own project gives the individual student the idea of what it is like to master something, indeed, to be an expert on something.

COURSE OFFERINGS OF THE SMALL COLLEGE

In addition to the courses listed below, the Small College offers a number of new courses each quarter. See the Small College quarterly catalog (available in SC E-173) for complete descriptions.

Lower Division

- 107. WRITING ADJUNCT (2).*** Individualized instruction in expository writing taught in conjunction with papers assigned in other courses. Individual tutorial sessions and classroom lectures and workshops are employed. F(d), W(d), S(d)

* Repeatable course.

Upper Division

- 220. INTERDISCIPLINARY TOPICS IN HUMAN STUDIES (4).*** This course will provide an in-depth study of a topic in human behavior and attitudes. The topic will be examined in a cross-cultural setting using interdisciplinary perspectives. Examples of specific topics will include class and careers, alienation, love, poverty.
- 230. INTERDISCIPLINARY TOPICS IN CIVILIZATIONS (4).*** This course offers an in-depth analysis of a major topic in the history of ideas and institutions through the study of the topic in relation to the disciplines (philosophy, literature, history, etc.) relevant to the topic. Sample topics include archetypal patterns in literature, scientific revolutions, history of modern thought.
- 250. INTERDISCIPLINARY TOPICS IN SCIENCE, TECHNOLOGY AND SOCIETY (4).*** This course will provide an in-depth investigation into a topic in science and/or technology, insights into the relationships of different disciplines and an understanding of the methods of scientific exploration. Examples of topics will include energy, perception, time, environment. *Prerequisite: Completion of General Education science requirement or consent of instructor.*

(Complete descriptions of these courses will be provided each quarter in the Small College catalog, available in SC E-173.)

* Repeatable course.

SOCIAL SCIENCE

(School of Social and Behavioral Sciences)

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN SOCIAL SCIENCE

Lower Division

Prerequisite to upper division standing in this program are the following courses which may, where allowed, also be used to meet the General Education requirement:

- Anthropology 100. Basic Studies Anthropology: Introduction to Culture (4)
- Economics 100. Basic Studies Economics (4), *or*
- Economics 110. Economic Theory IA (4), *or*
- Economics 111. Economic Theory IB (4)
- Geography 100. Elements of Geography (4)
- History 100. Perspectives on the Present (4)
- Political Science 100. Basic Studies Political Science: World Tension Areas (4)
- Psychology 100. Basic Studies Psychology (4)
- Sociology 100. Basic Studies Sociology (4)

Upper Division

A. 20 units:

Concentrated study in one social science discipline, consisting of five courses (20 units) selected in consultation with the advisor. Courses selected should include core areas consistent with the major requirements in the discipline.

B. 20 units:

Selected studies in the social sciences, consisting of five courses (20 units) chosen from two disciplines other than that selected for A above, with no more than three courses (12 units) chosen from one discipline.

If the discipline chosen to fulfill requirement A is not History or Political Science, then these two disciplines must be chosen for requirement B.

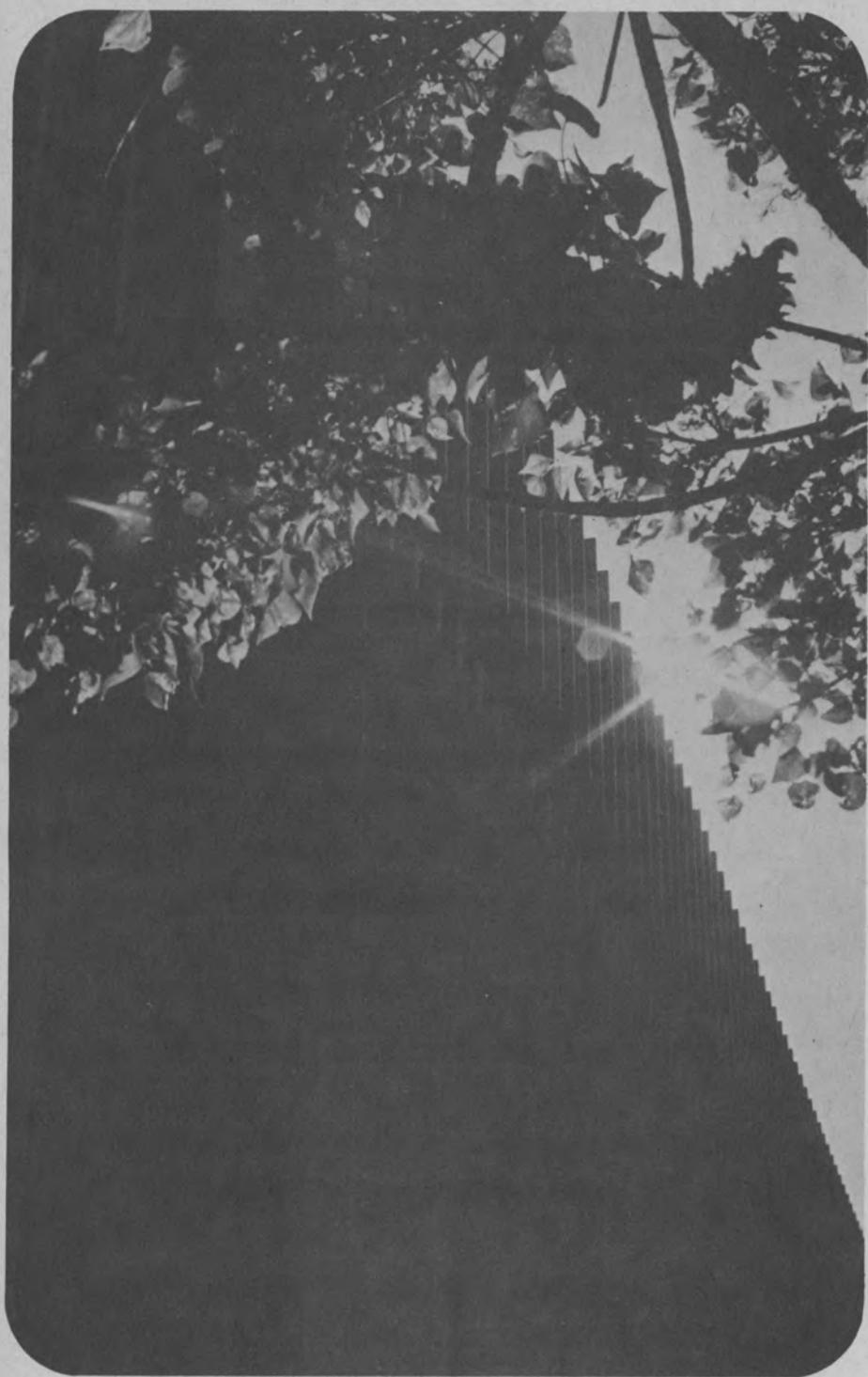
C. 8 units:

One additional course selected from each of *two* social and behavioral sciences disciplines, other than those selected under requirements A and B.

COURSE OFFERINGS IN SOCIAL SCIENCE

Lower Division

- 100. BASIC STUDIES SOCIAL SCIENCE (4).** An introduction to the dimensions, concepts, and approaches of Social and Behavioral Sciences disciplines to their fields of expertise.



SOCIOLOGY

(School of Social and Behavioral Sciences)

Chairperson: F. Donald Laws, Ph.D., Professor

Professors: William R. Blischke, Ph.D., Harold Charnofsky, Ph.D.; Robert M. Christie, Ph.D.; Herman Loether, Ph.D.; G. Peter Paulhe, Ph.D.; John C. Quicker, Ph.D.; Alan Ryave, Ph.D.

Associate Professors: Dexter Edward Bryan, Ph.D.; Jeanne Curran, Ph.D.; Richard B. Hovard, Ph.D.; Anne K. Peters, Ph.D.; Sharon Raphael, Ph.D.; Steve R. Riskin, Ph.D.; Noelie Rodriguez, Ph.D.

Assistant Professors: Alan Bomser, M.A.; William McCoy, Ph.D.; John McCurtis, Ph.D.

The discipline of Sociology contains many fields of specialization. Some are of general interest to the informed citizen, while others are of concern primarily to the professional sociologist or to researchers and workers in related occupations. Course offerings in Sociology represent the full range of such interests.

Students may plan their program of study in sociology around any of a wide range of concerns and needs, such as community organization analysis; interaction processes; criminology, deviance and delinquency, problems of urban life; or theory and research methods. Personal or career goals may lead students to prepare themselves for graduate study in any of these areas or may find that the department's offerings in Community Analysis or Action Sociology provide the basis for direct and immediate experience in institutions and agencies in the surrounding communities.

More concentrated professional training in sociology is available through the Master's Degree in Behavioral Science with an option in Sociology.

(All graduate courses in Sociology are listed under Behavioral Science in the Graduate Bulletin of this catalog, with the requirements for graduate degrees and credentials offered by the University.)

REQUIREMENTS FOR THE MAJOR IN SOCIOLOGY

Lower Division

- Sociology 100. Basic Studies Sociology (4)
- Sociology 120. Analytical Statistics for Sociology (4)
- Sociology 150. Field Studies I (2)

Upper Division

- Sociology 205. Methods of Sociological Research (4)
- Sociology 251. Field Studies II (4)
- Sociology 255. Modern Sociological Theories (4)
- Sociology 295. Senior Seminar in Sociology (4)

Five additional courses in Sociology to be selected in consultation with the student's advisor. At least three of these courses must be selected from courses numbered from 210 through 289.

REQUIREMENTS FOR THE MINOR IN SOCIOLOGY**Lower Division**

The following two courses may be taken at the student's discretion and may be applied to the required concentration. *A maximum of 8 lower division units may apply toward the minor.*

- Sociology 100. Basic Studies Sociology (4)
- Sociology 120. Analytical Statistics for Sociology (4)

Upper Division

Students must choose *one* of the following concentrations.

- A. Concentration in the tools used by sociologists. This concentration is recommended for those students intending to use sociology in a research setting or as background for advanced graduate education.
 - Sociology 120. Analytical Statistics for Sociology (4)
 - Sociology 201. Inferential Statistics for Sociology (4)
 - Sociology 204. Action Research in Institutional Settings (4)
 - Sociology 205. Methods of Sociological Research (4)
 - Sociology 255. Modern Sociological Theories (4)

Two additional courses.
- B. Concentration in specific fields or applications; i.e., medical or paramedical field, or social psychology.
 - Six courses will be selected on advisement.*
- C. General Sociology
 - Sociology 100. Basic Studies Sociology (4)
 - Sociology 255. Modern Sociological Theories (4)

Four additional courses.

UNDERGRADUATE CERTIFICATE IN SOCIAL IMPACT ASSESSMENT

The Certificate Program is designed to develop competence in the theory and methods of Social Impact Assessment, while fostering an understanding of the structure and function of urban communities, enhancing basic research skills, and providing practical field experiences and internships. Social Impact Assessment is a growing field related to Environmental Impact Assessment in which the impacts of various developments on the quality of urban life are measured and analyzed for the purpose of informing public policy decisions. Building primarily upon existing course offerings, the Certificate Program complements existing degree programs and is flexible in design to encourage the participation of students with various degree objectives. The certificate can be completed as part of an extended Sociology major, or by itself. Admission to the program requires prior consultation with a Social Impact Assessment advisor.

The requirements for the certificate are as follows:

- A. Mental Health and the Urban Community
 - Sociology 212. The Urban Community (4)
 - Sociology 227. Introduction to Social Epidemiology (4)
 - Sociology 366. Social Aspects of Mental Illness (4)

(Continued on the following page)

- B. Urbanization and Community Planning
 Sociology 232. Urbanization and Social Ecology (4)
 Sociology 280. Introduction to Social Policy and Community Planning (4)
- C. Social Impact Assessment, Methodology and Practicum
 Sociology 208. Workshop in Social Impact Assessment (2 quarters) (8)
 Sociology 282. Methods of Social Impact Assessment (4)
 Sociology 302. Workshop in Social Research (4), *or*
 Sociology 204. Action Research in Institutional Settings (4)

UNDERGRADUATE CERTIFICATE IN SOCIAL RESEARCH

The Undergraduate Certificate in Social Research is designed to qualify recipients to participate fully in all phases of research projects from the initial conceptualization to the final report writing. To qualify for the certificate candidates must demonstrate their competence in conceptualization, research design, sampling design, instrument design, data collection, data analysis and report writing. This program is open to non-sociology majors.

The requirements for the Certificate are as follows:

- A. The following required courses may be applied to the sociology major:
- Sociology 120. Analytical Statistics for Sociology (4)
 - Sociology 201. Inferential Statistics for Sociology (4)
 - Sociology 203. Qualitative Methods (4)
 - Sociology 205. Methods of Sociological Research (4)
 - Sociology 206. Multivariate Analysis in Sociology (4)
 - Sociology 251. Field Studies II (4)
 - Sociology 255. Modern Sociological Theories (4)
 - Sociology 256. Theory Building in Sociology (4)
- (Appropriate courses from other disciplines may be substituted with consent of advisor.)
- B. The following courses must be taken in the Social Systems Research Center:
- Sociology 204. Action Research in Institutional Settings (4)
 - Sociology 208. Workshop in Social Impact Assessment (4)
 - Sociology 302. Workshop in Social Research (12)

COURSE OFFERINGS IN SOCIOLOGY

Lower Division

- 100. BASIC STUDIES SOCIOLOGY (4).** Examination of socio-cultural institutions and processes from the sociological perspective. The dynamics of human interaction, the structure and function of contemporary social institutions, and processes of social change.
- 120. ANALYTICAL STATISTICS FOR SOCIOLOGY (4).** Statistical techniques for the description and analysis of sociological data. Tabular, graphic, and parametric analytical procedures. *Three hours lecture and two hours laboratory per week.*
- 150. FIELD STUDIES I (2).** Field study observation of selected populations, institutions, and agencies, under supervision, and after preparatory introduction, to acquaint students with the contributions of sociology and sociological knowledge to modern society. Emphasis on development of critical skills for analyzing and understanding man's behavior from a sociological perspective. *Prerequisite: Sociology 110.*

Upper Division

- 201. INFERENCE STATISTICS FOR SOCIOLOGY (4).** Inferential statistical techniques as tools for the analysis of sociological data. The logic of statistical inference. Parameter estimation and hypothesis testing. *Three hours lecture, two hours laboratory per week. Prerequisite: Sociology 120 or equivalent.*
- 203. QUALITATIVE METHODS (4).** The use and application of unstructured, structured, and participant observation methods to sociological phenomena, including an examination of the theory of measurement as viewed from the paradigm of qualitative methodology. *Three hours of lecture and two hours of activity per week.*
- 204. ACTION RESEARCH IN INSTITUTIONAL SETTINGS (4).** A pragmatic approach to utilizing sociological skills in the various community institutions. Students will, in conjunction with the goals of the instructor and institutional professional, develop research skills in such settings as probation and parole departments, city planning departments, mental hospitals, geriatric facilities, social service agencies, and various state and local governmental agencies. *Two hours of lecture and six hours of laboratory per week. Prerequisite: consent of instructor.*
- 205. METHODS OF SOCIOLOGICAL RESEARCH (4).** Examination of methods employed in the investigation of sociological problems. Conceptualization, measurement, approaches, design of surveys and experiments, data collection, procedures for analysis of data. Consideration of the research process as an integral whole. *Prerequisite: Sociology 120.*
- 206. MULTIVARIATE ANALYSIS IN SOCIOLOGY (4).** Consideration of the integral involvement of statistics in the research process, with special emphasis on multivariate techniques applicable to the analysis of sociological data and of the criteria involved in the choice of the most appropriate techniques for specific problems. *Three hours of lecture and two hours of laboratory per week. Prerequisites: Sociology 120 and Sociology 201 or their equivalent.*
- 208. WORKSHOP IN SOCIAL IMPACT ASSESSMENT (4).***Practical applications of Social Impact Assessment. Development of impact assessment research skills in field and laboratory settings. Conceptualization, design and implementation of Social Impact Assessment projects in conjunction with city planning departments and governmental and social service agencies. *Prerequisite: Sociology 202, 204, or consent of instructor.*
- 211. SOCIAL ORGANIZATION AND COMPARATIVE INSTITUTIONS (4).** Forms of organizing. Contemporary social systems: the family, the political system, the economy, religion and education.
- 212. THE URBAN COMMUNITY (4).** Examination of the metropolitan community. Urbanization as contemporary social process; consideration of urban areas, institutions, values, and problems; social, demographic, and ecological characteristics of urban areas; urban and suburban change and planning.
- 214. FORMAL ORGANIZATIONS (4).** Examination of formal organizations; ideology, bureaucracy, formal and informal decisionmaking, morale, and the institutionalization process.
- 215. SELECTED CONTEMPORARY SOCIAL PROBLEMS (4).** Focused study of a limited selection of contemporary social problems, chosen in accordance with the interests of instructor and students.
- 218. THE FAMILY (4).** Study of the social processes and structural patterns affecting contemporary family life in American society.

* Repeatable course.

222. **SOCIAL CHANGE IN DEVELOPING COUNTRIES (4)**. Examination of sociological theories with regard to social change. Application of the sociological perspective to the analysis of the problems and prospects for social change and modernization in developing nations.
223. **SOCIAL CHANGE IN INDUSTRIAL SOCIETIES (4)**. Comparative analysis of social change in industrialized societies. Problems of social development and organization in the "post-industrial" society. Analysis of relations between changes in technological structures, institutions, and culture. Critical examination of theory and research in the field.
225. **SOCIOLOGY OF WORK (4)**. Sociological analysis of work in industrial society. Examination of the labor force, industrial organization, occupational roles, and careers. Consideration of impact of technological change.
226. **SOCIOLOGY OF MEDICINE (4)**. Social and community aspects of health, health behavior, and health organizations. Research on the distribution of disease in society, organization of health professions, social change and health care, stress and disease, and social factors affecting utilization of health services. *Prerequisite: Sociology 100 or 110.*
227. **INTRODUCTION TO SOCIAL EPIDEMIOLOGY (4)**. A basic introduction to the principles, methods and uses of social epidemiology. Examination of the major socioeconomic and cultural factors which are associated with the distribution, frequency, duration and transmission of diseases and health problems to human populations. *Prerequisite: Sociology 100, its equivalent, or consent of instructor.*
229. **SOCIOLOGY OF ADULT LIFE AND AGING (4)**. The developmental processes occurring throughout the life-cycle with special focus on problems and issues surrounding middle and old age. Utilization of demographic, cross-cultural, family, community, and societal studies to explore the social dimensions of aging. *Prerequisite: Sociology 100 or 110.*
232. **URBANIZATION AND SOCIAL ECOLOGY (4)**. Comparative analysis of contemporary processes of urbanization and their social ecological correlates. Study of social ecological changes of cities in relation to socio-economic organization and social change. Consideration of social policy alternatives. *Prerequisite: Junior standing.*
235. **SOCIAL MOVEMENTS (4)***. A study of major social movements with varying specific emphasis on topical problems or relevant issues from quarter to quarter. For example, a specific quarter may be devoted to Social Movements: Black Awareness or Social Movements: Utopias.
237. **UNION STRUCTURES: MEMBERSHIP AND LEADERSHIP (4)**. Forms of labor union organization: locals, joint boards, internationals, and combined national labor groups. Internal and external interactions and confrontations. Application of field methods to organized labor.
240. **SOCIAL PSYCHOLOGY: SOCIOLOGICAL PERSPECTIVE (4)**. The reciprocal influence that individuals and groups exert on one another from a sociological perspective. Focus on language and other symbolic processes, role taking and role playing, and the importance of the self-concept in interpersonal behavior.
250. **SEMINAR IN SMALL GROUPS (4)**. Study and discussion of social interaction in small groups. Historical and theoretical background, research findings, leadership, and the small group as a social system. Classroom exercises in group dynamics.

* Repeatable course.

251. **FIELD STUDIES II (4)**. Continuation of Field Studies I. Particular stress on in-the-field research with one selected population, institution, or agency. Student to complete a research project based upon field experiences. *Prerequisites: Sociology 120 and Sociology 205, or equivalent.*
255. **MODERN SOCIOLOGICAL THEORIES (4)**. Analysis of contemporary sociological theories with attention to historical origins. Relationship of theory to research, theory construction.
256. **THEORY BUILDING IN SOCIOLOGY (4)**. The nature and functions of theory; articulation of theory and research; the process of theory construction—strategic alternatives. Laboratory exercises in theory building. *Prerequisites: Sociology 205 and Sociology 255, or equivalents.*
260. **MINORITY RACIAL AND ETHNIC RELATIONS (4)**. Investigation of current American racial and ethnic problems in world-wide and historical perspective.
264. **CORRECTIONS (4)**. Analysis of various sociological aspects of correctional operations: correctional settings, institutional life, types of correctional programs, rehabilitation, recidivism, alternatives to prisons, probation and prevention, the adjudicative process, and theoretical and empirical considerations of correctional systems.
265. **DEVIANT BEHAVIOR (4)**. Consideration of deviant behavior. Study of the forms and processes of deviance, and the distribution of its occurrence. A systematic analysis of particular kinds of violations of normative rules as related to general processes of interaction in everyday social activities.
267. **SOCIOLOGY OF LAW (4)**. The social context within which legal systems function, the effectiveness of law as a mechanism of social control, the relationship between law and social change, and the social basis for the administration of justice and punishment.
268. **CRIMINOLOGY (4)**. Theories of the genesis of crime: patterns of criminal behavior; nature of criminal organizations; analysis of relationship of crime to the social structure; criminal statistics and crime rates; police and the criminal justice system.
269. **JUVENILE DELINQUENCY (4)**. Social context, definition, implications, and causes of juvenile delinquency as a social phenomenon; analysis of factors associated with delinquent behavior. Problems of adjustment of delinquents and factors in treatment and in post-treatment adjustment. *Prerequisite: Sociology 100 or 110.*
270. **FIELD STUDIES IN URBAN PROBLEMS (4)**. Field experiences in the urban setting, with special emphasis upon investigation and understanding of the human and social dimensions of urban problems.
280. **INTRODUCTION TO SOCIAL POLICY AND COMMUNITY PLANNING (4)**. The relationship between social policy and planning in the public and private sectors, with special emphasis on the social dimensions of land use. Description and analysis of the community planning process and implications of community control for urban social policy. *Prerequisite: Sociology 212, 232, or consent of instructor.*
282. **METHODS IN SOCIAL IMPACT ASSESSMENT (4)**. Examination of the theory and methods of Social Impact Assessment. Analytical models and critical skills for predicting and assessing the social impacts of planning decisions, government actions, and development projects. *Prerequisite: Sociology 120, 205, or consent of instructor.*
289. **THE SOCIOLOGY OF THE FUTURE (4)**. Examination of alternative social futures utilizing various quantitative and intuitive forecasting techniques. Focus will be on the probable futures of work, the family, education, energy, science, technology, etc.

295. **SENIOR SEMINAR IN SOCIOLOGY (4)**. A seminar designed to integrate previous course work and experience by approaching broad sociological issues from the perspectives of various areas within the discipline. *Prerequisite: Senior standing and consent of instructor.*
302. **WORKSHOP IN SURVEY RESEARCH (4)**. Research methods and theory as the basis for professional research in the community. A repeatable course with rotating emphasis in the various phases of research; i.e., theory construction, data collection, interviewing techniques, coding techniques, analysis, computer analysis, report preparation. *Two hours of lecture and six hours of lab per week. Prerequisite: Consent of instructor.*
307. **VISUAL SOCIOLOGY (4)**. Examination of the rationale and methods for a visual sociology, with emphasis on the collection and analysis of visual data, and the relationship of visual to other sociological data. Video-tapes, films, and photographs of social settings will be made, organized, and critiqued as they apply to selected aspects of sociological research. *Lecture, two hours; activity, six hours.*
310. **SOCIAL STRATIFICATION AND CLASS (4)**. Stratification in American society as compared to other cultures, with consideration of the effects of class and status on personality and behavior.
313. **SOCIOLOGY OF EDUCATION (4)**. Examination of the organizational structure, changing functions, and emerging character of educational institutions of society.
316. **BLACK COMMUNITIES: CLASS, STATUS, AND POWER (4)**. An analysis of the structure of the Black community: class, economic and political power, the role of leadership, and the conditions for social development.
317. **SOCIOLOGY OF RURAL AND URBAN MEXICAN AMERICANS (4)**. Mexican American rural and urban community; urbanization as contemporary social process; examination of sociological theory and research bearing on Chicano social stratification: social and demographic characteristics and problems.
319. **THE SOCIOLOGY OF WOMEN (4)**. Analysis of the position of women in American society, with emphasis on their changing role.
320. **POPULATION AND SOCIETY (4)**. Analysis of major population trends and their relationship to the organization of society. Consideration of the demographic correlates of social change.
321. **POLITICAL SOCIOLOGY (4)**. The contributions of sociology to the study of politics, including theories of power and the social history of political change. Attention to the structure of power in contemporary societies and the social uses of power. Emphasis on various aspects of social organization in struggles for control and change of societies.
324. **SOCIOLOGY OF LEISURE AND SPORT (4)**. Study of patterns and processes of leisure activity in contemporary urban society, with attention to historical development and change. Emphasis on the implications of leisure styles for modern industrialized nations with different political and economic systems. Specific analyses of sports, cinema, television, theatre, art, and music.
336. **SOCIOLOGY OF ECONOMIC LIFE (4)**. The application of sociological analysis to the complex of activities concerned with production distribution exchange and consumption of goods and services. Considered as a social phenomenon, economic activities are examined in terms of social structure and process, with attention given the interrelationship of economic units to the larger social environment.

339. **SOCIAL ENVIRONMENT OF EDUCATION (4)**. An integrative study of socialization factors of the young child from various backgrounds and patterns of relationships between the teacher, parent, and community figures in culturally diverse situations.
352. **SOCIOLOGY OF CONVERSATION (4)**. Investigation of actual instances of conversation; discovery of methods through which members of a social group produce and recognize, and thereby accomplish meaningful coherent features of their own talk. Interactionally achieved aspects of conversational practices emphasized.
354. **SOCIOLOGY OF KNOWLEDGE (4)**. A survey of the theory and research concerning the social determinants of systems of knowledge. Research and methods for determining the relations between ideology and political beliefs in social system using classical works and contemporary investigations.
357. **PHILOSOPHICAL PROBLEMS IN THE SOCIAL SCIENCES (4)**. Analysis of methods of explanation of social action. Critical appraisal of paradigms for social analysis and attendant problems. Philosophical problems in social sciences. *Prerequisites: Sociology 205 and 255; or consent of instructor.*
359. **SOCIOLOGY OF RELIGION (4)**. Sociological examination of religious institutions, beliefs, and behaviors. The study of the various sources and contexts of religious phenomena. Analysis of modern and classical sociological studies of Eastern and Western religions.
366. **SOCIAL ASPECTS OF MENTAL ILLNESS (4)**. The nature and types of mental illness with a focus on social, political, and economic factors as they affect the mental health of the members of a society.
398. **INDEPENDENT STUDY (2, 4)***. A reading program of selected topics conducted under the supervision of a faculty member. *Prerequisite: Consent of instructor.*

Graduate

See the Graduate Bulletin in this catalog, under Behavioral Science, for all graduate courses in Sociology offered at California State University Dominguez Hills.

* Repeatable course.

SPANISH ¹

(School of Humanities and Fine Arts)

Chairperson: Porfirio Sánchez, Ph.D., Professor

Professor: Richard Beym, Ph.D.

Associate Professor: Frances Lauerhass, Ph.D.

Assistant Professors: José S. Cuervo, Ph.D.; Roberto Sifuentes, M.A.

The opportunities offered to students majoring in Spanish at California State University Dominguez Hills are enhanced by the geographical location of the University and the fact that Spanish is widely spoken in the Greater Los Angeles area. The major in Spanish is recommended for students who intend to make a career in the following areas:

1. Social service work in the Southwestern states such as: police services, social work, nursing, municipal services, and similar public services employment;

2. Civil service, such as positions offered by the State Department (Consular Services, for example), and other government agencies with services abroad; and

3. Teaching: students planning a career in teaching may choose a Spanish major designed to prepare them for future work in either of two areas: (a) the standard single subject (Spanish) credential or (b) the Bilingual/Cross-Cultural Specialist (Mexican American) Credential. There is an urgent need for such specialists, and students are invited to explore the career possibilities this credential opens for the Spanish major.

In addition, the major in Spanish also prepares students who intend to continue their studies in Spanish in graduate school, working towards a Master's Degree or a Ph.D. in Spanish or Hispanic Literature, Civilization, or Linguistics. The major in Spanish at California State University Dominguez Hills is sufficiently flexible so as to provide these students the course work they will need as background for their graduate studies.

A minor in Spanish is also offered. This minor is particularly useful to students majoring in business, in the public service fields, in French, or in any other field where knowledge of another language is desirable.

REQUIREMENTS FOR THE B.A. DEGREE IN SPANISH

Lower Division

Spanish 110-111-112. First-, Second-, and Third-Quarter Spanish (4-4-4)

Spanish 120-121. Fourth- and Fifth-Quarter Spanish (4-4)

NOTE: Students who have completed two, three, or four years of high school Spanish and who pass a proficiency test will be placed in the appropriate quarter of college Spanish. Consult a departmental adviser for details.

¹ Students interested in studying foreign languages abroad should consult page 22.

Upper Division

- A. Spanish 211. The Structure of Spanish (4), *or*
 Spanish 214. Spanish Phonology (4)
 Spanish 230. Interpreting Hispanic Prose (4)
 Spanish 232. Interpreting Hispanic Poetry and Drama (4), *or*
 Spanish 240. Practical Spanish for Interpreters and Translators (4)
 Spanish 250. Contemporary Hispanic Culture: Spain (4), *or*
 Spanish 251. Contemporary Hispanic Culture: Spanish-Speaking America (4)
 Spanish 254. Cervantes: Don Quijote (4)
 Spanish 295. Seminar in Special Topics in Spanish (4)
- B. Plus *three* upper division courses listed in Spanish offerings of which at least one must be in literature excluding literature courses in translation (280 series). Majors planning to acquire a teaching credential must take Spanish 205 and Spanish 270.

Candidates for the bilingual/cross-cultural specialist (Mexican American) credential may substitute Spanish 200 for Spanish 270.

MAJOR IN SPANISH: OPTION IN PUBLIC SERVICE

This program is designed to provide students with a wide technical linguistic background for public service, public health, commerce and other similar activities.

The Spanish Major Option in Public Service may be taken in combination with many of the different regular majors offered by the various departments such as Health Science, Sociology, Allied Health, Public Administration and Urban Studies.

It is also anticipated that many students may return to pursue this major for a second baccalaureate degree.

The total number of units required for this major are the four (4) lower-division and forty (40) upper-division units indicated below:

Lower Division

- Spanish 105. Spanish for Public Service: Health Service (4), *or*
 Spanish 105. Spanish for Public Service: Public Service (4)

Upper Division

- Spanish 202. Commercial Spanish: Business Communications (4)
 Spanish 203. Commercial Spanish: Spanish in Communication Media (4)
 Spanish 205. Advanced Composition, Syntax, and Stylistics (4)
 Spanish 211. The Structure of Spanish (4)
 Spanish 212. Spanish-English Language Contrasts (4), *or*
 Spanish 235. Sociolinguistic Approach to Mexican American Dialect and Reading (4)
 Spanish 214. Spanish Phonology (4)
 Spanish 240. Practical Spanish for Interpreters and Translators (4)
 Spanish 241. Advanced Conversation (4)
 Spanish 251. Contemporary Hispanic Culture: Spanish-Speaking America (4)
 Spanish 287. Contemporary Mexican American Literature (4), *or*
 Spanish 288. Readings in Modern Latin American Literature (4)
 # Experiential Education 210. Humanities (Work Experience)

Recommended elective.

REQUIREMENTS FOR THE MINOR IN SPANISH

- A. Spanish 121. Fifth-Quarter Spanish or equivalent (4)
 Spanish 205. Advanced Composition, Syntax, and Stylistics (4), *or*
 Spanish 211. The Structure of Spanish (4)
 Spanish 210. The Study of Language (4), *or*
 Spanish 214. Spanish Phonology (4)
 Spanish 230. Interpreting Hispanic Prose (4), *or*
 Spanish 232. Interpreting Hispanic Poetry and Drama (4)
 Spanish 250. Contemporary Hispanic Culture: Spain (4), *or*
 Spanish 251. Contemporary Hispanic Culture: Spanish-Speaking America (4)
- B. Plus *one* elective selected from the upper division offerings in Spanish (including courses in the 280 series). Minors planning to acquire a teaching credential must take Spanish 270. Candidates for the bilingual/cross-cultural specialist (Mexican American) credential may substitute Spanish 200 for Spanish 270.

REQUIREMENTS FOR THE SINGLE-SUBJECT TEACHING CREDENTIAL IN SPANISH

Lower Division

- Spanish 121. Fifth-Quarter Spanish or equivalent (4)

Upper Division

- Spanish 200. Teaching School Subject Matter in Spanish (4), *or*
 Spanish 270. The Teaching of Spanish As A Living Language (4)
 Spanish 205. Advanced Composition, Syntax and Stylistics (4)
 Spanish 211. The Structure of Spanish (4)
 Spanish 214. Spanish Phonology (4)
 Spanish 230. Interpreting Hispanic Prose (4)
 Spanish 241. Advanced Conversation (4)
 Spanish 250. Contemporary Hispanic Culture: Spain (4)
 Spanish 251. Contemporary Hispanic Culture: Spanish Speaking American (4)
 Spanish 253. The Literature of Spain (4), *or*
 Spanish 256. Literature of Spanish America II (4)

SPANISH FOR PUBLIC SERVICE CERTIFICATE PROGRAM

The Department of Foreign Languages (Spanish section), in cooperation with the Department of Experiential Education, also offers a Spanish for Public Service Certificate Program.

This one-year program provides participants with basic Spanish-speaking competencies for present and potential employees. Writing and reading skills are developed to meet functional needs of the particular occupation. A significant additional goal is to increase participants' understanding of the Latino community, thus encouraging an improved relationship between the employee and the public.

The SPSC Program is open to the public through the University's Extended Programs. Courses are offered during evening hours and on weekends to accommodate work schedules.

For continuing on-campus CSUDH students, class fees are rated like any offering at the University. Fees for students pursuing the Certificate through the Extended Programs are \$25.00 per unit.

For more information, contact the Department of Experiential Education, the Department of Foreign Languages, or the Office of Extended Programs.

RECOMMENDED COURSES FOR STUDENTS WHO WISH TO PREPARE TO CHALLENGE THE SPANISH LANGUAGE AND MEXICAN AMERICAN CULTURE COMPETENCIES REQUIRED FOR THE BILINGUAL/CROSS-CULTURAL SPECIALIST TEACHING CREDENTIAL (MEXICAN AMERICAN SPECIALIST).

Students interested in acquiring this Specialist Credential may be from any of the following groups: 1) Public School teachers in service who are on leave of absence or on sabbatical leave; 2) Credentialed teachers not now employed because of the lack of job opportunities for monolingual teachers; 3) Credential seekers among regular students in the university whose opportunities for employment will be enhanced by acquisition of fluency in Spanish language; 4) Paraprofessionals and teacher aides who are working toward a standard teaching credential and who could become potential candidates for the Bilingual/Cross-Cultural Specialist Teaching Credential (Mexican American Specialist). (A listing of complete requirements for the Specialist Credential is provided on p. 404 of this catalog).

Lower Division:

- Spanish 121. Fifth-Quarter Spanish (4)
- Spanish 130. Spanish Conversation (4)
- Spanish 150. Folklorico and Teatro Workshops (4)

NOTE: Students who have completed two, three, or four years of high school Spanish and who pass a proficiency test will be placed in the appropriate quarter of college Spanish. Consult a departmental adviser for details.

Upper Division:

- A. Spanish 200. Teaching School Subject Matter in Spanish (4)
 - Spanish 210. The Study of Language (4)
 - Spanish 211. The Structure of Spanish (4)
 - Spanish 212. Spanish-English Language Contrasts (4)
 - Spanish 214. Spanish Phonology (4)
 - Spanish 235. A Sociolinguistic Approach to Mexican American Dialect and Reading (4)
 - Spanish 251. Contemporary Hispanic Culture: Spanish-Speaking America (4)
- B. Mexican American Studies 200. Introduction to Mexican American Studies (4)
- Mexican American Studies 397. Research Methods in the Chicano Community (4)
- C. Education 222. Education of the Mexican American (4)

COURSE OFFERINGS IN SPANISH

All courses, except 210, 211, 214, 235, 270, 280, and 288, are conducted in Spanish.

Lower Division

- 105. SPANISH FOR PUBLIC SERVICE (4).*** Selected dialogue and language practice reflecting the vocabulary spectrum in public service fields such as social welfare, business, public health, government, and medicine. Useful for public service, as well as for the bilingual/cross-cultural credential program. F (e), W (e), S (e)
- 110. FIRST-QUARTER SPANISH (4).** Basic instruction in Spanish. Training in speaking, listening, reading, and writing for students who have had no previous work in Spanish. F (d/e), W (d/e), S (d/e)
- 111. SECOND-QUARTER SPANISH (4).** A continuation of Spanish 110. *Prerequisite: Spanish 110 or a satisfactory score on a placement test.* F (d/e), W (d/e), S (e)
- 112. THIRD-QUARTER SPANISH (4).** A continuation of Spanish 111. *Prerequisite: Spanish 111 or a satisfactory score on a placement test.* G (d/e), W (d/e), S (d/e)
- 120. FOURTH-QUARTER SPANISH (4).** A continuation of Spanish 112, with emphasis on oral communication skills. *Prerequisite: Spanish 112 or a satisfactory score on a placement test.* F (d), W (d), S (d)
- 121. FIFTH-QUARTER SPANISH (4).** A continuation of Spanish 120, with emphasis on reading. *Prerequisite: Spanish 120 or a satisfactory score on a placement test.* W (d)
- 130. SPANISH CONVERSATION (4).** Language practice for building speaking proficiency and expanding awareness of contemporary Spanish culture. *Prerequisite: One year of college Spanish or the equivalent.* F (d), S (d)
- 150. TEATRO y FOLKLORICO WORKSHOPS (4).*** Instruction leading to the performance of theatre and folk dances, such as Teatro Campesino and Baile Folklorico de Mexico. Knowledge of Spanish desirable but not required. Two hours of lecture and four hours of dramatics and dance per week. F (e), W (e), S (e)

Upper Division

- 200. TEACHING SCHOOL SUBJECT MATTER IN SPANISH (4).** A preparation course for the bilingual/cross-cultural credential aspirant. Features a broad spectrum of vocabulary and materials used in elementary or secondary schools for the teaching of reading, writing, mathematics, science, and social studies in Spanish. *Prerequisite: Knowledge of Spanish or consent of instructor.* W (e)
- 202. COMMERCIAL SPANISH: BUSINESS COMMUNICATIONS (4).** This course is designed to provide instruction in writing correct business communications in Spanish. Emphasis on vocabulary acquisition. Close examination of daily cultural patterns as reflected in the commercial field. *Prerequisite: Knowledge of Spanish.* W (d/e)
- 203. COMMERCIAL SPANISH: SPANISH IN COMMUNICATION MEDIA (4).** Modern terminology and expressions of the Spanish language media for reporting events in science, ecology, business, consumerism, the arts, urban affairs, etc. Introduction to media research skills. *Prerequisite: Knowledge of Spanish.* S (d/e)
- 205. ADVANCED COMPOSITION, SYNTAX, AND STYLISTICS (4).** A reading, composition, and discussion course concerned with elements of style and syntax, with emphasis on creative writing by the students. *Prerequisite: Spanish 121 or consent of instructor.* S (d)
- 210. THE STUDY OF LANGUAGE (4).** Traditional and modern approaches to the study of language; fundamentals of phonology and grammar. (Same as English 210 and French 210.) F (d/e)

* Repeatable course.

211. **THE STRUCTURE OF SPANISH (4)**. An analysis of the phonology, morphology, and syntax of the language, focusing on global characteristics of Spanish. Selected language acquisition problems of English speakers emphasized. *Prerequisite: Spanish 210 or consent of Department Chairperson or instructor.* F (d)
212. **SPANISH-ENGLISH LANGUAGE CONTRASTS (4)**. Identification of Spanish and English language contrasts for teaching Spanish-speaking children. The phonological, grammatical, and vocabulary habits of English and Spanish are studied by means of the techniques of applied linguistics. *Prerequisite: Spanish 210 or consent of Department Chairperson or instructor.* F (d)
214. **SPANISH PHONOLOGY (4)**. A beginning course in the segmental and suprasegmental phonetic systems: phonological pronunciation phenomena of standard and regional Spanish. *Prerequisite: Spanish 210 or consent of Department Chairperson or instructor.* W (d)
230. **INTERPRETING HISPANIC PROSE (4)**. Analysis and interpretation of representative Hispanic prose: novel, short story, and essay. *Prerequisite: Spanish 121 or equivalent.* F (d)
232. **INTERPRETING HISPANIC POETRY AND DRAMA (4)**. Analysis and interpretation of representative Hispanic poetry and drama. *Prerequisite: Spanish 121 or equivalent.* S (d)
235. **A SOCIOLINGUISTIC APPROACH TO MEXICAN AMERICAN DIALECT AND READING (4)**. Identification and prediction of reading difficulties of Spanish-language oriented children based on their sociocultural background and on a contrastive analysis of their listening and speaking habits (breath level, mouth muscles, rhythm, word order, etc.) with English. *Three hours of lecture/discussion and three hours of laboratory per week. Prerequisite: Education 230, or English/French/Spanish 210, or consent of instructor.* F (d), W (d), S (e)
240. **PRACTICAL SPANISH FOR INTERPRETERS AND TRANSLATORS (4).*** Translation from Spanish to English and English to Spanish with practical application for journalistic, advertising, commercial, and governmental activities. Introduction to the art of consecutive translation. *Prerequisite: Spanish 205 or equivalent.* F (d)
241. **ADVANCED CONVERSATION (4)**. Intensive conversation leading to fluency in the use of idiomatic, everyday Spanish and the development of a comprehensive, practical vocabulary. Useful for public service, as well as for the bilingual/cross cultural credential program. *Prerequisite: Spanish 121 or equivalent.* F (d)
250. **CONTEMPORARY HISPANIC CULTURE: SPAIN (4)**. An area studies course focusing on patterns of culture in contemporary Spain. *Prerequisite: Spanish 121 or equivalent.* W (d)
251. **CONTEMPORARY HISPANIC CULTURE: SPANISH-SPEAKING AMERICA (4).*** A designated geographical area studies course focusing on patterns of culture in the Spanish-speaking world. Specific topics will vary from quarter to quarter; for example, Mexico and the Southwestern United States, or the River Plate region (Argentina, Uruguay, and Paraguay). Norms, intergroup relations, institutions, language, and societal values of rural and urban people. *Prerequisite: Spanish 121 or equivalent.* F (e)

* Repeatable course.

253. **THE LITERATURE OF SPAIN (4).*** The Epic, the Erotic, and the Mystical in Spanish literature before the Twentieth Century. Turmoil, Escape, and Revolution in Spanish literature of the Twentieth Century. *Prerequisite: Spanish 230 or 232 or equivalent or consent of instructor.* W (d)
254. **CERVANTES: DON QUIJOTE (4).** Reading and analysis of the major work of Spanish Literature.
256. **LITERATURE OF SPANISH AMERICA (4).*** Social protest and revolution in Spanish American literature before the Twentieth Century; Twentieth Century Spanish American literature reflecting struggles for freedom, self-identity, and national aspirations. Course content varies from quarter to quarter. For specific subject, see class schedule.* *Prerequisite: Spanish 230 or 232 or equivalent or consent of instructor.* W (d)
261. **LECTURAS MEXICANAS (4).** Readings and analysis of Mexican literary works in all genres. *Prerequisite: Spanish 121 or equivalent.* W (e)
270. **SPANISH AS A LIVING LANGUAGE (4).** A practical course on aspects and problems of language acquisition. Emphasis on contemporary theories and experiments pertaining to linguistic transitions made by English speakers acquiring Spanish proficiency. A required course for credential candidates. *Prerequisite: A functional knowledge of Spanish and/or consent of instructor.* S (e)
282. **SPANISH CINEMA (4).** Investigation of themes and aesthetic vision of representative Spanish and Latin American film directors. Designed to increase the awareness of Spanish and Latin American culture. Films selected have English subtitles. Course conducted in English.
287. **CONTEMPORARY MEXICAN AMERICAN LITERATURE (4).** A study of the intellectual contributions in the major genres of literature by Mexican Americans. *Course conducted in English, but knowledge of Spanish is helpful. Prerequisite: Upper division standing.* S (e)
288. **READINGS IN MODERN LATIN AMERICAN LITERATURE (4).** Intensive study of a topic, movement, or a genre in modern Latin American literature. *Course conducted in English, but reading knowledge of Spanish or Portuguese helpful. Prerequisite: Upper division standing.* S (e)
295. **SEMINAR IN SPECIAL TOPICS IN SPANISH OR SPANISH AMERICAN LITERATURE (4).*** Intensive study of a single author (Cervantes, Lope de Vega, Unamuno, Azuela, Florencio Sánchez), a literary movement (*Romanticismo, Gongorismo*), a literary *género* (*teatro, poesía épica, novelas*), a single literary work, teacher training topics, or linguistic topic(s). *Teacher training topics and linguistic topics offered in Winter Quarter in alternate years. Prerequisite: Consent of instructor.* W (d)
298. **INDEPENDENT STUDY (4).*** Independent study of a literary or linguistic problem, author, or movement. *Prerequisite: B average in Spanish, upper division standing, and consent of instructor and department chairperson.* F (d)

* Repeatable course.

SPECIAL MAJOR (B.A./B.S.)

The Undergraduate Special Major provides an opportunity for selected students to engage in individualized programs of study leading to a degree when appropriate academic and professional goals are not accommodated by standard degree majors.

The Special Major is not to be used to substitute for a recognized degree program which the University does not offer, to bypass normal graduation requirements, nor as an alternative to completion of the degree requirements for a program in which the student is in academic difficulty.

Administration of the Special Major is governed by the following additional guidelines: (1) A student working toward the Special Major is subject to university-wide policy relative to admission, scholastic standards, and graduation requirements; (2) In order to be admitted to the Special Major Program, a student is required to have more than one full year of academic work still to be completed to meet minimum degree requirements; (3) The minimum requirement for a Special Major degree is a program of at least thirty-six quarter units of upper division work; (4) Neither lower division nor upper division courses used to meet General Education requirements nor professional education courses can be applied toward minimum degree major requirements; and (5) The minor requirement is applicable to all Special Major undergraduate students.

A student who wishes to undertake such a program should contact a faculty advisor either on his/her own or through the assistance of the Coordinator of Academic Advising. The student and the faculty advisor then prepares a proposal for a Special Major undergraduate program. This proposal should include: (1) a written statement giving reasons for pursuing the Special Major in terms of academic and professional goals, and also why these goals cannot be met through the standard programs of the campus; and (2) a tentative listing of courses and/or competencies which would, in the opinion of the student and the advisor, lead to the accomplishment of the stated goals.

The two-part proposal is then forwarded by the advisor to the appropriate Academic Dean(s), who appoint(s) two faculty members from the student's major fields of interest to serve with the advisor as the Special Major Committee. The Committee reviews and approves the two-part proposal and monitors the student's progress in the Special Major Program. After the student's committee approves the proposal, it is forwarded in succession to the Coordinator of Academic Advising, to the appropriate Dean(s), and to the Vice President, Planning. Upon final approval, the proposal is returned to the Coordinator of Academic Advising.

THEATRE ARTS

(School of Humanities and Fine Arts)

Chairperson: Peter Lach, M.F.A., Assistant Professor

Professors: Hal Marienthal, Ph.D.; Jack A. Vaughn, Ph.D.

The Theatre Arts Program at California State University Dominguez Hills offers students the opportunity to major or minor in theatre, to participate in an ambitious production program, and to receive individual attention from faculty to a degree seldom possible in larger colleges and universities.

Courses are offered in the fields of Acting and Directing, Design and Technical Theatre, Theatre History, Dramatic Literature, Dance, Dramatic Activities for Children, and others. Course requirements for both the major and minor programs provide for flexibility and allow students considerable choice in planning their academic careers.

The Program stages a number of productions each year, including contemporary plays, musicals, works from the classic repertory, and children's theatre. The award-winning University Theatre, seating 467 and equipped with the latest lighting and sound systems, houses these productions.

All Theatre Arts majors and minors are expected to participate in productions, and academic credit is given for such activities. Students may choose acting, costuming, scenery, lighting, or other areas of participation. All majors are required to pass the Comprehensive Examination in the final quarter of residence. A reading list is available in the program office and students should obtain one as soon as they enroll.

The major in Theatre Arts, when combined with any of the many minor fields offered in the University curriculum, prepares students for a variety of experiences in teaching, graduate study, communications, and other career pursuits.

REQUIREMENTS FOR THE MAJOR IN THEATRE ARTS

A total of 58 units of course work is required for the major in Theatre Arts, ten of which are in Lower Division offerings.

Lower Division

Theatre Arts 130. Acting I: Voice and Diction (2)

Theatre Arts 131. Acting I: Stage Movement (2)

One of the following:

Theatre Arts 141. Make-up for Stage and Television (2)

Theatre Arts 145. Theatre Graphics (2)

Theatre Arts 190. The Experience of Theatre (4)

Upper Division

A minimum of 48 units is required, including the following:

Theatre Arts 240–241. Production Workshop or Activity. *All Theatre Arts majors must register for at least one unit of Production Workshop or Activity during each quarter in residence.* A minimum of six units is required for the degree, and a maximum of twelve units may apply to the major requirements.

Theatre Arts 255. Theatre Studies I (6)

Theatre Arts 257. Theatre Studies II (6)

Theatre Arts 297. Senior Project in Theatre Arts (4)

Theatre Arts 299. Independent Study—Examination (2)

Twenty-four additional units in Theatre Arts courses, to be determined as a result of the Advisement Examination.

Advisement Examination. Every Theatre Arts major, during the first quarter in residence, must take the diagnostic Advisement Examination in Theatre Arts. Arrangements for taking this examination should be made in the Theatre Arts Program office.

REQUIREMENTS FOR THE MINOR IN THEATRE ARTS

The Minor in Theatre Arts is available to students majoring in other fields who are interested in learning how the theatre functions as one of the major cultural institutions in contemporary life. Thirty-two units of course work are required, twenty-four of which are in Upper Division course offerings.

Lower Division

Two courses from the following four:

Theatre Arts 130. Acting I: Voice and Diction (2)

Theatre Arts 131. Acting I: Stage Movement (2)

Theatre Arts 141. Make-up for Stage and Television (2)

Theatre Arts 145. Theatre Graphics (2)

Theatre Arts 190. The Experience of Theatre (4)

Upper Division

A minimum of 24 units is required, including the following:

Theatre Arts 240–241. Production workshop or Activity. *All Theatre Arts minors must register for at least one unit of Production Workshop or Activity during each quarter in residence.* A minimum of six units is required and no more than six may be used to fulfill minor requirements.

One of the following:

Theatre Arts 255. Theatre Studies I (6)

Theatre Arts 257. Theatre Studies II (6)

Twelve additional units in Theatre Arts courses, to be selected individually for each student, in consultation with an Advisor.

COURSE OFFERINGS IN THEATRE ARTS

Lower Division

130. ACTING I: VOICE AND DICTION (2).* Basic vocal techniques for the beginning actor. Intended to be taken concurrently with Theatre Arts 131. F(d), S(d)

131. ACTING I: STAGE MOVEMENT (2).* Basic movement for the beginning actor. Intended to be taken concurrently with Theatre Arts 130. F(d), S(d)

* Repeatable course.

141. **MAKE-UP FOR STAGE AND TELEVISION (2)**. Theory and practice of make-up for the stage and for television. Practical application through lab work and participation in make-up for campus productions. W(d)
143. **THEATRE OPERATIONS (2)**. An activity course providing students with the opportunity to master proper operation of lighting, sound, and scenery equipment and power tools. *Required of students planning to staff Theatre Arts building. Available for Cr/No Cr only.*
145. **THEATRE GRAPHICS (2)**. Fundamentals of drafting, drawing, rendering, and model building for the theatre.
190. **THE EXPERIENCE OF THEATRE (4)**. An introductory course highlighting the history and literature of the theatre through books, visual aids, and attendance at college and local productions. Students attend and discuss plays. F(d), W(d), S(e)

Upper Division

200. **ENJOYMENT OF THE PERFORMING ARTS (3)**. * Weekly attendance at various performing arts events, on campus and off, to include selections from concerts, plays, recitals, dance programs, musical theatre, films and television. Students attend one lecture-discussion per week and provide transportation to events. F(e), W(d), S(e)
215. **SELECTED DANCE STUDIES (1-4)**. * A single style of dance, such as ballet, modern dance, jazz, musical comedy. For actors or dancers. Topic may vary with each offering.
230. **ACTING II (4)**. * Improvisation, pantomime, and theatre games for the actor. F(d)
231. **ACTING III (4)**. * Intensive scene work in both period and modern styles. *Prerequisite: Theatre Arts 230.* W(d), S(d)
235. **DIRECTING WORKSHOP (3)**. Theory of directing and practice in staging plays. Students direct scenes and short plays, with possibility of public presentation. *Course meets for one hour of lecture and four hours of activity per week.*
237. **DRAMA ACTIVITIES FOR CHILDREN I (4)**. Studies in the application of creative dramatic activities in the development of young children, including some practical experience. Of particular value to Liberal Studies and Education majors.
238. **DRAMA ACTIVITIES FOR CHILDREN II (4)**. Advanced study of creative dramatics, including theatre games, improvisation, pantomime, and storytelling in the elementary classroom. Of particular value to Liberal Studies and Education majors. *Prerequisite: Theatre Arts 237 or consent of instructor.*
240. **PRODUCTION WORKSHOP (2)**. * An activity course providing students with practical experience in the performing of major roles and serving as heads of crews for major campus productions.
241. **PRODUCTION ACTIVITY (1)**. * An activity course providing students with practical experience in the performing of minor roles and serving as crew for major campus productions.
245. **COSTUME FOR STAGE AND TELEVISION (4)**. Fundamentals of costume for stage and television, including history of dress in the Western world, and costume instruction. Practical application through experience in campus productions. *Two hours of lecture and four hours of laboratory per week.* F(d)
247. **SCENERY FOR STAGE AND TELEVISION (4)**. Fundamentals of scenery construction and rigging for stage and television. Practical experience in campus theatre and television productions. *Two hours of lecture and four hours of laboratory per week.* W(d)

* Repeatable course.

248. **LIGHTING FOR STAGE AND TELEVISION (4)**. Fundamentals of lighting for stage and television. Practical experience in campus theatre and television productions. *Two hours of lecture and four hours of laboratory per week. S(d)*
255. **THEATRE STUDIES I (6)**. A team-taught core course exploring the theatre and drama of ancient Greece and Rome, Renaissance Italy, and neoclassical France.
257. **THEATRE STUDIES II (6)**. A team-taught core course exploring the theatre and drama of England, Spain, Germany, and the Orient.
259. **TWENTIETH CENTURY THEATRE (4)**. Modern theatrical styles and movements, from *ca.* 1880 to the present. Study of important modern and contemporary producers and theorists, such as Antoine, Stanislavsky, Artaud, and Grotowsky. S(d)
290. **SPECIAL TOPICS IN THEATRE (1-4)***. Study of a single topic in drama and theatre, to be determined by the instructor. Topic varies each offering.
297. **SENIOR PROJECT IN THEATRE ARTS (4)**. Individual projects, to be designed, presented, and discussed within the classroom. Students may select projects in the areas of acting, directing, design, scholarly research, or technical theatre. Required of every Theatre Arts major. *Prerequisite: Senior standing and a major in Theatre Arts.*
298. **INDEPENDENT STUDY IN THEATRE ARTS (2, 4)***. Investigation of a single topic, chosen in consultation with a faculty member, culminating in a paper, presentation, or project. *Prerequisite: consent of instructor and Theatre Arts Chairperson.*
299. **INDEPENDENT STUDY—EXAMINATION (2)**. Preparation for the comprehensive examination in Theatre Arts. Individual readings, with reports before the total group. *Prerequisite: Senior standing.*

* Repeatable course.

UNIVERSITY COLLEGE

Faculty for University College courses are drawn from the Student Affairs professional staff and from cooperating departments within California State University Dominguez Hills.

Courses with University College prefixes are designed for students who wish to use elective courses for personal growth and development, for career exploration, or for study of personal interactions. All courses offered for credit provide for a theoretical understanding of the subjects as well as for practical applications. Human growth experiences on a non-credit basis are also available through University College.

Students are encouraged to group courses in a student development sequence or to select individual courses to meet their needs or interests. Special one-time offerings of an interdisciplinary or topical nature are occasionally offered through University College and are listed in the quarterly class schedule.

COURSE OFFERINGS OF UNIVERSITY COLLEGE

101. **READING EFFICIENCY (1 or 2)**. Designed to develop flexible, effective reading skills. Diagnostic testing, individualized program utilizing resources of Center for Skills and Assessment.
103. **EFFECTIVE STUDENT LEADERSHIP (2)**. Introduction to Student Government structures particularly at CSUDH. Designed to assist students who are interested in becoming involved in student governance roles and in the policy and procedures of Student Government; covers history, politics, legalities, and structure of Student Government, and gives students experience in inter-personal communication, decision making and organizational skills as they relate to student leadership.
104. **ASSERTIVE TRAINING (2)**. Provides training in more effective communication, both oral and written; includes study of personal and student-teacher relationships, commercial interactions and career situations. Includes cross-cultural approach to behavior rehearsal and modeling techniques designed around assertion skills.
106. **CAREER AND PERSONAL EXPLORATIONS (4)**. Direction toward establishing and attaining career and life goals. Instruction in self- and time-management, problem-solving, decision-making skills, self-evaluation and goal-setting. Exploration of career options, field research, interest tests and values clarification exercises.
110. **THE DOMINGUEZ HILLS EXPERIENCE (2)**. Introduction to resources, services, policies and procedures of the University; teaching of effective listening, inter-personal communication, term paper preparation, and other skills which will enhance and facilitate the educational experience.
111. **COLLEGE-LEVEL LEARNING SKILLS (2)**. Intensive, individualized training in methods of efficient study and basic communication skills; development of techniques in study-reading of textbooks, efficient note-taking, vocabulary development, reading flexibility and speed, practical writing, preparation for essay and objective exams.



URBAN STUDIES

(School of Social and Behavioral Sciences)

Members of the Urban Studies Committee:

Chairperson: Gregory Smith, Ph.D., Professor (Geography)

Associate Professors: David Cady, Ph.D. (History); Robert Christie, Ph.D. (Sociology)

Assistant Professors: Linda Groff, Ph.D. (Political Science)

The Urban Studies Program is designed to provide a balanced interdisciplinary curriculum for the study of urban development processes, urban physical and social structures, urban problems and problem-solving techniques. Emphasis is placed on understanding the determinates of the urban condition in order to achieve the improvement of contemporary and future urban life. By integrating studies from diverse academic disciplines, the students may obtain an understanding of the city as a complex human product and environment. Members of the Urban Studies Committee are available to advise students in relation to specific career and academic goals.

Students having begun the Urban Studies major prior to September, 1978, remain eligible to complete that program as their major field.

REQUIREMENTS FOR THE MINOR IN URBAN STUDIES

24 units (6 courses) are required for the minor in Urban Studies. No more than one course may be taken in the department of the student's academic major.

- A. Perspectives on Urban Studies (Select three courses from two or more departments other than the department of your major)
- Economics 280. The Economics of Urban Areas (4)
 - Geography 235. Urban Geography (4)
 - History 210. The City in History (4)
 - Political Science 220. Urban Government of Policy Choices (4)
 - Public Administration 236. Urban Administration (4)
 - Sociology 212. The Urban Community (4)
- B. Urban Development, Ecology, and Urban Problems (Select *two* courses from different disciplines)
- Geography 222. Environmental Problems (4)
 - Geography 258. Coastal Geography (4)
 - History 212. Utopias and New Communities (4)
 - History 214. History of Los Angeles (4)
 - Political Science 238. Global Planning and the Future (4)
 - Political Science 275. Technological Policy and the Future (4)
 - Public Administration 230. Intergovernmental Relations and Administration (4)
 - Public Administration 237. Perspectives on Urban Issues (4)
 - Sociology 320. Population and Society (4)

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C. Techniques of Urban Research (select *one* course)

Geography 205. Cartography (4)

Geography 333. Environmental Impact Assessment (4)

History 211. Local Community's History (4)

Public Administration 225. Management Systems Analysis (4)

Public Administration 265. Development of Planning Standards (4)

Sociology 204. Action Research in Institutional Settings (4)

Sociology 208. Workshop in Social Impact Assessment (4)

Sociology 270. Field Studies in Urban Problems (4)

GRADUATE BULLETIN

GENERAL INFORMATION

Admission

Academic Regulations

Graduation Requirements

DEGREE PROGRAMS

Credential Programs

Certificate Programs

GRADUATE DEGREES OFFERED

School of Education

- Master of Arts in Education
 - Option in Curriculum
 - Option in Early Childhood Education
 - Option in Pupil Personnel
- Master of Arts in Special Education

School of Humanities and Fine Arts

- Master of Arts in English
- Master of Arts in Humanities (External Degree)

School of Management

- Master of Business Administration
- Master of Public Administration
- Master of Science in Administration (External Degree)

School of Natural Sciences and Mathematics

- Master of Arts in Biological Science
- Master of Science in Medical Technology (External Degree)

School of Social and Behavioral Science

- Master of Arts in Behavioral Science
 - Option in Applied Behavioral Science
 - Option in Gerontology
 - Option in Sociology
- Master of Arts in Psychology
 - Option in Clinical-Community Psychology
 - Option in Psychology
- Master of Science in Environmental Studies
- Master of Science in Marriage, Family, and Child Counseling

Graduate School

- M.A./M.S. Special Major

In accordance with the Academic Master Plan for this institution as approved by the Board of Trustees of The California State University and Colleges, graduate degrees in other areas are tentatively being planned. Public announcements will be made as they are approved.

CREDENTIAL PROGRAMS OFFERED

Teacher Education

Designated Subject Credential (Adult Education)

Specialist Credentials

Bilingual/Cross-Cultural

Early Childhood Education

Reading

Special Education

Services Credential

Pupil Personnel

Administrative

Single Subject Credential

Multiple Subject Credential

Further information concerning the requirements for Teacher Preparation credentials is found in the Education section, beginning on page 401 of this Graduate Bulletin.

CERTIFICATE PROGRAMS OFFERED

Graduate Certificate in Social Impact Assessment

Graduate Certificate in Social Research

EXTERNAL DEGREE PROGRAMS OFFERED

Master of Science in Administration

Master of Arts in Humanities

Master of Science in Medical Technology

APPLICATION PROCEDURES

All applicants for any type of post-baccalaureate status (e.g., master's degree applicants, those seeking credentials, those interested in taking courses for professional growth), must file a complete application within the filing period. *Second baccalaureate degree candidates should apply as undergraduate degree applicants and need not complete form B.*

A complete application for postbaccalaureate status includes all of the materials required for undergraduate applicants plus the supplementary graduate degree requirements and graduated the preceding term are also required to complete and submit an application and the \$20 nonrefundable application fee.

Since applicants for postbaccalaureate programs may be limited to the choice of a single campus on each application, redirection to alternative campuses or later changes of campus choice will be minimal. In the event that a postbaccalaureate applicant wishes to be assured of initial consideration by more than one campus, it will be necessary to submit a separate application (including fee) to each. Applications may be obtained from the Graduate Studies Office of any California State University or College campus in addition to the sources noted for undergraduate applicants.

Students accepted for post-baccalaureate or graduate study must enroll in the University in the quarter for which application was made. Failure to enroll will result in cancellation of admission. To enroll for a subsequent quarter will require a new application and fee.

Continuing Students

Students may elect to be absent for any two of three consecutive quarters without losing eligibility for re-registration, subject to the following conditions:

1. A permit to register will not be released to students who were scholastically disqualified following their most recent quarter of attendance at California State University Dominguez Hills.
2. Students who attend another college or university during an absence from California State University Dominguez Hills must file an application for admission as a returning student and must have official transcripts of work attempted sent to the Office of Admissions and Records. The non-refundable \$20.00 application fee is required.
3. Undergraduate students who graduate from California State University Dominguez Hills and wish to continue as graduate students must file a new application for admission. An application fee of \$20.00 is required.

Returning Students

Students who have been absent for three or more consecutive quarters prior to the quarter of return must apply for readmission, unless approved for and participating in the Planned Educational Leave Program, as described on page 55. Those who were enrolled in any of the three quarters preceding re-entry are exempt from the application and fee unless they were enrolled elsewhere during their absence.

Students who attend another institution during any absence must file an application for admission as a returning student and are subject to the non-refundable \$20.00 application fee.

ADMISSION

Requirements for admission to post-baccalaureate and graduate study are in accordance with Title 5, Chapter 5, Subchapter 2 of the *California Administrative Code*. Students shall have completed a four-year college course and hold an acceptable baccalaureate degree from an accredited institution. Applicants must also meet the professional, personal, academic, and other standards for graduate study, including qualifying examinations, prescribed by the University Graduate Studies Committee. A prospective applicant wishing further information is encouraged to consult the Office of Admissions and Records, the Graduate Program Coordinator or the Office of Graduate Studies and Research.

ADMISSION CATEGORIES

Applicants may be admitted to post-baccalaureate or graduate standing in any of the following categories:

Post-baccalaureate

Unclassified Post-baccalaureate Standing. A student admitted to Unclassified Post-baccalaureate standing is presumed not to be in pursuit of a degree, University-recommended credential, or certificate. This category is appropriate for students interested in personal enrichment or a state-referral credential program.

For admission to unclassified postbaccalaureate standing, a student must:

- a. hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association (or have completed equivalent academic preparation as determined by an appropriate campus authority);
- b. have attained a grade-point of at least 2.5 (on a five-point scale) in the last 90 quarter (60 semester) units attempted; and,
- c. have been in good standing at the last college attended.

Applicants seeking admission to unclassified post-baccalaureate standing who are interested in a state-referral credential program are required to obtain approval from the School of Education.

Admission to unclassified post-baccalaureate standing does not constitute admission to a graduate degree curricula. If admitted to the University in unclassified post-baccalaureate standing, matriculating as an undeclared major, the student may subsequently file a "Petition for Change of Status," without payment of fee, if desiring admission to a master's degree program. Such requests will be evaluated and processed in essentially the same manner as for a new student.

An unclassified postbaccalaureate student completing 300/400 level courses while in an undeclared status may apply a maximum of thirteen of these units toward a specific graduate degree program. Any such units completed prior to admission into a specific graduate program must be approved by the Graduate Program Coordinator via written petition.

Classified Post-baccalaureate Standing. A student who is eligible for admission to a California State University or College in unclassified standing may be admitted to classified postbaccalaureate standing for the purpose of enrolling in a particular postbaccalaureate credential or certificate program provided that such additional professional, personal, scholastic, and other standards, including

qualifying examinations, as may be prescribed for the particular program by the appropriate campus authority, are satisfied.

For admission an applicant must meet the following requirements:

- a. Hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association;
- b. Have attained a grade-point average of at least 2.50 in the last 90 quarter units attempted, excluding extension units;
- c. Have been in good standing at the last college attended;
- d. Obtain approval from the School of Education.

Special Admission Action. An applicant not qualifying for admission under the regular admission criteria may be admitted by special action if, on the basis of acceptable evidence, the applicant is judged by the appropriate department to possess sufficient academic and professional potential pertinent to the educational objectives to merit such action.

Graduate Degree Programs

If applicants meet University requirements for admission and desire admission to a master's program, the application will be reviewed in the appropriate department.

Conditionally Classified Graduate Standing. A student eligible for admission to a California State University or College under unclassified postbaccalaureate standard above, but who has deficiencies in prerequisite preparation which in the opinion of the appropriate campus authority can be met by specified additional preparation, including qualifying examinations, may be admitted to an authorized graduate degree curriculum with conditionally classified graduate standing.

To be admitted to a graduate degree program with conditionally classified graduate standing, the applicant must have:

- a. Earned an acceptable baccalaureate degree at an institution accredited by a regional accrediting association;
- b. Maintained a grade-point average of 2.5 or better in the last 90 quarter units attempted, not including extension units;
- c. Been in good standing at the last college or university attended;
- d. Met the requirements specified in the program descriptions.

After admission and enrollment, requests for a change to a different academic program will be evaluated following policies and procedures parallel to those for new students.

Classified Graduate Standing. A student eligible for admission to a California State University or College in unclassified or conditionally classified standing may be admitted to an authorized graduate degree curriculum of the campus as a classified graduate student if he or she satisfactorily meets the professional, personal, scholastic, or other standards for admission to the graduate degree curriculum including qualifying examinations, as the appropriate campus authority may prescribe. Only those applicants who show promise of success and fitness will be admitted to graduate degree curricula, and only those who continue to demonstrate a satisfactory level of scholastic competence and fitness shall be eligible to proceed in such curricula.

Special Admission Action

An applicant who does not qualify for admission under the regular admission criteria may be admitted to a graduate degree program by special action if, upon the basis of acceptable evidence, the applicant is judged by the specific Graduate Program Coordinator and School Dean to possess sufficient academic and professional potential pertinent to the educational objectives to merit such action.

Graduates of Non-Accredited Institutions

Students from non-accredited institutions are admitted as undergraduates. They may be granted conditionally classified standing if they satisfy the following conditions:

1. Meet minimum admission requirements to the graduate degree program.
2. Obtain written approval of the graduate program coordinator for provisional admission as an undergraduate.
3. Complete a minimum of four *upper-division* courses (16 quarter units) specified in advance by the graduate program with a grade-point average of 3.0 or better. These courses may not count as unit credit toward the master's degree.
4. Obtain written recommendation of the graduate program and the Dean of Graduate Studies and Research for conditionally classified standing.

Foreign Visa Students

Foreign visa applicants are required to comply with the following requirements and instructions.

1. Must meet regular graduate admission requirements.
2. Must show evidence of competence in the English language.
 - a. All foreign students applying directly from a foreign country must submit the results of the Test of English as a Foreign Language (TOEFL).
 - b. Foreign students having attended a U.S. institution may be required to submit the results of the TOEFL if the University deems it necessary to show evidence of competence in English.
3. Must be eligible for an F-1 Visa. Other foreign visa students are not considered for admission.
4. Must submit two copies of the official transcripts from colleges and universities previously attended. Must show at least the last 60 semester units attempted excluding extension courses. Must show the degree earned. If transcripts are in a foreign language, a certified English translation is required.
5. Must have earned a baccalaureate degree from an accredited institution.
6. Must file part A and B of the application for admission with the application fee.
7. Must submit a financial responsibility statement. The form is available from the Office of Admissions and Records.

Students with Foreign Academic Work

Students with foreign academic work are required to submit official copies of academic records, along with a certified English translation. These records should include: (1) secondary school records, (2) yearly records from each college or university attended indicating the number of hours per semester or per year devoted to each course and the grades received, and (3) official

documents confirming award of the degree with the title and date.

All official documents submitted become the property of the University and the acceptability of any foreign work will be determined by the University.

Graduate or Post-Baccalaureate Transcript Requirements

The regulations stated in "Undergraduate Admissions" also apply to the graduate and post-baccalaureate applicants with the following exceptions:

1. Two official copies of transcripts are required from each institution attended at which the last 90 quarter units (60 semester) were earned, excluding extension units. Two copies from the institution awarding the baccalaureate degree must be included.
2. All transcripts must be received directly from the issuing institutions. All transcripts become the property of the University and will not be released or copied. Processing of applications cannot be guaranteed unless all required documents are received during the designated application period. Individuals who do not file an application for admissions are advised that transcripts are retained for one year, after which they are destroyed.
3. Any student who earned the bachelor's degree at California State University Dominguez Hills and subsequently applies for graduate or post-graduate status at this institution is not required to request and pay for transcripts from this University. When the application for graduate or post-baccalaureate status is received, the Records Office will provide two copies for the student's file, one for evaluation and one for the graduate department.
4. If the student desires additional copies of transcripts for other uses than described in (3) above, they will have to be requested and paid for according to established procedure.

Test Score Requirements

The Graduate Record Examination (GRE) Aptitude Test (verbal and quantitative) is required of applicants seeking admission to several master's degree programs. GRE Advanced Tests in subject areas and/or combined scores are required for some programs. Applicants for admission to programs in Business Administration must take the Graduate Management Admissions Test (GMAT).

Examination schedules for 1979-80 are available from the Center for Skills and Assessment. Application forms are also available from that office. It is the responsibility of the applicant formally to request that all required test scores be mailed directly to California State University Dominguez Hills, Office of Admissions and Records.

Credit for Transfer Work

In order to receive credit toward a degree for post-baccalaureate work taken at other colleges or universities, students must have official transcripts forwarded to the Office of Admissions and Records. The University will honor credit for work taken at another college or university only when it appears on an official transcript from that institution. A maximum of 13 quarter units of approved credit may be transferred from an accredited college or university. The work must have been completed as a graduate student (not including student teaching). Extension courses may apply if the transcript clearly indicates that the course would have applied toward a graduate degree at the sponsoring institution. Extension courses at the graduate level (400 level series, if from CSUDH) may apply. No

more than 13 quarter units of extension courses are acceptable. Transfer credit is subject to evaluation and advisor approval.

ACADEMIC REGULATIONS

Advisement

As the first step in the registration process, all new students are required to obtain departmental approval of the courses selected for each quarter's study program. Unclassified post-baccalaureate students with "undeclared" status must see the Dean of Graduate Studies and Research for advisement. To assist in the initial advisement and course selection, newly admitted students need to have with them a personal copy of their college transcripts and the copy of their evaluation, if received.

Early in their first quarter of attendance students should make an appointment with a graduate advisor to plan a complete program of study for the degree, if this cannot be accomplished during the advisement session preceding the initial registration. This complete program becomes the basis for evaluating the student's eligibility for receiving a degree. Changes in the program of study may be made only with the approval of the student's advisor and School Dean.

Study Load

There is no official minimum load for graduate students other than for those who wish to receive subsistence or other benefits and for graduate students from foreign countries. In order to maintain student status, the minimum study load for foreign visa students earning a master's degree is 8 units of graduate level courses each quarter.

Concurrent Course Scheduling

No student is permitted to enroll in two or more courses concurrently within any academic quarter.

Grading System

The following grading system applies for post-baccalaureate study: A (Excellent), AB, B (Very Good), BC, C (Satisfactory), CD, D (Barely Passing), F (Failure), I (Incomplete—not counted in grade average), W (Withdrawal—not counted in grade average), U (Unauthorized Incomplete), and CR/NC, with CR indicating work of such quality as to warrant a grade of B or better in courses taken as a post-baccalaureate or graduate student. (RD indicates Report Delayed.)

All undergraduate level courses must be taken for a letter grade. A course in which a post-baccalaureate or graduate student earns a grade below C must be repeated, with the grades earned in the original enrollment and the repeat enrollment averaged when computing the grade-point average. A course in which a post-baccalaureate or graduate student earns a grade of C may be repeated, if approved by petition, with the grades earned in the original enrollment and the repeat enrollment averaged when computing the grade-point average.

For further description of grades and the grading system, see this subject under "Academic Regulations" on page 67.

Credit/No Credit Grades for Graduate Students

1. Graduate courses graded on a CR/NC basis are limited to courses specifically designated in the catalog for non-traditional grading and to certain 300 and 700 level courses in the School of Education.
2. At the graduate level, CR is the equivalent of an A, AB or B; and NC is the equivalent of BC, C, CD, D or F.
3. At least 36 of the units used to fulfill the requirements for a Master's degree shall be graded on a traditional basis. The remaining units may be graded CR/NC, if the course is offered only on that basis.

Academic Probation and Disqualification

Academic probation and disqualification regulations differentiate between students enrolled in a graduate program and those enrolled in unclassified and classified post-baccalaureate status.

1. Conditionally classified and classified graduate students are placed on scholastic probation if they fail to maintain a cumulative grade point average of 3.0 in all units attempted subsequent to admission to conditionally classified or classified graduate standing. If they do not bring their grade-point average up to 3.0 in the following quarter in residence, they are subject to disqualification from the program in which they are classified or conditionally classified.

Students who have been disqualified from a master's degree program may be admitted to another degree program only on the recommendation of the department concerned and with the approval of the appropriate School Dean.

2. Unclassified and classified post-baccalaureate students are placed on scholastic probation if their grade-point average falls below 2.5. If they do not bring the grade-point average up to 2.5 in the following quarter in residence they are disqualified from pursuing work at the University.

Students disqualified for scholarship deficiency may not enroll in any regular session of the campus without permission from the appropriate School Dean and may be denied admission to other educational programs operated or sponsored by the campus.

Students attempting a second baccalaureate degree are subject to the same probation and disqualification standards as seniors.

GRADUATION REQUIREMENTS

Title V Provisions

Students seeking a master's degree from the college must complete specific requirements as determined by the Trustees of the California State University and Colleges: the Administrative Code, Title 5; and, California State University Dominguez Hills.

Advancement to Candidacy. A student who has been granted classified graduate standing may, upon application, be advanced to candidacy. This means that the student has accomplished the preliminary steps on the way to the degree, and that the faculty believes the student is capable of achieving the degree. Minimum requirements for advancement to candidacy include:

- a. Status as a classified graduate student;
- b. Recommendation of the appropriate graduate program;
- c. Approval of the Dean of Graduate Studies and Research.

Dominguez Hills Graduation Requirements.

Upon being advanced to candidacy, the classified graduate student must complete the following specific graduation requirements to earn a graduate degree:

1. The satisfactory completion of a specified pattern of study.
2. A minimum of 45 quarter units of approved graduate work within 5 years for the particular program. An extension of time may be granted if warranted by individual circumstances and if the outdated work is validated by comprehensive examination, by relevant additional coursework, or by such other demonstration of competence.
Distribution of the 45-unit pattern:
 - a. Not less than 32 quarter units completed in residence;
 - b. Not less than one-half of units required for the degree in courses organized primarily for graduate students;
 - c. Not more than nine quarter units allowed for a thesis.
3. A grade-point average of 3.0 or better in all courses taken to satisfy the requirements for the degree, except that a course in which no letter grade is assigned shall not be used in computing the grade-point average.
4. Some type of final evaluation, near the end of the student's work toward a master's degree, is required. Specific program requirements are as follows:
 - Behavioral Science (Applied Option): thesis or examination*
 - Behavioral Science (Gerontology Option): thesis or examination*
 - Behavioral Science (Sociology Option): thesis*
 - Biological Science: thesis or examination*
 - Business Administration: capstone course*
 - Education (Curriculum and Pupil Personnel Options): thesis or examination*
 - Education (Early Childhood Education Option): internship*
 - English: special project*
 - Environmental Studies: special report*
 - Marriage, Family, and Child Counseling: internship and examination*
 - Psychology (Clinical-Community Psychology Option): internship and examination*
 - Psychology (Clinical-Community Psychology Option): examination*
 - Psychology (General Psychology Option): thesis*
 - Public Administration: examination*
 - Special Education (all concentrations): thesis or examination*
 - Special Major: thesis, special project or examination*
5. Apply for award of the Master's degree.

Upon completion of the CSUDH graduation requirements, award of the graduate degree must be approved by the program, the Dean of Graduate Studies and Research, and the faculty of the University.

Application for Graduation

During the first week of the final quarter of the degree program the student should obtain a Graduation Application for Master's Degree card from the appropriate graduate program office, and file the completed card in the Office of Admissions and Records. At the same time, a copy of the student's Program

for the Master's Degree should be sent to the Office of Admissions (Graduation Section) in order that a Master's Degree Check may be prepared.

If all degree requirements are not completed during the quarter of the application, change of graduation date card must be filed listing the quarter of actual completion of the requirements; however, there is no additional diploma fee.

GRADUATE THESIS ENROLLMENT

1. The graduate student enrolls in the thesis course for a maximum of 9 units. No further enrollments are allowed.
2. The graduate student is allowed one year to complete the thesis. An extension of an additional year is permitted under unusual circumstances with the approval of the thesis chair, the graduate program coordinator and the Dean of Graduate Studies and Research. *Note: the thesis time period is included in the 5-year period for completion of the graduate degree.*
3. The graduate student may file an application for special borrower's library privileges with the Librarian. The application requires approval of the thesis chairman.

STANDARDS FOR THESES AND PROJECT REPORTS

All graduate students who undertake a Project, Practicum, or Thesis as a capstone work toward the Master's Degree should request from their Thesis Committee or from the Library Thesis Officer a complete manual of local format and submission requirements entitled *Instructions for the Preparation and Submission of the Master's Thesis*. The information below represents only excerpted highlights from this complete thesis manual.

A. Required Format

(1) The thesis project must be submitted in its entirety first to the Thesis Committee and then to the Library Thesis Officer for final approval. Projects will normally be accompanied by a report which must be written in thesis format. An original copy of a project (and that might be a film, cassette, filmstrips, etc.) must be submitted for housing in the library. Exceptions for financial hardship may be granted, and the library will accept a copy rather than an original in these occasional cases.

(2) The thesis or project report must contain an abstract of no more than 150 words. This abstract will be published by University Microfilms in the journal *Master's Abstracts*.

(3) Specifications for margins and for quality of paper are outlined in detail in the thesis manual noted above.

(4) Quality of typing is important. The Library Thesis Officer can supply the names of typists who have recently completed satisfactory theses. An experienced typist is strongly advised, although the university does not endorse or recommend typists. Typographical errors, misspellings, and awkward sentence construction are among the items for which the Library Thesis Officer will require re-typing. The officer will also note any margin violations or other violations of format as set out in the thesis manual.

(5) A thesis or project report should be written in a formal, scholarly manner. A style manual will be used by the student, but the choice of which (i.e.,

Campbell, Turabian, A.P.A. Publication Manual, M.L.A. Style Sheet, etc.) is normally to be decided upon by the Thesis Committee. The Library Thesis Officer will review the paper with an eye to possible violations of style manual rules and make revision suggestions.

(6) The Library Thesis Officer may be consulted at any time about matters concerning format.

B. Required Approval

Signatures of all members of the Thesis Committee must be submitted with each copy of the thesis or project report on an official approval page, an example of which is included in the thesis manual. These signatures signify approval of both the content and the form of the thesis or the project by the graduate program. After reviewing the thesis and suggesting revisions, the Library Thesis Officer will accept the three required revised copies and sign a library approval form which will then be transmitted by him or her to the graduate section of Admissions and Records.

C. Procedures for Submission

After the Committee-approved thesis or project report has been submitted to the Library Thesis Officer for inspection, the librarian has made suggestions for revisions and these are accomplished, the Library will require two copies of the the thesis or project report (the original plus one copy). The copy should *not* be made until the Library Thesis Officer gives permission to do so.

The deadline for submission to the Library Thesis Officer is *exactly two weeks* prior to the last final examination day of any quarter in which the student expects to be graduated.



MASTER OF SCIENCE DEGREE * IN ADMINISTRATION

EXTERNAL DEGREE PROGRAM

(School of Social and Behavioral Sciences)

Program Director: Jesse U. Overall, Ph. D.

The Master of Science in Administration (MSA) program provides a broad knowledge of administrative theory and practice to individuals with decision-making responsibilities. Major emphasis is placed on the management of human resources. The MSA is a self-support program, offering evening classes at off-campus locations (presently in the Los Angeles International Airport area). Classes meet once per week and students typically take two courses each quarter.

ADMISSION TO THE PROGRAM

Individuals seeking entrance into the MSA program should contact the Director, External Programs in Administration (515-3351), for more detailed information.

Students who meet all the requirements for admission to the MSA program will be granted classified standing; those who enroll prior to fulfilling all the requirements may be admitted to conditionally classified standing. Students granted conditional classification will be required to remedy all admission deficiencies before they can register for a second quarter. Failure to do will result in disqualification from the program.

Admission Requirements

1. Graduation from an accredited institution of higher education with a bachelor's degree.
2. A cumulative grade point average of at least 2.5 in a 4.0 system, for the last 60 semester or 90 quarter units attempted.
3. Employment in an administrative or managerial position.
4. A letter of recommendation from the applicant's employer (i.e., supervisor).
5. A minimum score of 550 on the Test of English as a Foreign Language (TOEFL) required only of students who have received all, or a significant portion, of their education in a non-English-speaking country.

* For specific External Degree information concerning admission, fees, graduation, and other policies and procedures, contact the Director listed on this page.

NOTE: Applicants who do not hold a bachelor's degree from an accredited college or university, but who have completed the Portal Certificate Program, offered jointly by the School of Management and the Division of Community Programs, will be admitted, provided they (1) earned a grade point average of 2.5 or better in Portal, and (2) have submitted their score on the Graduate Management Admissions Test (GMAT).

REQUIREMENTS FOR THE MASTER OF SCIENCE IN ADMINISTRATION

Required (45 units):

- Administration 403. Law and Public Policy (4)
- Administration 413. Personnel Management (4)
- Administration 415. Applied Economics and Finance (6)
- Administration 417. Management and Organizational Theory (4)
- Administration 420. Applied Administration and Critique of Programs (4)
- Administration 435. Decision Making I (4)
- Administration 436. Decision Making II (4)
- Administration 475. Integrative Case Studies (3)
- Behavioral Sciences 403. Behavioral Science Foundations for Administrators (4)
- Behavioral Sciences 431. Organizational Communication and Behavior (4)
- Business Administration 417. Seminar in Industrial Relations (4)

Credit for Course Work at Other Institutions

Transfer credit toward MSA course requirements is limited to 9 quarter (6 semester) units of similar coursework taken at other accredited post-secondary institutions. To qualify for transfer credit, undergraduate or graduate courses must have been completed with a grade of "B" or better, and be approved by the Director, External Programs in Administration.

Scholarship Standards and Grading

A grade point average of 3.0 or better in all courses taken to satisfy the requirements for the degree is required. A student will be placed on probation if in any quarter he or she fails to earn a grade point average of 3.0 or higher for the work taken through that quarter. During the subsequent probationary quarter the student must achieve a grade point average sufficiently high to bring his or her cumulative grade point average to 3.0 or better. Failure to do so may result in dismissal from the program.

Any student receiving a grade of "C" or lower during any quarter must meet with the MSA Director as soon as grade reports are issued.

COURSE OFFERINGS IN M.S.A.

- 403. LAW AND PUBLIC POLICY (4).** Concepts in constitutional and administrative law affecting administrative behavior; economic and legal influences of government.
- 413. PERSONNEL MANAGEMENT (4).** Principles and practices of personnel management in public and private organizations; techniques of selection, training, and evaluation of employees; governmental regulations, grievance procedures, and labor-management relations.

415. **APPLIED ECONOMICS AND FINANCE (6)**. Selected economic concepts useful to administrators in diverse types of organizations; forecasting methods, capital budgeting techniques, pricing strategies.
417. **MANAGEMENT AND ORGANIZATIONAL THEORY (4)**. Conceptual foundations of the managerial function; strategies and tactics available to the professional manager.
420. **APPLIED ADMINISTRATION AND CRITIQUE OF PROGRAMS (4)**. Critical evaluation of programs; development of evaluation criteria and their application to actual situations.
435. **DECISION MAKING I (4)**. Methods of selecting, collecting, and analyzing relevant data for administrative decision-making.
436. **DECISION MAKING II (4)**. Continuation of Administration 435.
475. **INTEGRATIVE CASE STUDIES (3)**. Capstone course; case studies from a variety of organizations, involving integration of concepts and skills.



MASTER OF ARTS DEGREE IN BEHAVIORAL SCIENCE

(School of Social and Behavioral Science)

Chairperson: David Nasatir, Ph.D., Professor (Behavioral Science)

Professor: G. Peter Paulhe, Ph.D. (Behavioral Science and Sociology)

Assistant Professor: David A. Churchman, Ed.D. (Behavioral Science)

Option Coordinators:

Applied Option: David Nasatir, Ph.D., Professor of Behavioral Science

Gerontology Option: Sharon Raphael, Ph.D., Associate Professor of Sociology

Sociology Option: Herman Loether, Ph.D., Professor of Sociology

The program leading to the M.A. degree is a four-quarter sequence of courses that should be of value to counselors, personnel specialists, administrators, teachers, health service professionals, criminal justice workers, program evaluators, applied researchers, those interested in community college credentials, and those intending to pursue further studies in behavioral science, gerontology, sociology, communications, or education.

Concepts and models from all of the behavioral sciences form the core of the curriculum. Students are exposed to an interdisciplinary perspective particularly useful for examining the utility, effectiveness, limitations and difficulties associated with the design, employment and evaluation of formal and informal techniques for social intervention. The program provides an opportunity for students to specialize in the study of sociology, gerontology, counseling in family matters, social program design and evaluation, and social impact assessment, as well as the flexibility to pursue a program constructed to meet individual needs.

Admission, Classification, and Advancement to Candidacy

To be considered for admission to the Behavioral Science Graduate Program, applicants must complete the appropriate forms and pay the established fees through the Office of Admissions. Successful applicants must possess a bachelor's degree from an accredited college or university and a GPA of 2.85 or higher in the last 90 quarter units (60 semester units) of undergraduate work (excluding units earned in extension studies). Applicants must also meet special requirements of the particular option for which application is being made. The requirements and procedures for admission, classification and advancement to candidacy vary among the options as follows:

Applied Behavioral Science Option

Admission: Applicants must submit a letter of application to the Coordinator of the Applied Option describing the applicant's reasons for applying to the Applied Option and outlining the expectations of what will be obtained from the applicant's investment in this activity.

Classification: A student must become classified in the Applied Option of the Behavioral Science Graduate Program in order to take more than 16 units, write a thesis, take comprehensive examinations, or enroll in the following courses: Behavioral Science 496, 497, 498, 499. To become classified in the Applied Option, a student must complete the Behavioral Science core courses listed below, with a grade point average of 3.0 or better, within three quarters after admission to the program.

- Behavioral Science 410. Seminar in Theory (4)
- Behavioral Science 414. Seminar in Research Methods (4)
- Behavioral Science 420. Critique of Programs and Practices (4)

Advancement to Candidacy: Candidacy status denotes successful completion of a significant portion of a student's graduate program. A student must be advanced to candidacy before either enrolling in Behavioral Sciences 499 (Thesis) or taking comprehensive exams. To be advanced to candidacy, students must be classified and must have completed three 400-level Behavioral Science courses in addition to the core courses listed above. (Behavioral Science 497 or 498 may not be counted toward fulfillment of the requirements for advancement to candidacy.)

Gerontology Option

Admission: Applicants must arrange for a personal interview with the Coordinator of the Gerontology Option.

Classification: A student must become classified in the Gerontology Option of the Behavioral Science Graduate Program in order to take comprehensive examinations or enroll in the following courses: Behavioral Science 496, 497, 498, 499. To become classified in the Gerontology Option, a student must complete the Behavioral Science core courses listed below, with a grade point average of 3.0 or better:

- Behavioral Science 410. Seminar in Theory (4)
- Behavioral Science 445. Retirement Planning, (4), *or*
- Behavioral Science 455. Theories of Gerontology (4)
- One elective Gerontology course (4)

Advancement to Candidacy: Candidacy status denotes successful completion of a significant portion of a student's graduate program. A student must be advanced to candidacy before enrolling in Behavioral Science 499 (Thesis). In addition to having classified status, the requirements for advancement to candidacy in the Gerontology Option are the completion of:

Three courses from the following list:

- Behavioral Science 445. Retirement Planning (4)
- Behavioral Science 446. Seminar on Death and Dying (4)
- * Biology 286. Human Aging (4), *or*
- * Physical Education 234. Recreation and Gerontology (4)
- Psychology 450. Seminar in Developmental Psychology (4)
- Sociology 429. Seminar in Social Gerontology (4)
- Sociology 461. Seminar in Minority Aging (4)

(NOTE: Only *one* course marked * may be taken toward the satisfaction of this requirement.)

Sociology Option

Admission: Applicants must submit a letter of application to the Coordinator of the Sociology Option. The applicant should have two letters of recommendation forwarded to the Coordinator. When possible an applicant should arrange an interview with a member of the Graduate Committee of the Sociology Department or the Coordinator.

Classification: Students requiring additional course work to qualify for admission to the core graduate courses will take from one to four relevant undergraduate social science theory and methods courses as approved by the Coordinator. Students should complete the following core courses as early in their graduate career as possible:

- Sociology 405. Seminar in Sociological Methods (4)
- Sociology 455. Seminar in Sociological Theory (4)
- Sociology 411. Seminar in Social Organization (4), *or*
- Sociology 450. Seminar in Interaction Processes (4)

To become classified in the Sociology Option, a student must complete all core course work with a minimum grade of B in each course and within three quarters. The student must have selected a graduate advisor, formally notified the graduate Coordinator, and submit a petition for change to classified status.

NOTE: A student must be classified in the Sociology Option in order to take more than 16 units or register for the following courses:

- Sociology 495. Practicum in Teaching (4)
- Behavioral Science 496. Internship (4)
- Behavioral Science 497. Directed Research (2)
- Behavioral Science 498. Directed Reading (2)
- Behavioral Science 499. Thesis (1-5)

Advancement to Candidacy: In the Sociology Option candidacy for the degree denotes the successful completion of a major portion of the graduate academic program. To be advanced to candidacy, students must be classified and must have completed three graduate seminars in sociology beyond the core seminars with a minimum GPA of 3.0. They should also prepare a thesis proposal, in consultation with their advisor. Proposals are submitted in writing, the title registered with the Program, and defended orally in front of the student's Thesis Committee. Approval of the written and oral proposal by the Committee will signal the student's advancement to candidacy.

GRADUATE CERTIFICATE IN SOCIAL RESEARCH

The Graduate Certificate in Social Research is designed to qualify recipients to supervise researchers in all phases of research projects from the initial conceptualization to the final report writing. To obtain the certificate candidates must demonstrate their competence to teach and supervise researchers in conceptualization, research design, sampling design, data collection, data analysis and report writing. Note: The student in the certificate program must meet the admission requirements for the sociology option in the behavioral science graduate program and must maintain a 3.0 ("B") average.

The requirements for the Certificate are as follows:

A. The following required courses may be applied to the Sociology Option of the Master of Arts Program in Behavioral Science:

- Behavioral Science 401. Advanced Statistics for Behavioral Science (4)
- Behavioral Science 412. Computer Applications in Behavioral Science (4)
- Sociology 206. Multivariate Analysis in Sociology (4)
- Sociology 256. Theory Building in Sociology (4)
- Sociology 403. Seminar in Ethnographic Analysis in Sociology (4)
- Sociology 405. Seminar in Sociological Methods (4)
- Sociology 455. Seminar in Sociological Theory (4)

(Appropriate courses from other disciplines may be substituted with consent of advisor.)

- B. The following courses must be taken in the Social Systems Research Center:
- Sociology 204. Action Research in Institutional Settings (4)
 - Sociology 208. Workshop in Social Impact Assessment (4)
 - Sociology 302. Workshop in Survey Research (4), *or*
 - Sociology 402. Graduate Workshop in Research and Theory (4)
- (A total of 20 units must be taken from B, including at least 12 units of Sociology 402.)

GRADUATE CERTIFICATE IN SOCIAL IMPACT ASSESSMENT

The Graduate Certificate Program in Social Impact Assessment is the second component of a "Dual-Level" certificate program that integrates undergraduate and graduate instruction to provide an educational career ladder for Social Impact Assessment. To obtain the certificate, candidates must receive training in all areas of social impact assessment research, from conceptualization and design through data collection and analysis to policy recommendations. The certificate can be completed as a concentration with the Sociology Option of the Behavioral Science Master's Degree Program or be completed by itself. Admission to the program requires prior consultation with the Social Impact Assessment advisor. To be qualified for admission to the Graduate Certificate Program, applicants must have educational experiences equivalent to a baccalaureate degree. Students who have not completed a baccalaureate degree must present evidence of satisfactory preparation during or before an interview with the Social Impact Assessment Project Directors. Certificate candidates must maintain a 3.0 ("B") average. The student in the certificate program must meet established requirements to be classified for the Sociology option in the Behavioral Science Graduate Program.

The following required certificate courses should be taken in the listed order:

1. Sociology 412: Seminar in Sociology of Urban Change (4)
in conjunction with or followed by:
2. Sociology 430: Seminar in Social Change (4)
3. Sociology 405: Seminar in Sociological Methods (4)
4. Sociology 432: Seminar in the Theory and Methods of Social Impact Assessment (4)
5. *Two sections* of Sociology 408: Graduate Workshop in Social Impact Assessment.
Prerequisite: Sociology 432.

(All students must satisfy prerequisite requirements for the above courses.)

REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN BEHAVIORAL SCIENCE

Applied Behavioral Science Option

1. 45 quarter units selected as follows:
 - A. Required courses (12 units):
 - Behavioral Science 410. Seminar in Theory (4)
 - Behavioral Science 414. Seminar in Research Methods (4)
 - Behavioral Science 420. Critique of Programs and Practices (4)
 - B. 20 additional units selected from 400-level courses designated Behavioral Science. Up to 5 quarter units of thesis (Behavioral Science 499) may be included if student elects the thesis option.

- C. 13 additional elective units *with approval of the graduate advisor* to be selected from upper division and graduate courses in behavioral science, psychology, sociology, anthropology, political science, biology, and history.
2. Completion of one of the following:
 - A. Master's thesis
 - B. Comprehensive examinations in theory, methods, and an applied problem.
3. A grade point average of 3.0 or better in all courses taken to satisfy the requirements for completion of the degree.

Gerontology Option

1. 45 quarter units selected as follows:
 - A. Required courses (16 units):
 - Behavioral Science 410. Seminar in Theory (4)
 - Behavioral Science 414. Seminar in Research Methods (4)
 - Behavioral Science 420. Critique of Programs and Practices (4)
 - Behavioral Science 455. Theories of Gerontology (4)
 - B. 20 additional units selected from the following: *
 - Behavioral Science 445. Seminar in Retirement Planning (4)
 - Behavioral Science 446. Seminar in Death and Dying (4)
 - + Biology 286. Human Aging (4), *or*
 - + Physical Education 234. Recreation and Gerontology (4)
 - Psychology 450. Seminar in Developmental Psychology (4)
 - Sociology 429. Seminar in Social Gerontology (4)
 - Sociology 461. Seminar in Minority Aging (4)
 - C. 8 quarter units of internship (Behavioral Science 496).
 - D. A maximum of 5 quarter units of thesis (Behavioral Science 499) may be included, if student elects the thesis option.
2. Completion of one of the following:
 - A. Master's Thesis
 - B. Comprehensive exams
3. A grade point average of 3.0 or better in all courses taken to satisfy the requirements for completion of the degree.

Sociology Option

1. 45 quarter units selected as follows:
 - A. Sociology 405. Seminar in Sociological Methods (4)
 - Sociology 455. Seminar in Sociological Theory (4)
 - Sociology 411. Seminar in Social Organization (4), *or*
 - Sociology 450. Seminar in Interaction Processes (4)
 - B. 20 additional units from graduate sociology courses.
 - C. 13 additional elective units including 8 units from the Behavioral Science Graduate Programs.
2. Completion of a thesis.
3. A grade point average of 3.0 or better in graduate study.

COURSE OFFERINGS

An understanding of statistics and research methods, graduate standing, and consent of instructor are prerequisite to enrollment in the following courses:

* A maximum of two other relevant courses may be substituted for those listed, with the consent of the Gerontology Option Coordinator.

+ Only *one* course marked (+) may be taken for credit toward the satisfaction of this requirement.

Behavioral Science

- 400. INTRODUCTION TO GRADUATE STUDIES IN BEHAVIORAL SCIENCE (2).** Consideration of the scope of the M.A. program in Behavioral Science.
- 401. ADVANCED STATISTICS FOR BEHAVIORAL SCIENCE (4).** Analysis of variance as it relates to various experimental designs, and such topics as factor analysis, multi-variant regressive analysis, path-analysis, and scaling techniques. *Prerequisites: Psychology 230, Sociology 206, or the equivalent, and consent of the instructor.*
- 403. BEHAVIORAL SCIENCE FOUNDATIONS FOR ADMINISTRATORS (4).** An introduction to selected concepts in behavioral science, their integration to and use in administration. Individual, group, organization, and cultural behavior in relation to organizational environment and functional fields of administration. Simulations and demonstrations of behavioral science principles.
- 404. GRANT PROPOSAL WRITING (4).** Identifying potential sources for grants. Writing the formal proposal and developing the budget. The federal proposal review process. Administering successful proposals. Improving organizational response to funding opportunities.
- 410. SEMINAR IN THEORY (4).** Discussion of the origin, development, and usefulness of theory in general, followed by a critical examination of specific theories from various fields investigating all aspects of behavior (anthropology, biology, psychology, for example) and a determination of their value in leading to understanding of human beings as individuals and in social relations. *Prerequisites: Psychology 260, Sociology 255, or the equivalent, and consent of instructor.*
- 411. CROSS-CULTURAL BEHAVIOR IN COMPLEX SOCIETIES (4).** Analysis and discussion of cultural factors affecting human behavior in complex societies. Emphasis upon the cultural behavior of the major ethnic groups in the United States as it relates to family organization and critical life choices.
- 412. COMPUTER APPLICATIONS IN BEHAVIORAL SCIENCE (4).** Past and present applications of computers in social science data processing, statistical analysis, laboratory research, field studies, simulation, model building, and theory construction. The computer as teacher or tutor. Computing vs. thinking. Programs as theories.
- 414. SEMINAR IN RESEARCH METHODS (4).** Consideration of various types of research methods in Behavioral Science with reading and evaluation of appropriate statistical procedures and interpreting results. Development of a brief research proposal, including definition of problem and description of procedures. *Prerequisites: Psychology 230, Sociology 205, or the equivalent, and consent of instructor.*
- 416. SEMINAR IN SPECIAL TOPICS (4).** The analysis and study of a current topic in Behavioral Science. *Course may be repeated once for a total of 8 units.*
- 417. ATTITUDE CHANGE AND PERSUASION (4).** Examination and evaluation of the major theories of attitude formation and change as they relate to human behavior. Analysis of balance, theory, social judgment theory, cognitive-dissonance theory, inoculation theory, and attribution theory. Examination of research methods in attitude change.
- 420. CRITIQUE OF PROGRAMS AND PRACTICES (4).** Critical evaluation of operational programs and practices, with reference to the student's special interest field, as described in the literature and as studied in special field assignments. Development and analysis of evaluation criteria. *Prerequisites: Psychology 230 and 260, Sociology 205 and 255, or the equivalent, and consent of the instructor.*

- 422. THE DESIGN OF SOCIAL SYSTEMS (4).** A cross-disciplinary examination of the design of small scale social systems; their structure, functions, limitations, and the problems of control and coordination.
- 430. STUDIES IN HUMAN COMMUNICATION (4).** Reading and discussions concerning verbal and nonverbal communication. Critical review of the theories of Miller, Skinner, Shoft, Chomsky, and others. Discussion of psycholinguistics and the mechanisms whereby language influences and is influenced by individuals and societies.
- 431. ORGANIZATIONAL COMMUNICATION BEHAVIOR (4).** Analysis of communication systems, both formal and informal, in complex organizations. Emphasis upon communication in organizations as it relates to such topics as networks, change, human development, and organizational behavior.
- 434. SEMINAR IN BEHAVIORAL CONTROL (4).** A cross-disciplinary examination of the techniques and procedures of human behavioral control including literature in behavior modification, brain stimulation genetic engineering, drugs, advertising, environmental design, brainwashing, hypnosis, and interpersonal and group influences.
- 440. SEMINAR IN APPLIED BEHAVIORAL SCIENCE (4).** Selected applications of behavioral science to the schools, military, business, industry, and other institutions. Observations, field experiences, readings, and discussion related to topics such as leadership, industrial engineering, human factors, personnel selection and classification, social work and employment counseling, industrial sociology, and industrial anthropology.
- 442. MARRIAGE AND FAMILY EDUCATION (4).** An examination of theory, research, and practicum in the general areas of preparation for marriage, sex education, and the role of the child in the family.
- 443. SEMINAR IN MARRIAGE, FAMILY, AND CHILD COUNSELING (4).** A study of the history of marriage counseling, family therapy, crisis counseling, and the various approaches to marital conflict resolution including pre-marital and divorce counseling techniques and methods.
- 445. SEMINAR IN RETIREMENT PLANNING (4).** Study of techniques of advising pre-retirees and retirees about adjustment to retirement, including problems of changing personal and social relationships, financial planning, housing, government benefits, pensions, and estate planning. *Prerequisite: Graduate standing and consent of instructor.*
- 446. SEMINAR ON DEATH AND DYING: PERSPECTIVES FROM THE BEHAVIORAL SCIENCES (4).** Personal and social attitudes toward death, reactions of the terminally ill, grief, the funeral, effects of war and holocaust, implications of life-prolonging advances in technology from psychological, sociological and cross-cultural perspectives.
- 455. THEORIES OF GERONTOLOGY (4).** Functions, goals, and development of theory; discussion and critical examination of biological, psychological, and sociological theories of aging. *Prerequisites: At least one of the following: Sociology 255, Psychology 205, or Psychology 260; also at least one of the following: Sociology 229, Psychology 252, or Anthropology 244; and consent of instructor.*
- 460. LEGAL AND ETHICAL ASPECTS OF COUNSELING (4).** Consideration of legal and ethical aspects of marriage contracts, adoption, dissolution and separation, confidentiality and privileged communication, research, professional and client interaction, malpractice, court testimony by the professional and the release of information, and professional standards in advertising.

496. **BEHAVIORAL SCIENCE INTERNSHIP (4)**. Students will be directed to appropriate agencies and centers to work as interns within their chosen area of specialization. Regular (weekly) meetings will be scheduled with a faculty internship supervisor to assess student progress. Credit will be earned on the basis of 8 hours per week of internship, plus 2 hours per week of class meetings, providing 4 units of credit. *Prerequisite: Classified standing in Behavioral Science Graduate Program.*
497. **DIRECTED RESEARCH (2)***. Research in any area of Behavioral Science such as psychological, social, neurophysiological, or biochemical problems. *Choice of area with consent of advisor. Prerequisite: Classified standing and consent of instructor.*
498. **DIRECTED READING (2)***. In consultation with a faculty member assignment of a list of readings that may be used as background information for preparation for examinations; or, for orientation in a little known area; or, for reading in an area of special interest that may serve as an introduction to a future research proposal. *Prerequisites: Classified standing and consent of instructor.*
499. **THESIS (1-5)**. A thesis or special project. *Prerequisite: Advancement to candidacy and consent of instructor.*

Sociology

402. **GRADUATE WORKSHOP IN RESEARCH AND THEORY (4)**. Practicum in development of theory, research design, proposal writing, data collection and analysis, and report preparation. Entire experience is based on professional research projects conducted in the sociology research lab for the local community. The student is expected to assume responsibility for some portion of a current research project. *Two hours of lecture, six hours of laboratory per week. Prerequisites: Sociology 204 or 302 or equivalent.*
403. **SEMINAR IN ETHNOGRAPHIC ANALYSIS IN SOCIOLOGY (4)**. Ethnographic field work and analysis in Sociology. Theories and techniques of field observations and methods of analysis of observational data, including field notes, documents, and audio-visual records. Concentration on methods of doing sociology so as to extrapolate principles of social behavior from observation of on-going activities in organized settings. *Prerequisite: Sociology 405 and consent of instructor.*
405. **SEMINAR IN SOCIOLOGICAL METHODS (4)**. Advanced study of sociological research techniques and strategies. Consideration of research design and analysis as they relate to theory testing. *Prerequisites: Sociology 205 and an additional social science methods course (Option approved) and consent of instructor.*
408. **GRADUATE WORKSHOP IN SOCIAL IMPACT ASSESSMENT (4)**. Practicum in Social Impact Assessment research, including design and development of profiles, projections, evaluations and assessments. Development of skills for initiating and supervising Social Impact Assessment projects. Implementation of Social Impact Assessment research projects. *Prerequisite: Sociology 432 or consent of instructor.*
411. **SEMINAR IN SOCIAL ORGANIZATIONS (4)**. An examination of the basic forms of social organization in historical and comparative perspective. The basic social scientific conceptions of social organization will be compared and contrasted in terms of methodological and policy implications. *Prerequisite: Sociology 211 or equivalent, graduate standing and consent of instructor.*
412. **SEMINAR IN THE SOCIOLOGY OF URBAN CHANGE (4)**. Advanced study of contemporary urban change in relation to critical trends in society. Interaction of social, economic, demographic, and ecological factors shaping community life in

* Repeatable course.

the modern city. Reading and discussion of significant urban research and planning literature. *Prerequisite: Sociology 212 or equivalent, graduate standing and consent of instructor.*

- 416. SPECIAL TOPICS IN SOCIOLOGY (4).** A course designed to consider sociological analyses of a variety of special interest topics. The repeatable nature of the course makes it possible for students to work with more than one instructor on a topic of particular interest to the student. *Course may be repeated once for a total of 8 units. Prerequisite: Graduate standing and consent of instructor.*
- 418. SEMINAR IN MARRIAGE AND THE FAMILY (4).** A sociological examination of contemporary social issues and changes affecting marriage and family life in American society. Normative and alternative family and marital life styles will be explored. *Prerequisite: Sociology 218 or equivalent, graduate standing and consent of instructor.*
- 426. SEMINAR IN MEDICAL SOCIOLOGY (4).** Examination of the social psychological, organizational, and social structural aspects of health and illness. Review of sociological theory and research on health issues and medical institutions. Policy implications of medical sociology in the health field. *Prerequisite: Sociology 226 or equivalent, graduate standing and consent of instructor.*
- 429. SEMINAR IN SOCIAL GERONTOLOGY (4).** A detailed sociological discussion and presentation of theoretical and methodological issues and problems in the field of social gerontology. Field work will be conducted. *Prerequisites: Sociology 229 or equivalent, graduate standing and consent of instructor.*
- 430. SEMINAR IN SOCIAL CHANGE (4).** Theory and practice of social change. Theories of evolution and revolution. Functions of knowledge and action in social transformation. The role of social science in the formulation of social policy and planning and the use of evaluation and Social Impact research in the practice of social change. *Prerequisite: Graduate standing or consent of instructor.*
- 432. SEMINAR IN THE THEORY AND METHODS OF SOCIAL IMPACT ASSESSMENT (4).** Advanced study of theory and methods of Social Impact Assessment. The application of the philosophy of science and sociological theory to Social Impact Assessment, with special consideration to the methodological assumptions underlying the Social Impact Assessment research paradigm. The role of the assessor and assessment research in planning and policy implementation. Development of a research design for Social Impact Assessment project. *Prerequisite: Sociology 232 or equivalent, graduate standing, and consent of instructor.*
- 450. SEMINAR IN INTERACTION PROCESSES (4).** Experiences in both the theoretical and practical study of microsociology. Stress on the small group, with specific concern for problems such as communication, leadership, decision-making, gamesmanship, equilibrium, and change. Relevant research literature reviewed, and laboratory experiments in interaction processes conducted. *Prerequisite: Sociology 250 or equivalent, graduate standing, and consent of instructor.*
- 455. SEMINAR IN SOCIOLOGICAL THEORY (4).** A detailed examination of classical and contemporary literature and problems in sociological theory. *Prerequisites: Sociology 255, either 256 or 257, graduate standing and consent of instructor.*
- 460. SEMINAR IN THE SOCIOLOGY OF RACIAL AND ETHNIC RELATIONS (4).** A systematic inquiry into the experience of racial and ethnic minorities in the United States. Analysis of the sociological literature on interethnic relations, ethnic stratification and inequality. Implications for social policy. *Prerequisite: Sociology 260 or equivalent, graduate standing, and consent of instructor.*

- 461. SEMINAR IN AGING: MINORITIES AND SPECIAL GROUPS (4).** Analysis of the situation of the elderly within selected population groups including the Black aged, Mexican-American aged, the aging woman, and rural and urban poor aged. Community resources persons will be invited to participate.
- 465. SEMINAR IN DEVIANT BEHAVIOR (4).** Analysis and critique of theories and research concerned with behavior that deviates from prescribed rules of conduct, with emphasis on the general processes of interaction in every day social activities. Includes study of how normative order evolves, persists, and changes. *Prerequisite: Sociology 265 or equivalent, graduate standing, and consent of instructor.*
- 467. SEMINAR IN SOCIOLOGY OF LAW (4).** Examination of the social, political, and economic context in which legal rules emerge and legal systems function. Special emphasis on civil law, administrative law, and the emergence of private legal systems in modern society. *Prerequisite: Sociology 267 or equivalent, graduate standing, and consent of instructor.*
- 468. SEMINAR IN CRIMINOLOGY (4).** Analysis of specific issues in criminology. Issues that may be considered include the following: causative theories, major types of crime, formal crime control agencies, and prevention and control. *Prerequisite: Graduate standing and consent of instructor.*
- 469. SEMINAR IN JUVENILE DELINQUENCY (4).** Investigation of the causes, nature, and consequences of Juvenile Delinquency from a sociological perspective. Reading and discussion of theoretical studies and empirical research. *Prerequisite: Sociology 269 or equivalent, graduate standing, and consent of instructor.*
- 490. PRACTICUM IN TEACHING SOCIOLOGY (4).** Theoretical analysis and supervised experience in teaching sociology. Techniques and skills appropriate to instruction in Sociology at the college level. Instructional and evaluative experiences under supervision of sociology faculty. *Prerequisite: Classified graduate standing and consent of instructor.*

For directed Reading, Directed Research, and Thesis, see the Graduate Advisor.

Other

Economics

- 401. GENERAL ECONOMIC THEORY (4).** Price theory. Supply and demand and their application. Development of cost curves and their relationship to production. International trade. Macroeconomic income determination models and inflation. *Prerequisite: Graduate standing and consent of instructor.*

MASTER OF ARTS DEGREE IN BIOLOGICAL SCIENCE

(School of Natural Sciences and Mathematics)

Graduate Program Coordinator: Richard T. Kuramoto, Ph.D., Associate Professor

Professors: Harbans L. Arora, Ph.D.; David E. Brest, Ph.D.; Lois W. Chi, Ph.D.; Evelyn T. Childress, Ph.D.; Carol Guze, Ph.D.; Gene A. Kalland, Ph.D.

Associate Professors: Dallas V. Colvin, Ph.D.; Robert V. Giacosisie, Ph.D.; Francis D. McCarthy, Ph.D.; David J. Morafka, Ph.D.;

Assistant Professors: Laura Phillips, Ph.D.; Laura Robles, Ph.D.

The Master of Arts in Biological Science is planned as minimally a full-year, four-quarter program. In this program the student is required to complete a 14-unit graduate core and choose either a thesis or comprehensive examination program. Within this framework the student may either elect the area of special emphasis in Human Biology for which an intensive, in-depth offering of courses has been developed or may design, with an advisor, a more general program.

The emphasis in Human Biology offers a unique opportunity for the student who requires an overview of man's biological nature for use in the fields of public health, psychology, teaching, and research. It is also designed for the student who desires graduate-level study in preparation for professional training in medical, dental, or paramedical areas.

Admission to the Program

1. File with the Office of Admissions an application for admission (or readmission) with graduate standing and official transcripts of all previous college work.
2. A second set of transcripts to the Biology Graduate Program Coordinator.
3. Bachelor of Arts or Science degree from an accredited college or university.
4. Coursework equivalent to the CSUDH degree in Biological Science.
5. Grade point average of 2.75 or better in the last 90 quarter units (60 semester units) of college work attempted (not including extension units).
6. Completion of Graduate Record Examination (GRE). A student must have a combined score of 1500 in the verbal, quantitative, and analytical sections and rank 55th percentile or above in the advanced biology section.

Students deficient in coursework or grades may be admitted conditionally upon approval of the departmental graduate committee and favorable letters of recommendation from two former teachers.

Classification

1. Completion of any subject matter deficiencies.
2. Receipt of Graduate Record Examination (GRE) scores.
3. Selection of Graduate Advisor chosen from Faculty of Department of Biological Science.
4. Grade point average of 3.0 or better in courses taken after admission to graduate standing.

The student must submit an application for classified status by the second quarter in the program or when 20 units are completed, whichever comes first.

Advancement to Candidacy

1. Classified standing.
2. Completion of 24 units which must include all the required courses in the graduate program with the exception of Biology 490.
3. Grade point average of 3.0 or better in courses taken in graduate program.
4. Selection of a Thesis or examination committee.
5. Approval of a program of courses by the departmental graduate committee.
6. Approval by the student's graduate advisor.

The student must submit an application for candidacy.

REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN BIOLOGICAL SCIENCE

A total of 45 units are required for a Master's degree. At least 24 units must be graduate (400-level) courses.

1. Required courses (14 units):

Biological Science 301. Biostatistics (4)

Biological Science 401. Biological Literature and Instrumentation (2)

Biological Science 420. Advances in Cell and Molecular Biology (4)

Two sections of Biological Science 490. Graduate Seminar are required; no more than three sections may be applied to the Master's degree. (4)

2. Choose *one* of the following Programs of Study:

- a. Thesis Program

1. Select, with the approval of a graduate advisor, a minimum of 31 additional units from those applicable to the graduate degree, of which at least 14 units must be in graduate level courses.
2. Complete no less than 4 units of Biological Science 499, Thesis nor more than 9 units of Biological Science 496, 498 and 499 combined; these may count toward the 14 units in (1) above.
3. Complete a Thesis.
4. Pass a final oral examination based on the Thesis.

- b. Comprehensive Exam Program

1. Select, with the approval of a graduate advisor, a minimum of 31 additional units from those applicable to the graduate degree of which at least 14 units must be in graduate level courses and no more than 5 units may be Biological Science 496 and 498 combined.
2. Pass a written comprehensive exam based on the program of study.

Courses acceptable for Graduate Elective credit:

1. Graduate (400-level) courses in Biological Science.
2. Upper division (300-level) courses in Biological Science.
3. Those courses listed below:
 - Anthropology 360. Human Evolution (4)
 - Anthropology 362. Primate Social Behavior (4)
 - Chemistry 220. Physical Chemistry I (4)
 - Chemistry 250. Biochemistry I (5)
 - Chemistry 252. Biochemistry II (5)
 - Chemistry 272. Marine Chemistry (4)
 - Chemistry 354. Biochemistry III (3)
 - Chemistry 355. Biochemistry Laboratory (2)

COURSE OFFERINGS

Classified graduate standing or consent of the biology graduate program coordinator is prerequisite to enrollment in the following courses:

- 401. BIOLOGICAL LITERATURE AND INSTRUMENTATION (2).** The biological literature, bibliographic materials, and library skills useful in graduate work. Introduction to uses and applications of instruments, equipment, and facilities available which may be used in graduate research. *One hour of lecture, three hours of laboratory per week.* F(e)
- 410. SYSTEMATIC AND EVOLUTIONARY BIOLOGY (3).** Current concepts in systematics and evolution including the application of modern analytical techniques to the study of evolution. *Prerequisite: Classified Graduate standing.*
- 420. ADVANCES IN CELL AND MOLECULAR BIOLOGY (4).** Current developments in the structure and function of viruses, prokaryotic cells, and eukaryotic cells. *Prerequisite: Biological Science 321.*
- 423. ELECTRON MICROSCOPY (4).** Theory and use of the electron microscope, preparation of tissue and photographic techniques. Two hours of lecture, six hours of laboratory per week. *Prerequisite: Biological Science 323.*
- 430. ADVANCES IN ENVIRONMENTAL BIOLOGY (3).** Current advances in the area of environmental biology with emphasis on recent theories and new analytical techniques. *Prerequisite: Biological Science 232.*
- 440. ADVANCES IN DEVELOPMENTAL GENETICS (3).** Current advances in the area of developmental genetics with emphasis on the genetic control of differentiation. *Prerequisite: Biological Science 214, 221 and 240.*
- 442. ADVANCES IN HUMAN GENETICS (3).** Current topics and problems in human genetics including advanced studies in the medical genetics of inherited biochemical diseases and chromosomal aberrations. *Prerequisite: Biological Science 342.*
- 450. EXPERIMENTAL PARASITOLOGY (4).** Experimental approach to the study of parasitism; physiological and genetic aspects of host-parasite interaction; methods of biological and chemical control. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 358 or consent of instructor.*
- 470. ADVANCES IN HUMAN NEUROBIOLOGY AND BEHAVIOR (3).** Recent advances in human neurobiology as it relates to behavior. *Prerequisite: Biological Science 383.*

- 480. HUMAN DEVELOPMENT AND AGING (4).** Current concepts and issues in the biology of development and aging. Emphasis on changes and control mechanisms at the molecular, cellular, and tissue levels; cell senescence. *Prerequisite: Biological Science 383.*
- 490. GRADUATE SEMINAR (2)*.** Presentation and discussion of selected topics in Biological science. A maximum of 6 units may be applied towards the master's degree. *Prerequisite: Graduate standing and consent of instructor.*
- 495. GRADUATE SELECTED TOPICS IN BIOLOGY (2-4)*.** Advanced course which may include laboratory exercises. *Prerequisite: Consent of instructor.*
- 496. DIRECTED READING (1-4)*.** Library research on a specific subject in biology. Topic for study to be approved and directed by instructor. Can be used to formulate a research problem prior to enrollment in Biological Science 498 or Biological Science 499. A maximum of 4 units may be applied toward the master's degree. *Prerequisite: Graduate standing and consent of instructor.*
- 498. DIRECTED RESEARCH (1-4)*.** Laboratory research on a specific subject in biology. Topic of research to be approved and directed by instructor. A maximum of 4 units may be applied toward the master's degree. *Prerequisite: Graduate standing and consent of instructor.*
- 499. THESIS (1-6)*.** Laboratory research and writing of thesis for the master's degree. Topic of research to be approved by graduate advisor. A minimum of 4 units are required for the thesis program. A maximum of 9 units of Biological Science 496, 498 and 499 combined may be applied toward the master's degree. *Prerequisite: Classified graduate standing.*

* Repeatable course.

MASTER OF BUSINESS ADMINISTRATION

(School of Management)

Program Coordinator: Jack William Kitson, Ph.D.

The Master of Business Administration (M.B.A.) program is designed to meet the professional needs of recent college graduates who plan careers in business, as well as of persons already employed who desire to extend their understanding of business and potential for career advancement. The program is offered for full-time students, and on a part-time basis for the fully employed person. All classes meet one evening per week. Students may complete all course requirements by attending classes scheduled at either on- or off-campus locations in the greater Los Angeles area. While the on-campus MBA program is a state support program, the off-campus program is supported through tuition. For specific information concerning the off-campus program, please contact Dr. Jess Overall at 515-3351.

ADMISSION AND CLASSIFICATION

All applicants to the MBA program must submit a completed application for admission to graduate standing at the California State University Dominguez Hills and two copies of all transcripts of all previous college level work, in accordance with the procedures outlined in the Admissions section of the University catalog.

Students who meet all the requirements for admission to the MBA program will be granted classified standing; those who enroll prior to fulfilling all the requirements may be admitted to conditionally classified standing. Students granted conditional classification will be required to remedy all admission deficiencies before they can register for a second quarter. Failure to do so will result in disqualification from the program.

MBA ADMISSION REQUIREMENTS

1. A bachelor's degree from a fully accredited college or university.
2. Good standing at the last institution attended.
3. A minimum score of 550 on the Test of English as a Foreign Language (TOEFL) required only of students who have received all, or a significant portion, of their education in a non-English speaking country.
4. A satisfactory undergraduate grade-point average (GPA) and Graduate Management Admissions Test (GMAT) score.

Graduate students will be admitted to the MBA program based on a widely-used formula approved by the American Assembly of Collegiate Schools of Business (AACSB). The formula is based on a minimum total of at least 1000 points, computed as follows:

$$GMAT \text{ score plus } (200 \times \text{upper division GPA})$$

Regardless of the number of points earned on the basis of the formula, a minimum score of 425 on GMAT is required of all applicants.

Applicants who do not hold a bachelors degree from an accredited college of university, but who have completed the Dominguez Hills Portal Certificate Program, offered jointly by the School of Management and the Division of Community Programs, will be admitted, provided they meet requirements 2, 3, and 4 as listed above. (Information

describing the Portal Certificate is available from the Programs in Administration Office.)

While applicants are strongly encouraged to submit GMAT scores with their application to the MBA Program, those who are unable to do so may be conditionally admitted for one quarter only providing they have an upper division grade point average of 2.75 or better. Such persons must submit an acceptable GMAT score before they can register for a second quarter.

POST BACCALAUREATE STUDENTS: UNDECLARED MAJOR

Students admitted to post-baccalaureate standing at the University may enroll in no more than 12 units of Phase I courses. Such students must meet the GMAT score requirement for classified standing in the MBA program before registering for any additional MBA courses.

ON- AND OFF-CAMPUS PROGRAMS:

As noted, the School offers the MBA program both on the campus as well as at off-campus locations. At the time application is made to the MBA program, applicants must indicate whether they wish to enroll in the on- or off-campus program. In the on-campus program, students proceed at their own pace, selecting one or more courses per quarter. In the off-campus program, where tuition is charged, a predetermined sequence of two or more courses per quarter is followed with the same group of classmates.

REQUIREMENTS FOR THE MASTER OF BUSINESS ADMINISTRATION DEGREE

The course of study leading to the MBA is divided into two phases. Phase I is designed to provide the necessary background for students who do not have an undergraduate major in business administration. Phase II consists of advanced coursework relating to the functional development, implementation, and evaluation of managerial strategies. Students with a baccalaureate in Business Administration from an accredited college or university will be admitted immediately to Phase II. All other students will have their records evaluated on an individual basis, and credit will be granted for equivalent Phase I work satisfactorily completed at other colleges and universities. All students must complete a minimum of 45 units in Phase II.

PHASE I (32 units)

- | | |
|--------------------------------|--|
| Business Administration 400. | Legal and Social Aspects of Business (4) |
| Business Administration 410. | Management Theory (4) |
| + Business Administration 421. | Quantitative Methods I (4) |
| Business Administration 431. | Principles of Accounting (4) |
| Business Administration 451. | Marketing Systems (4) |
| + Business Administration 461. | Financial Management (4) |
| Business Administration 471. | Introduction to Information Systems (4) |
| Economics 401. | General Economic Theory (4) |

+ Consult course description for prerequisite.

PHASE II (45-48 units)*Required* (32 units)

- + Business Administration 413. Foundations of Human Behavior in Organizations (4)
- + Business Administration 423. Quantitative Methods II (4)
- + Business Administration 433. Managerial Accounting (4)
- + Business Administration 443. Production Operations (4)
- + Business Administration 452. Marketing Management (4)
- + Business Administration 463. Financial Decision Analysis (4)
- + Business Administration 483. Managerial Economics (4)
- + Business Administration 493. Seminar in Business Policy (4)

Elective (13-16 units)

- + Business Administration 415. Seminar in Multinational Business (4)
- + Business Administration 416. Seminar in Management (4)
- + Business Administration 417. Seminar in Industrial Relations (4)
- + Business Administration 419. Human Resources Administration (4)
- + Business Administration 435. Selected Topics in Accounting (4)
- + Business Administration 465. Seminar in Finance (4)
- + Business Administration 475. Management Information Systems and Data Base Concepts (4)
- + Business Administration 487. Seminar in Business Forecasting (4)
- + Business Administration 495. Directed Study (1-4)

CREDIT FOR COURSE WORK AT OTHER INSTITUTIONS

Credit without limit for courses satisfactorily completed elsewhere may be granted toward fulfillment of Phase I requirements. Satisfactory completion is defined as completion of an undergraduate course with a grade of "C" or better and of a graduate course with a grade of "B" or better from an institution whose credits are accepted by the Admissions Office for transfer credit. Students who feel they have mastered the content of Phase I courses but do not meet the above criteria may receive credit for such courses, again without limit, through the credit by examination procedure described in the University catalog.

Transfer credit for Phase II course requirements is limited to 12 quarter units (or 8 semester units). Satisfactory completion is as defined above.

SCHOLARSHIP STANDARDS AND GRADING

A grade point average of 3.0 or better in all courses taken to satisfy the requirements for the degree is required. A student will be placed on probation if in any quarter he or she fails to earn a grade point average of 3.0 or higher for the work taken through that quarter. During the subsequent probationary quarter the student must achieve a grade point average sufficiently high to bring his or her cumulative grade point average to 3.0 or better. Failure to do so will result in dismissal from the program.

Any student receiving a grade of "C" or lower during any quarter must meet with the MBA Coordinator as soon as grade reports are issued.

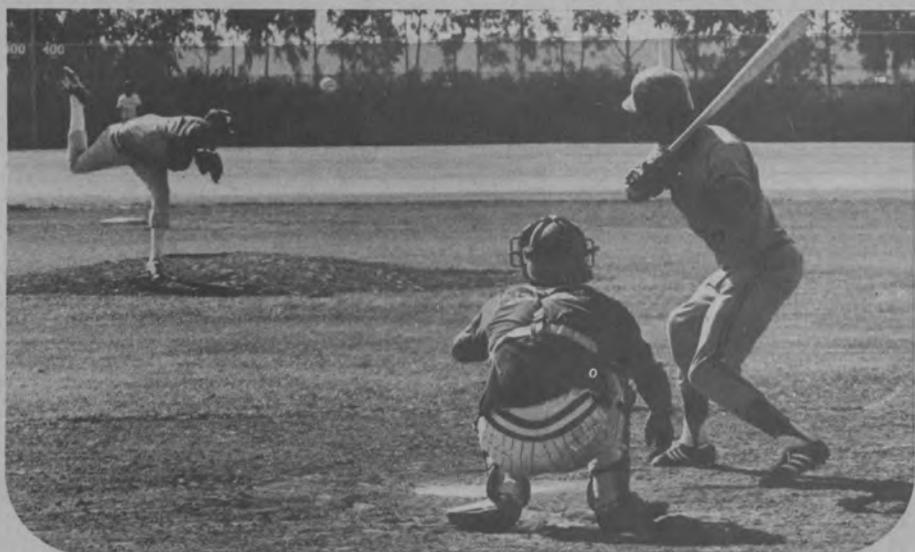
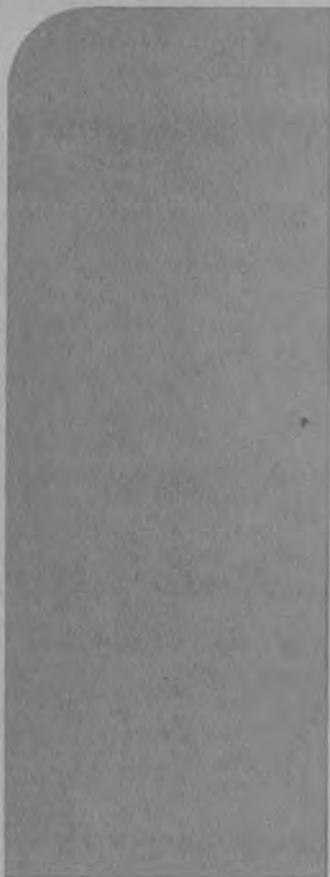
+ Consult course description for prerequisite.

COURSE OFFERINGS

- 400. LEGAL AND SOCIAL ASPECTS OF BUSINESS (4).** A review of historical and current legal issues concerning government regulation of business; major laws regulating business; the role of business in society; forces in society shaping the regulation of business.
- 410. MANAGEMENT THEORY (4).** Conceptual foundations of the managerial function, organization, and structure.
- 413. FOUNDATIONS OF HUMAN BEHAVIOR IN ORGANIZATIONS (4).** Behavioral correlates of organizations; individual, group, and cultural behavior in relation to the organizational environment and functional fields of administration. *Prerequisite: Business Administration 410 or equivalent.*
- 415. SEMINAR IN MULTINATIONAL BUSINESS (4).** Analysis of multinational corporations and their environment with emphasis on market structure, cost factors, and international resource allocation within the firm. *Prerequisite: Completion of Phase I.*
- 416. SEMINAR IN MANAGEMENT (4).** Selected topics in management; review of recent literature. *Prerequisite: Business Administration 413.*
- 417. SEMINAR IN INDUSTRIAL RELATIONS (4).** Topics related to employee-employer relationships; selection and testing, training, wages and salary administration, staff personnel functions, collective bargaining. *Prerequisite: Business Administration 413.*
- 419. HUMAN RESOURCES ADMINISTRATION (4).** Current processes and practices in organizations concerning the utilization of human resources, including manpower planning, staffing, salary administration, job satisfaction, and job design. *Prerequisite: Business Administration 413.*
- 421. QUANTITATIVE METHODS I (4).** Measures of central tendency and dispersion, frequency distributions, sampling theory, statistical inference, linear regression and analysis of variance and their application to forecasting, simulation and quality control. *Prerequisite: Mathematics 102 or equivalent.*
- 423. QUANTITATIVE METHODS II (4).** Mathematical and statistical techniques used in business decisions and operations, particularly the application of Bayesian analysis; uses of set theory, linear programming, inventory control models, simulation, queueing, modeling, and decision analysis. *Prerequisite: Business Administration 421 or equivalent.*
- 431. PRINCIPLES OF ACCOUNTING (4).** An introduction to accounting theory and practice, including the recording, analyzing, and summarizing procedures used in preparing balance sheets and operating statements.
- 433. MANAGERIAL ACCOUNTING (4).** Management accounting theory and methods; formulation and analysis of management reports; internal control; planning and budgeting; cost-volume-profit analysis; elements of cost accounting; price level accounting; learning curves; and capital budgeting. *Prerequisite: Business Administration 431 or equivalent.*
- 435. SELECTED TOPICS IN ACCOUNTING (4).** An analysis of advanced topics and current applications and issues in managerial and financial accounting. *Prerequisite: Business Administration 433.*
- 443. PRODUCTION OPERATIONS (4).** Management of production operations; project management; resource scheduling; cost analysis; production line balancing; layout of physical facilities; work measurement; and quality control. *Prerequisite: Business Administration 421 or equivalent.*

451. **MARKETING SYSTEMS (4)**. Analysis of marketing organizations and functions; development of analytical and operational skills in decisions relating to products, pricing, promotion, channel selection, and marketing research.
452. **MARKETING MANAGEMENT (4)**. Strategies and techniques of marketing management; emphasis on decision-making techniques as applied to product, design, distribution, pricing, and promotion; analysis of current marketing issues; international dimensions. Emphasis on the case method. *Prerequisite: Business Administration 451 or equivalent.*
461. **FINANCIAL MANAGEMENT (4)**. Ratio analysis, project planning, forecasting of long and short-term capital requirements, capital budgeting, internal financing, capital structure, and cost of capital. *Prerequisite: Business Administration 431.*
463. **FINANCIAL DECISION ANALYSIS (4)**. Application of financial theories and practice to decision-making through the use of cases, problems, and readings. *Prerequisite: Business Administration 461 or equivalent.*
465. **SEMINAR IN FINANCE (4)**. Selected topics in financial decision-making; policy level decision-making requiring integration of financial and operational activities. *Prerequisite: Business Administration 463.*
471. **INTRODUCTION TO INFORMATION SYSTEMS (4)**. A survey of information systems; computer systems, programming concepts, systems analysis, decision systems and integrated systems.
475. **MANAGEMENT INFORMATION SYSTEMS AND DATA BASE CONCEPTS (4)**. The effect of information systems on the management of an organization. The use of data base systems for information management. *Prerequisite: Business Administration 471.*
478. **HEALTH INFORMATION SYSTEMS (4)**. The role and characteristics of health information systems processing of records; analysis of medical care data; formulation of objectives; questionnaire design and data collection techniques; modern data storage and retrieval concepts; medical care statistics. *Prerequisite: Health Science 200 or equivalent academic and/or work experience.*
483. **MANAGERIAL ECONOMICS (4)**. Application of economic analysis to business decision-making in areas such as demand, cost, production and pricing; optimal resource allocation; market structure, behavior, and performance. *Prerequisites: Business Administration 421 and Economics 401.*
487. **SEMINAR IN BUSINESS FORECASTING (4)**. Application of quantitative and naive models, opportunistic forecasts and survey methods to forecasting and financial planning; evaluations of alternative forecasting techniques. *Prerequisites: Business Administration 421 and Economics 401.*
493. **SEMINAR IN BUSINESS POLICY (4)**. Administration of the firm from the viewpoint of top management; use of case method or participation in a business game. Course requires student to integrate various functional fields, thereby serving the purpose of a comprehensive examination. *Prerequisite: Completion of all other Phase II core courses or consent of instructor.*
495. **DIRECTED STUDY (1-4)***. Independent research or other study under the direction of a member of the Business Administration faculty. *Prerequisite: Consent of instructor.*

* Repeatable course.



EDUCATION

CURRICULUM AND TEACHER PREPARATION

(School of Education)

Chairperson: Deanna S. Hanson, Ed.D., Associate Professor:

Professors: Muriel P. Carrison, Ed.D.; Peter D. Ellis, Ed.D.; R. H. Ringis, Ed.D.;
Ruth Larson, Ph.D.; George R. Walker, Ed.D.

Associate Professors: James L. Cooper, Ph.D.; Jolson Ng, Ed.D.; Mimi Warshaw,
Ed.D.

Assistant Professors: Charmayne Bohman, Ph.D.; Dru Ann Gutierrez, M.S.

A list of Cooperating Instructors is found on p. 478.

BASIC TEACHING CREDENTIAL PROGRAMS

California State University Dominguez Hills offers two basic teaching credentials, which are accredited by the National Council for Accreditation of Teacher Education and the California Commission for Teacher Preparation and Licensing.

MULTIPLE SUBJECT CREDENTIAL: allows credential holder to teach in any self-contained classroom where a variety of subject areas is taught (usually grades K-6).

The following chart shows the sequence required for the Multiple Subject credential:

Preliminary Credential

1. B.A. degree with Liberal Studies major
or
B.A. degree with passing score on N.T.E. Commons Examinations
2. Prerequisite courses in professional education:
 - Education 705 (2 units)
 - Education 210 (4 units)
 - Education 230 (6 units)
3. Field-site student teaching sequence (24 units total)

<i>Fall quarter</i>	<i>Winter quarter</i>	<i>Spring quarter</i>
Education 745	Education 755	Education 765
Education 746	Education 756	Education 766
Education 747	Education 757	Education 767

Clear Credential (Must be completed within five years after granting of preliminary credential)

1. All requirements for the Preliminary Credential
2. Education 239 (4 units)
3. Health 220 (4 units)
4. English 250 (*may be challenged*)
5. "Mainstreaming" requirement (6 units)
6. Additional courses selected upon advisement, if needed, to complete a total of 186 undergraduate units and 45 post-baccalaureate units.

SINGLE SUBJECT CREDENTIAL: allows credential holder to teach in his/her authorized *subject area field or fields* at any grade level (Usually grades 7–12). The following single subject waiver programs are offered:

Art	Mathematics
English	Music
Literature Option	Physical Education
Linguistics Option	Physical Science
Theatre Arts Option	*Social Science
Journalism Option	Anthropology Concentration
Foreign Language	Economics Concentration
French	Geography Concentration
Spanish	History Concentration
*Government	Political Science Concentration
*History	Psychology Concentration
Life Science	Sociology Concentration

The following chart shows the sequence required for the Single Subject Credential:

Preliminary Credential

1. B.A. degree with academic major and approved Single Subject waiver program in authorized subject area
or
B.A. degree with academic major and passing score on N.T.E. Area Examination.
2. Prerequisite courses in professional education:
 - Education 705 (2 units)
 - Education 210 (4 units)
 - Education 230 (6 units)
3. Field-site student teaching sequence (24 unit total)

<i>Fall quarter</i>	<i>Winter quarter</i>	<i>Spring quarter</i>
Education 775	Education 785	Education 795
Education 776	Education 786	Education 796
Education 777	Education 787	Education 797

Clear Credential (Must be completed within five years after granting of preliminary credential)

1. All requirements for the Preliminary Credential
2. Education 239 (4 units)
3. Health 220 (4 units)
4. English 250 (*may be challenged*)
5. "Mainstreaming" requirement (6 units)
6. Additional courses selected upon advisement, if needed, to complete a total of 186 undergraduate units and 45 post-baccalaureate units.

NOTE: An alternative to fulfilling the requirements for the Liberal Studies Major or Single Subject Major is to pass the appropriate form of the National Teachers Examination. Information pertaining to the NTE is available at the Center for Skills and Assessment.

* Students with an academic major in history or political science are strongly urged to meet requirements for the *social science* waiver program rather than the history or government waiver program because this credential is preferred by school districts since it offers more flexibility.

Admission

Admission to School of Education basic credential programs is not automatic with admission to the university. Application must be made directly to the School of Education office. Cut-off date for submission of application forms, transcripts, and references is March 1st preceding the Fall Quarter, or November 1st preceding the Winter Quarter, in which a student plans to enter the field-site student teacher phase.

NOTE: Quotas on the number of students accepted into the credential programs are established consistent with faculty resources available. Therefore, all students must be accepted by the Teacher Education Committee prior to beginning the field-site, student teaching experience. Selection into the credential program is based on a combination of factors including GPA, interview ratings by faculty, and letters of recommendation. A minimum GPA of 2.5 in the last 90 units is generally required.

Field-Centered Student Teaching Sequence

Upon completion of prerequisite courses and admission to the credential program, a student is ready to begin the three-quarter student teaching sequence beginning in the quarter following acceptance into the program.

The School of Education conducts a field-centered, performance-based student teaching experience. The field-centered aspect of the program means that the greater portion of the candidate's training year will consist of instruction, application of instruction, and student teaching within a school district setting. Performance-based means that specific minimal teaching skills are identified which are directly taught and evaluated. Teachers and administrators from local districts work cooperatively with university personnel and students to identify a minimal set of specific teaching skills considered to be important to all teachers. This program is developed, carried out and evaluated in cooperation with the personnel of several local elementary and secondary school district sites. Student teachers are placed only in selected field site schools. Requests for placement in schools that are not participants in our program cannot be accepted.

Organization of Field-Site Experience

Each student is placed in a specific field site (school district). Each field site has one full-time university faculty coordinator who is available for counseling, advising, and evaluation.

Field-site experiences vary somewhat depending on whether the student is involved in a single subject or multiple subject program. There are, however, certain elements common to both. The field-site program's instructional model centers around the concept of "progressive increase of involvement." Using this concept the student progresses through a series of modular instruction-application sequences. Care is taken to assure continuity among the instruction, application of the instruction, and ongoing requirements of the specific classroom in which the student is assigned. This model of instruction requires time for seminars, assignments, self-study, workshops, and classroom observation as well as extensive student-teaching.

Teaching Experiences

All Multiple Subject field sites have grades kindergarten through six. Every effort is made to provide observation and teaching experience with multicultural students in at least two grade levels and two school settings.

All Single Subject field sites have grades seven through twelve. Every effort is made to provide observation and teaching experience with multicultural students in at least two grade levels and two school settings.

MULTIPLE SUBJECT CREDENTIAL WITH BILINGUAL EMPHASIS

Applicants accepted for the multiple subject credential program who can pass a Spanish language competency test are eligible for the bilingual student teaching program. This program essentially follows the above program with the exception that student teachers receive special training and experience in working with Spanish speaking students. For further information, contact Dr. Deanna Hanson (HFA C-306).

Children's Center Permit

Courses required for a Children's Center Permit are available upon advisement.

DESIGNATED SUBJECT TEACHING CREDENTIAL (Adult Education)

The Designated Subject Credential Program (Adult Education) is a competency-based program consisting of two parts: subject-matter proficiency and teacher preparation in adult education. To be eligible for a clear credential, a candidate must have appropriate qualifying experience or coursework to verify subject proficiency, complete a minimum of 14 quarter units in adult education teacher preparation, and verify completion of a course or examination on the Constitution of the United States.

Subject Matter Proficiency

1. Academic Subjects, e.g., history botany, geometry; Bachelor's degree with major in or related to the teaching field.
2. Non-Academic Subjects, e.g., woodcarving, ceramics, sewing, secretarial subjects; Bachelor's degree, and 12 semester units in subject to be taught, *or* high school diploma and five years of work experience related to the subject to be taught, *or* an appropriate combination of coursework and work experience

Teacher Preparation in Adult Education: 14 quarter units of required coursework, including the following:

- Education 301. Principles of Adult Education (4)
- Education 302. Methods and Materials of Adult Education (4)
- Education 303. Counseling and Guidance for Teachers of Adult Education (4)
- Education 304. Supervised Field Experience (2)

Admission Requirements

1. Apply to the university for admission; (with one set of transcripts).
2. Submit to the Department of Curriculum and Teacher Preparation the following:
 - A. D.S.T.C. Application Form
 - B. High School diploma or college transcripts
 - C. Two letters of recommendation
 - D. Evidence of work experience (See Table of Qualifying Experience) if you do not have a B.A. degree including a minimum of 12 semester hours of coursework in the subject to be taught.
3. Make an appointment with program coordinator for an initial interview. All students must have an interview during which their Personalized-In-Service Training Program shall be established as part of their formal admission to the Designated Subject Credential Program.

SPECIALIST/SERVICES CREDENTIALS

CSUDH offers specialist credentials in: a) bilingual/cross-cultural education; b) early childhood education; c) reading, and d) special education, as well as services credentials in pupil personnel and administrative services.

Admission Requirements for all Specialist/Services Credentials

Services/specialist credential candidates must possess a valid California teaching credential or be enrolled in the third quarter of the Teacher Education Program at CSUDH. Each applicant must file the appropriate application with the Department of Professional Studies and also apply to the university for admission. *Note: Each services/specialist credential may be a part of a Master of Arts Degree or may be accomplished for the credential alone.*

Transcripts of all college work must be filed with the application. A grade point average of 2.75 is normally considered the minimum acceptable grade point average. However, should an applicant fail to meet this requirement, the School of Education *may* waive the grade point average requirement if the candidate indicates potential for academic achievement, e.g., performance on a specified test. Specific additional admission requirements for each services/specialist credential are found on the application for each program.

ADMINISTRATIVE SERVICES CREDENTIAL

This interdisciplinary program is designed to prepare educators for leadership positions in elementary and secondary schools. Competencies necessary for productive functioning in school administration have been specified and assigned to the courses listed below. Students are required to complete 41 quarter units, including a 9-unit internship.

Prerequisites:

- Three years experience in teaching or pupil personnel services.
- Education 210. Motivation and Learning (4)
- English 252. Writing and Speaking Skills for Management (4)

Required Courses:

- Education 402. Educational Research and Evaluation in Administration (4)
- Education 420. The Process of Curriculum Development (4)
- Education 484. Seminar: Urban Education (4)
- Education 485. School Administration: Principles and Processes (4)
- Education 489. Internship in School Administration and Supervision (9)
- Public Administration 401. Theory and Practice of Public Management (4)
- Public Administration 424. Seminar: Personnel Management (4)
- Sociology 450. Seminar in Interaction Processes (4)
plus "mainstreaming" requirement (4)

**BILINGUAL/CROSS-CULTURAL SPECIALIST
CREDENTIAL (MEXICAN AMERICAN)**

The goal of this program is to meet professional development needs of teachers and student teachers whose career objectives require competence in the area of bilingual/bicultural instruction. The program includes teacher preparation in three areas: bilingual/cross-cultural teaching methodology, language and linguistics, and culture of the dominant and target population.

The candidate must demonstrate Spanish language competency (oral, aural, and written). The professional preparation courses for achieving competencies in Mexican American culture and bilingual teaching may be from the courses listed below. Individualized programs of study will be determined by the candidate and his/her advisor.

- Education 322. Education of the Mexican American (4)
- Education 425. Bilingual Teaching Strategies and Bilingual Teaching Techniques (4)
- Education 426. Teaching Reading and Literacy in Spanish K-6 (4)
- Education 427. Seminar in Mexican American Education (4)
- Education 428. Curriculum Development for the Bilingual Classroom (4)
- Education 430. The Teaching of English as a Second Language (4)
- Mexican American Studies 200. Introduction to Mexican American Studies (4)
- Mexican American Studies 297. Research Methods in the Chicano Community (4)
- Spanish 150. Folklorico and Teatro Workshops (2)
- Spanish 200. Teaching School Subject Matter in Spanish (4)
- Spanish 210. The Study of Language (4)
- Spanish 211. The Structure of Spanish (4)
- Spanish 214. Spanish Phonology (4)
- Spanish 235. A Sociolinguistic Approach to Mexican American Dialect and Reading (4)
- Spanish 251. Contemporary Hispanic Culture: Spanish-Speaking America (4)

Candidates having achieved competence in some or all of the above courses may validate competence through enrollment in Education 495, Specialist Credential Assessment Seminar (Mexican American) (4), and the appropriate courses will be waived.

- Education 490. Internship in Mexican American Bilingual/Cross-Cultural Administration and Curriculum (9) will be required of all candidates.

EARLY CHILDHOOD EDUCATION SPECIALIST CREDENTIAL

This credential has the same requirements as the M.A. degree in Education with an option in early childhood education, except that both Education 478 and 479 are required. In addition, the student must demonstrate competency in the teaching of reading, math, music, art, drama, and movement through enrollment in an appropriate section of Education 495. (Courses required for a Children's Center Permit are available upon advisement.)

PUPIL PERSONNEL SERVICES CREDENTIAL

This credential has the same requirements as the M.A. degree in Education with an option in pupil personnel services, except electives are not needed and no comprehensive examination or thesis is required.

READING SPECIALIST CREDENTIAL

This credential is designed to prepare teachers to become specialists in Reading. The program is entirely performance-based with much of the work being accomplished on-site. Provisions are made to enable teachers to fulfill requirements in their own classrooms.

Skills

Students completing the program will have mastered skills in:

- Diagnosing Reading Problems
- Remediating Reading Problems
- Providing Instruction for Minority Students
- Administering In-Service Training
- Interpreting and Conducting Reading Research
- Selecting Children's Literature

Core Courses

- Education 431. Seminar in Reading: Diagnosis and Remediation (4)
- Education 432. Practicum in Diagnosis and Remediation of Reading Problems (4) (must be taken two times)
- (Note: Education 414. Seminar in Education: Language Arts (4) may be taken in place of a second section of Education 432.)*
- Education 433. Advanced Seminar in Reading. (4)
- Education 434. Research In Reading Education (4)
- Education 440. Children's Literature (4)
- English 217. Sociolinguistics: Black English and Reading (4) *or*
- Spanish 235. A sociolinguistic Approach to Mexican American Dialect and Reading (4)

(Continued on the following page)

Electives

Two electives from the list below must be taken by all candidates. These electives are to be selected by the student after conferring with his/her advisor.

- Education 322. Education of the Mexican American (4)
- Education 326. Introduction to Exceptional Children (4)
- Education 422. Curriculum Development for Early Childhood Education (4)
- Education 430. The Teaching of English As A Second Language (4)
- Education 450. Education and Human Development (4)
- Education 468. Diagnosis and Prescription for the Learning Handicapped (4)
- Education 469. Practicum: Curriculum Development for the Learning Handicapped (4)
- Mexican American Studies 200. Introduction to Mexican American Studies (4)
- Spanish 211. The Structure of Spanish (4)

SPECIALIST CREDENTIAL IN SPECIAL EDUCATION

Course work for the Specialist Credential in Special Education is the same as that for the Master of Arts in Special Education, *with the exception that* no comprehensive examination or thesis is required.

(Course offerings in Education begin on page 414.)

EDUCATION

PROFESSIONAL STUDIES

(School of Education)

Chairperson: Edith B. Buchanan, Ed.D., Professor

Professors: Milagros R. Aquino, Ed.D.; Ingeborg Assmann, Ph.D.; Hyman C. Goldman, Ed.D.; Judson H. Taylor, Ph.D.

Associate Professors: Jack T. Belasco, Ed.D.; Robert L. Calatrello, Ed.D.; Peter Desberg, Ph.D.; Doris Okada, Ph.D.; Karlton D. Skindrud, Ph.D.; Torcy Wiley, Ed.D.

Assistant Professors: Silvia Gonzalez, M.A.; Marjorie Holden, Ph.D.

MASTER OF ARTS IN EDUCATION

The Master of Arts in Education is planned as a full year, four-quarter program. The degree offers three major options:

Option in Curriculum

Option in Early Childhood Education

Option in Pupil Personnel

Specialist credentials may be completed concurrently with the master's degree in reading, bilingual/cross-cultural education, and early childhood education. Services credentials in Administrative Services and Pupil Personnel may be completed concurrently with the master's degree.

The program is of value to experienced educators who wish to increase their competencies by pursuing an organized program of graduate study, to researchers in the areas of interest represented in the program, and to potential candidates for advanced graduate degrees in Education.

Students seeking admission to the graduate program leading to the Master of Arts in Education should confer with the Chairperson of Professional Studies Department in the School of Education before taking courses. Specific information is outlined in a brochure that may be obtained in the School of Education Professional Studies Office.

Admission Requirements

To be admitted with a master's degree objective, the applicant must possess:

1. A bachelor's degree from an accredited college or university;
2. A 2.75 or higher grade point average in the last 90 quarter units of college work completed (not including extension units). A Miller Analogies score of 40 or better is acceptable in lieu of a GPA of 2.75.

Students who do not meet the admission requirements specified above may petition the Graduate Studies Committee.

Admission Classifications

Students may apply for classified status upon completion of 16 units of specified coursework with no grade less than B. See page 401 for details of admission classifications.

Transfer of Coursework *

- A. A maximum of 13 quarter units of approved credit may be transferred from an accredited college or university. The work must have been completed as a graduate student (this does not include student teaching). Extension courses may apply if the transcript or catalog clearly indicates that the course would have applied toward a graduate degree at the sponsoring institution. Extension courses at the graduate level (400-level series) may apply. No more than 13 quarter units of extension courses are acceptable. Transfer credit is subject to evaluation and advisor approval.
- B. A maximum of 12 quarter units of approved upper division coursework.

MASTER OF ARTS IN EDUCATION**REQUIREMENTS FOR THE MASTER OF ARTS
DEGREE IN EDUCATION****With an Option in Curriculum**

The Curriculum Option is designed to prepare educators for positions of creative leadership. Opportunities for emphases in the content areas of bilingual/cross-cultural education; elementary curriculum; instructional technology, program development and evaluation; multicultural populations, reading, and an individualized program exist in the choice of flexible course offerings and electives. A faculty advisor will assist the student in planning a course of study designed to fit the graduate student's needs and interests.

**Core Courses Required of All
Curriculum Option Students**

- Education 400. The Critique and Analysis of Research in Education (4)
 Education 420. The Process of Curriculum Development (4)
 Education 451. Bio-Psychological Issues in Learning and Development (4)
 Education 455. Socio-Cultural Aspects of Learning and Development (4)

Other Requirements By Area of Emphasis*Courses Required for Emphasis in Bilingual/Cross-Cultural*

- Education 425. Bilingual Teaching Strategies and Bilingual Teaching Techniques (4)
 Education 426. Teaching Reading and Literacy in Spanish K-6 (4)
 Education 430. The Teaching of English as a Second Language (4)

Courses Required for Emphasis in Multicultural Populations

- Education 446. Education and Culture in the Developing Nations (4)
 Education 470. Education and Multicultural Populations (4)
 Education 484. Seminar: Urban Education (4)

* A total of 13 quarter units from "A" and "B" combined may be counted toward the Master of Arts degree.

Courses Required for Emphasis in Elementary Curriculum

- Education 421 (A,B,C,D,E). Seminar: Curriculum Development (2) †
 Education 431. Seminar in Reading: Diagnosis and Remediation (4), or
 Education 433. Advanced Seminar in Reading (4)
 Education 440. Children's Literature (4)
 Education 470. Education and Multicultural Populations (4)

Courses Required for Emphasis in Instructional Technology, Program Development and Evaluation

- Education 401. Evaluation and Program Monitoring in Education (4)
 Education 410. Seminar in Instructional Technology (4)
 Education 411. Creative Educational Media and Materials (4)
 Education 421 (A, B, C, D, E). Seminar: Curriculum Development (4) †

Courses Required for Emphasis in Reading

- Education 431. Seminar in Reading: Diagnosis and Remediation (4)
 Education 432. Practicum in Diagnosis and Remediation of Reading Problems (4)
 Education 433. Advanced Seminar in Reading (4)
 Education 434. Research in Reading Education (4)

Courses Required for Individualized Program

Students will be required upon admission to the program to complete an "Individualized Program" in consultation with an advisor. The student will indicate professional and educational goals and courses to be taken to achieve those goals. The program of study will be approved by the advisor and either the Chairperson, Curriculum and Teacher Preparation Department, or the Coordinator of the Curriculum Section. Student and advisor must verify quarterly consultations by signing the Individualized Program form each quarter.

Electives

Electives will be selected with the student's faculty advisor to complete 45 units.

Alternatives

Prior to the completion of 28 quarter units (including core courses), the graduate student must select one of the following alternatives:

Alternative I: Coursework and thesis (45 units)

1. Complete an approved program of 36 units of coursework with at least a B (3.0) average (including core courses).
2. Complete an approved thesis or creative project (9 units). See advisor for thesis preparation guidelines. Student may enroll for thesis credit after completing 28 hours of coursework with at least a B average.

Alternative II: Coursework and Examinations (45 units)

1. Complete an approved program of 45 units of coursework with at least a B (3.0) average (including core courses).
2. Satisfactorily complete a written examination on a problem agreed upon with an advisor which meets prescribed guidelines.
3. Satisfactorily complete an oral examination.

† Students are required to take two of five two-unit modules from among Education 421A, 421B, 421C, 421D, and 421E.

REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN EDUCATION

With an Option in Early Childhood Education

The Early Childhood Education master's program is designed to prepare educators for leadership positions in this field. Competencies necessary to productive functioning in Early Childhood learning environments have been specified and assigned to the courses listed below. The program emphasizes self-directed learning on the part of graduate students. Consequently, most of the courses have been designed to allow the student to proceed at his own pace.

Students in this program are required to complete 45 quarter units including a 9-unit internship with documentation in lieu of thesis or comprehensive examinations. They will be assigned to an early childhood center to refine the competencies mastered during the training phase.

Prerequisite Courses

- Education 210. Motivation and Learning (4)
- Psychology 250. Developmental Psychology (4)

Core Courses Required of All Early Childhood Education Students

- Education 400. The Critique and Analysis of Research in Education (4)
- Education 422. Curriculum Development for Early Childhood Education (4)
- Education 455. Socio-Cultural Aspects of Learning and Development (4)
- Psychology 450. Seminar in Developmental Psychology (4)

Other Requirements

- Education 401. Evaluation and Program Monitoring in Education (4)
- Education 454. Seminar: Diagnosis, Prescription, and Behavior Modification in Schools (4)
- Education 477. Development and Training of School and Community Personnel—Emphasis on Early Childhood (4)
- Education 478. Seminar: Organization and Supervision in Early Childhood Education (4), *or*
- Education 479. Seminar: Early Childhood Administration (4)
- Education 497. Internship in Early Childhood Leadership (9)

Electives

- Anthropology 210. Psychological Anthropology (4)
- Anthropology 288. Anthropological Theories of Behavior (4)
- Education 431. Seminar in Reading: Diagnosis and Remediation (4)
- Education 450. Education and Human Development (4)
- Education 453. Identification and Study of Pupil Differences (4)

REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN EDUCATION With a Pupil Personnel Option

The Pupil Personnel master's program is designed to provide basic skills for a variety of pupil personnel roles (except identification and placement in special categories). In addition to one-to-one and group-counseling relationships with pupils, counselors will be trained as school resource persons in areas relating to student problems and career guidance.

There are three phases of instruction: generic, core, and internship. The generic program (consisting of undergraduate prerequisites) provides a theoretical background for students, the core program focuses on the application of theory to specific pupil personnel functions, and the internship provides an opportunity for supervised work with students in a school setting for a sustained period.

Students seeking the master's degree must complete a total of 45 graduate quarter units and pass a comprehensive examination.

Admission Requirements

Students seeking admission to the Pupil Personnel Program must complete the following:

1. Admission to the university graduate program.
2. Present evidence of:
 - a. classroom teaching experience, possession of a California teaching credential, or equivalent;
 - b. career objectives consistent with the proposed course of study;
 - c. employer, community, or professorial recommendation through letters of reference; and
 - d. ability to achieve graduate program goals through 3.0 or higher GPA in generic courses and the first 16 quarter units in core courses.

Assessment of the above will be based on a review of the applicant's file, including a statement of purpose, transcripts, letters of reference and other documents. Classification for graduate standing will be recommended through the Coordinator of the Pupil Personnel Credential Program.

Generic Phase

- Education 210. Motivation and Learning (4)
- Psychology 231. Measurement in Psychology (4)
- Psychology 250. Developmental Psychology (4)
- Psychology 260. Theories of Personality (4)
- Psychology 265. Counseling Theory (4)
- Health Science 220. Health in Public Education (4)

Core Courses Required of All Pupil Personnel Option Students

- Behavioral Sciences 411. Cross-cultural Behavior in Complex Societies (4)
- Education 400. The Critique and Analysis of Research in Education (4)
- Education 454. Diagnosis, Prescription, and Behavior Modification in Schools (4)
- Education 456. School Organization and Pupil Services (4)

Other Requirements

- Education 453. Identification and Study of Pupil Differences (4)
- Education 458. Vocational Decision Making (4)
- Education 486. Advanced Individual and Group Counseling Theory and Application in Schools (4)
- Education 487. Group Counseling for Personal Growth (2)
- Education 488. Intervention Strategies in Counseling (4)

Internship

- Education 496. Internship in School Counseling (9)

Electives

Any graduate level course in Education or the Behavioral Science Master's Degree programs may be used as an elective upon approval of the advisor.

Alternatives

Prior to the completion of 28 quarter units (including core courses), the graduate student must select one of the following alternatives:

Alternative I: Coursework and thesis (45 units)

1. Complete approved program of 36 units of coursework with at least a B (3.0) average (including core courses).
2. Complete approved thesis or creative project (9 units). See advisor for thesis preparation guidelines. Student may enroll for thesis credit after completing 28 hours of coursework with at least a B average.

Alternative II: Coursework and Examinations (45 units)

1. Complete an approved program of 45 units of coursework with at least a B (3.0) average (including core courses).
2. Satisfactorily complete written examination on a problem agreed upon with an advisor and which meets prescribed guidelines.
3. Satisfactorily complete an oral examination.

MASTER OF ARTS IN SPECIAL EDUCATION

REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN SPECIAL EDUCATION

The Special Education master's program is designed to offer the student both generic and advanced specialization training in the delivery of special education services to exceptional children. The basic generic program prepares the candidate in the principles and techniques applicable with all types of exceptional children. Advanced concentrations are offered in two areas: (1) *Learning Handicapped* (learning disabled, behaviorally disordered, and educable mentally retarded), and (2) *Severely Handicapped* (trainable mentally retarded, autistic, developmentally handicapped, and multiply handicapped). Advanced concentrations focus in depth on competencies in assessment, instruction, program evaluation, and professional interpersonal relationships through coursework and appropriate practicum experiences. Specialist credentials may be completed concurrently with the master's degree in special education.

Admission Requirements

To be admitted with a master's degree objective the applicant must possess:

1. A bachelor's degree from an accredited college or university;
2. A 2.75 or higher grade point average in the last 90 quarter units of college work completed (not including extension units); Miller Analogies score of 40 or better is acceptable in lieu of a GPA of 2.75.
3. A valid teaching credential for the State of California or be currently enrolled in the college's credential program or present evidence of equivalent experiences.

Letters of recommendation are required of individual applicants.

Students who do not meet the admission requirements specified above may petition the Graduate Studies Committee.

Students must apply for classified status upon completion of 16 units of prescribed coursework with no grade less than B.

After completing all required coursework with at least a B average, students are to fulfill one of the following alternatives to obtain the Master's degree: (1) comprehensive oral and written examinations, (2) project or product thesis, or (3) research thesis.

Required of all Special Education Students

Prerequisites

- Education 210. Motivation and Learning (4)
- Education 266. Introduction to Exceptional Children (4)

Basic Generic Courses

- Education 367. Basic Generic Practicum with Exceptional Children (6)
- Education 459. Introduction to Language Development, Disorders and Remediation (4)

Core Courses

- Education 400. The Critique and Analysis of Research in Education (4)
- Education 466. Developmental Problems of Exceptional Children (4)
- Education 467. Managing Classroom Behavior of Exceptional Children (4)
- Education 474. Career Education and Counseling for the Disabled (4)

Courses Required for the Concentration in the Severely Handicapped

- Education 463. Diagnosis and Prescription for the Severely Handicapped (4)
- Education 464. Curriculum Development for the Severely Handicapped (4)
- Education 465. Practicum: Directed Teaching with the Severely Handicapped (7)

Courses Required for the Concentration in the Learning Handicapped

- Education 468. Diagnosis and Prescription for the Learning Handicapped (4)
- Education 469. Curriculum Development for the Learning Handicapped (4)
- Education 472. Practicum: Directed Teaching with the Learning Handicapped (7)

Recommended Courses

Education 491. Current Issues in Special Education (2) (for students preparing for comprehensive written and oral examinations)

Electives

- Anthropology 442. Seminar in Cross-Cultural Studies in Deviant Behavior (4)
- Behavioral Science 430. Studies in Human Communication (4)
- Education 406. Early Intervention: Issues and Trends (2)
- Education 450. Education and Human Development (4)
- Education 499. Thesis (9)
- English 211. Phonology (4)
- Linguistics 200. Introduction to Human Language (4)
- Physical Ed. 201. Kinesiology (4)
- Physical Ed 204. Adapted Physical Education for the Handicapped (4)
- Psychology 250. Developmental Psychology (4)
- Psychology 265. Counseling Theory (4)
- Psychology 466. Individual Intellectual Assessment (4)
- Sociology 265. Deviant Behavior (4)
- Sociology 266. Social Aspects of Mental Illness (4)
- Sociology 450. Seminar in Interaction Processes (4)

COURSE OFFERINGS

Credential Courses

Enrollment in professional Education courses may require the prior approval of the School of Education. Field trips and field studies may be required.

- 210. MOTIVATION AND LEARNING (4).** The psychology of learning and motivation as it relates to instruction; emphasis on the application of learning principles to classroom learning situations. Survey of applicable research from educational psychology and psychology. F(d/e), W(d/e), S(d/e)
- 230. THE TEACHING OF READING (6).** Procedures and materials for teaching reading in the elementary/secondary schools, including the use of recent media and methods. Two hours of field work will be conducted in local schools where principles acquired during course work may be implemented on site. The instructor will also monitor the laboratory experiences. *Prerequisite: Education 705, Education 210.* F(d/e), W(d/e), S(d/e)
- 232. TEACHING METHODS FOR BILINGUAL/BICULTURAL EDUCATION (4).** Introduction to methodologies and approaches to bilingual/bicultural education. Prepares students to teach in a bilingual/bicultural classroom. Includes a survey of bilingual/bicultural curriculum objectives, methodologies, and materials. Components include methods in the teaching of reading in the primary language, ESL/SSL, concept acquisition, self-concept development, culture, and heritage. Identifies strategies for working with parents, aides, and school personnel. *Prerequisite: Spanish language fluency.* W(d), S(d)
- 239. MULTICULTURAL PERSPECTIVES FOR TEACHERS (4).** Analysis and application of the concept of cultural pluralism to the task of teaching multicultural populations. Prepares teachers and prospective teachers to recognize the values of cultural differences and to utilize these in classroom methods and materials. F(d/e), W(d/e), S(d/e)

- 266. INTRODUCTION TO EXCEPTIONAL CHILDREN (4).** Review of the field of exceptionality including behavioral characteristics and learning patterns of handicapped pupils in terms of program and developmental needs. Current exemplary assessment and educational strategies for the educationally, physically, and severely handicapped, and communication disorders will be analyzed and critiqued. *Prerequisite: Education 705 and Education 210.* F(e), W(e), S(e)
- 301. PRINCIPLES OF ADULT EDUCATION (4).** This course is designed to meet the requirements for the Designated Subject Teaching Credential as outlined by the Commission for Teacher Preparation and Licensing and will cover: principles and practice of adult education, scope and function, knowledge of cultural differences in students and communities, community and occupational relationships. F,W
- 302. METHODS AND MATERIALS OF ADULT EDUCATION (4).** This course is designed to meet the requirements for the Designated Subject Teaching Credential as outlined by the Commission for Teacher Preparation and Licensing and will cover instructional techniques and evaluation, lesson planning, development of instructional materials, evaluation of student achievement, the learning process, and curriculum and media. *CR/NC only.* F,W
- 303. COUNSELING AND GUIDANCE FOR TEACHERS OF ADULT EDUCATION (4).** This course is designed to meet the requirements for the Designated Subject Teaching Credential as outlined by the Commission for Teacher Preparation and Licensing and will cover counseling techniques to meet special needs of students and intracurricular student leadership development. W,S
- 304. SUPERVISED FIELD EXPERIENCES (2).*** Participation with pupils, teachers, administrators, and community agencies in educational programs. Supervised field experience fulfilling designated objectives involving classroom, school and community activities. Individualized assignments to fulfill the particular needs of each credential applicant. Staff supervision of field experiences in scheduled seminars and fieldsites. *Prerequisite: Admission to Designated Subject Teaching Credential Program. Concurrent enrollment with Education 301 or 302 is desirable.* *CR/NC only.* S
- 322. EDUCATION OF THE MEXICAN AMERICAN (4).** The study of the special educational problems of Mexican Americans, their historical and cultural bases, with an emphasis on research and innovative pedagogical methods for improving the curriculum for the bilingual learner. F(e), S(e)
- 324. EDUCATION OF THE AFRO-AMERICAN CHILD (4).** Analysis of the special learning style of Afro-American students, including their historical and cultural bases. Opportunities to apply research findings in improving the curriculum for the Afro-American learner. F(e), W(e)
- 326. EDUCATION OF ASIAN/PACIFIC CHILDREN (1,2,3,4).*** Analysis of special educational problems of Asian/Pacific children, including their historical and cultural bases, opportunities to apply research findings in improving the curriculum for the Asian/Pacific child. S(e)
- 367. BASIC GENERIC PRACTICUM WITH EXCEPTIONAL CHILDREN (6).** Supervised practice in assessment, instruction, and program evaluation for exceptional children with various learning patterns and developmental levels. Reporting outcomes of teaching-learning sequences for pupils, parents, and school records will be included. On-site experience with a variety of exceptional children in exemplary public and/or private school special education programs. *CR/NC only.* *Prerequisite: Education 266.* W(d)

* Repeatable course.

705. **INTRODUCTION TO CLASSROOM TEACHING (2).*** Provides an opportunity for undergraduate student to become acquainted with schools and classrooms by directly working as a "teacher's aide" with children and/or adolescents in a classroom setting for several hours each week. *Prerequisite: Completion of minimum of 80 quarter units.* CR/NC only, F(d), W(d), S(d)
740. **WORKSHOP IN TEACHING METHODS (3).*** Study of various approaches, methods, and materials related to a selected area of the curriculum. Development of applications at elementary and/or secondary levels.
745. **STUDENT TEACHING—ELEMENTARY (4).**¹ F(d)
746. **SEMINAR: STUDENT TEACHING—ELEMENTARY (2).**¹ F(d)
747. **TEACHING METHODS—ELEMENTARY (2).**¹ F(d)
755. **STUDENT TEACHING—ELEMENTARY (4).** A continuation of Education 745. W(d)
756. **SEMINAR: STUDENT TEACHING—ELEMENTARY (2).** A continuation of Education 746. W(d)
757. **TEACHING METHODS—ELEMENTARY (2).** A continuation of Education 747. W(d)
765. **STUDENT TEACHING—ELEMENTARY (4).** A continuation of Education 755. S(d)
766. **SEMINAR: STUDENT TEACHING—ELEMENTARY (2).** A continuation of Education 756. S(d)
767. **TEACHING METHODS—ELEMENTARY (2).** A continuation of Education 757. S(d)
775. **STUDENT TEACHING—SECONDARY (4).**² F(d)
776. **SEMINAR: STUDENT TEACHING—SECONDARY (2).**² F(d)
777. **TEACHING METHODS—SECONDARY (2).**² F(d)
785. **STUDENT TEACHING—SECONDARY (4).** A continuation of Education 775. W(d)
786. **SEMINAR: STUDENT TEACHING—SECONDARY (2).** A continuation of Education 776. W(d)
787. **TEACHING METHODS—SECONDARY (2).** A continuation of Education 777. W(d)
795. **STUDENT TEACHING—SECONDARY (4).** A continuation of Education 785. S(d)
796. **SEMINAR: STUDENT TEACHING—SECONDARY (2).** A continuation of Education 786. S(d)
797. **TEACHING METHODS—SECONDARY (2).** A continuation of Education 787. S(d)

* Repeatable course.

¹ Education 745, 746, and 747 are taken concurrently. They provide eight units of field experience combining approximately 20–26 hours of student teaching, two hours of seminar with field site coordinator or master teacher, and two hours of instruction related to specific teaching methods per week. CR/NC only. *Prerequisite: Acceptance into field-centered credential program.*

² Education 775, 776, and 777 are taken concurrently. They provide eight units of field experience combining approximately 15–20 hours of student teaching, two hours of seminar with field site coordinator or master teacher, and two hours of instruction related to specific teaching method per week. CR/NC only. *Prerequisite: Acceptance into field-centered credential program.*

Graduate

Graduate standing or consent of the Dean is prerequisite to enrollment in the following courses.

- 400. THE CRITIQUE AND ANALYSIS OF RESEARCH IN EDUCATION (4).** Considerations of assumptions and techniques of educational research ranging from the theoretical to the empirical. Review of pertinent research studies in emphasizing their applicability to general and specific educational problems. Analysis of statistical concepts. Preview of sources of educational research. F(e), W(e), S(e)
- 401. EVALUATION AND PROGRAM MONITORING IN EDUCATION (4).** Designed to prepare students to apply theories and models of evaluation in educational and clinical settings. Provides experience in designing and developing formative and summative evaluation procedures for all educational programs. *Prerequisite: Education 400 or consent of instructor.* F(e), S(e)
- 402. EDUCATIONAL RESEARCH AND EVALUATION IN ADMINISTRATION (4).** Prepares school administrators to analyze educational hypotheses in terms of the appropriateness of research or evaluation as a tool to their substantiations. Provides practice in designing evaluation studies, including selection and development of instrumentation, comparing preference and performance data, item and person sampling techniques, designing formative and summative evaluation studies, appropriate data units, and cost-effectiveness decision making related to school administration. *Prerequisite: Consent of instructor.* W(e)
- 406. EARLY INTERVENTION: ISSUES AND TRENDS (1,2,3,4).*** Emphasis on accomplishments, current trends and future issues in early intervention. Participants will attend mini-workshops covering language development to motor skills for children from infancy to the primary grades. Lecture sessions will feature nationally renowned speakers. CR/NC only. *Prerequisite: Education 210.* S(d)
- 410. SEMINAR IN INSTRUCTIONAL TECHNOLOGY (4).** Prepares students to apply the systems analysis approach to educational planning, development and evaluation. Develops skill in writing specified instructional objectives, analyzes entry level skills of learners, performs task analyses, and writes criteria for objectives. Analyzes the relationship between accountability and curriculum planning. S(e)
- 411. CREATIVE EDUCATIONAL MEDIA AND MATERIALS (4).** Designed to familiarize the student with the operation and optimum use of a variety of audio and visual media for curriculum planning. Students will receive instructions to assist them in designing and producing overhead transparencies, tapes, slides, etc., to fulfill a curriculum objective of their choice. Design of curriculum media projects will be based upon current research relating to the socio-psychological and learning effects of each communication media. Includes both available classroom equipment and mass media public communication systems. S(e)
- 412. TEACHING METHODS AND MATERIALS FOR MEDICAL TECHNOLOGY (4).** Teaching methods and materials used for medical technology education. Includes instructional planning, lesson presentation, techniques, selection and preparation of appropriate curriculum materials and media, and achievement testing. *Prerequisite: Education 210 or concurrent enrollment.*
- 414. SEMINAR IN EDUCATION: LANGUAGE ARTS (4).** Examines advanced theories and practices in language arts instruction: emphasis on oral and written communication. This course will enable students to gain expertise in developing materials and appropriate evaluative measures. W(e)

* Repeatable course.

- 420. THE PROCESS OF CURRICULUM DEVELOPMENT (4).** Designed to review contemporary developments in curriculum theory and practice, to provide experience in development of units of instruction, to develop criteria for evaluating published curriculum materials. *Prerequisite: Basic teaching credential, or consent of instructor.* F(e), W(e), S(e)
- 421A. SEMINAR: CURRICULUM DEVELOPMENT IN THE HUMANITIES (2).** F(e)
- 421B. SEMINAR: CURRICULUM DEVELOPMENT IN MATHEMATICS (2).** S(e)
- 421C. SEMINAR: CURRICULUM DEVELOPMENT IN SCIENCE (2).** S(e)
- 421D. SEMINAR: CURRICULUM DEVELOPMENT IN THE SOCIAL SCIENCES (2).** W(e)
- 421E. SEMINAR: CURRICULUM DEVELOPMENT IN LANGUAGE ARTS (2).** Examination, study and evaluation of curriculum programs in the specified area. Students will assess current programs and develop new strategies applicable to local districts and problems. W(e)
- 422. CURRICULUM DEVELOPMENT FOR EARLY CHILDHOOD EDUCATION (4).** Introduces four representative Early Childhood curricula, presents curriculum theory, and guides students in the development and implementation of Early Childhood curriculum within an early childhood setting. *Prerequisite: Consent of instructor.* F(e), S(e)
- 423. VALUES AND TEACHING (4).** Major topics include (1) theories of values education, (2) development of values from early childhood through adolescence, (3) methods and procedures teaching values and valuing in the classroom, with major emphasis on values clarification. S(e)
- 424. CLASSROOM DISCIPLINE (4).** Approaches and procedures for effective classroom discipline, with emphasis on curriculum planning and implementation. Students will engage in action research projects to investigate conditions in their own school settings and to implement changes conducive to teaching and learning. W(e)
- 425. BILINGUAL TEACHING STRATEGIES AND BILINGUAL TEACHING TECHNIQUES (4).** The study of selected bilingual approaches to, and methods of, teaching social studies, science, mathematics, and language arts. Bilingual and cross-cultural teaching materials development techniques. *Prerequisite: Spanish 200, or consent of instructor.* F(e)
- 426. TEACHING READING AND LITERACY IN SPANISH K-6 (4).** Designed to prepare bilingual teachers to use effective methodology to teach literacy and reading to Spanish speaking and bilingual (Spanish-English) children. It includes examination of youngster's readiness skills in Spanish, analysis of different methods to teach reading in Spanish, and use of Spanish literary selections for reading and literacy in Spanish. *Prerequisite: Bilingualism and biliteracy.* F(e)
- 427. SEMINAR IN MEXICAN AMERICAN EDUCATION (4).** Explores the socio-cultural basis for the past and present status of Mexican Americans with emphasis on legal and political issues. Content and methodological innovation as well as governmental and legislative actions will be analyzed in depth. Issues relating only to education will be analyzed in this course. S(e)

- 428. CURRICULUM DEVELOPMENT FOR THE BILINGUAL CLASSROOM (4).** Study of curriculum development for the elementary classroom, utilizing prescriptive, diagnostic and individualized instruction as it specifically relates to the bilingual/bicultural child, including mathematics, science, social studies and Spanish/English language development. The bicultural dimension of the curriculum and its effect on self-concept will be studied in depth. W(e)
- 430. THE TEACHING OF ENGLISH AS A SECOND LANGUAGE (4).** Issues and problems, techniques, procedures, and materials for teaching the dominant language (standard English) to the bilingual and to the bidialectal. *Prerequisite: English 210 or English 219, or consent of instructor.* W(e)
- 431. SEMINAR IN READING: DIAGNOSIS AND REMEDIATION (4).** Survey of reading programs for children with special learning needs; determine techniques and procedures for appraising reading proficiency; discuss the theoretical and practical consideration of the causes of reading disability; know some classroom techniques and materials for individual diagnosis. *Prerequisite: Education 230.* F(e), W(e), S(e)
- 432. PRACTICUM IN DIAGNOSIS AND REMEDIATION OF READING PROBLEMS (4).*** Each student will work with four or five problem readers, performing the following tasks: 1) diagnosis, 2) prescription, 3) treatment implementation, 4) progress charting, and 5) continuation guidelines specifications. *Three-fourths of the time will be spent in the field; one hour per week will be a class seminar.* *Prerequisite: Education 431.* F(e), W(e), S(e)
- 433. ADVANCED SEMINAR IN READING (4).** Each student will select a specialized topic in reading and perform the following: conduct a seminar presentation, write a paper, and evaluate the results of the seminar presentation. Seminar topics are selected by students with consent of instructor. *Prerequisite: Education 432.* W(e)
- 434. RESEARCH IN READING EDUCATION (4).** Summarize reading research in the areas of word recognition, comprehension of connected discourse, and instructional methods. Critique studies in each of the above areas. *Prerequisite: Education 400, or consent of instructor.* F(e), S(e)
- 440. CHILDREN'S LITERATURE (4).** Survey of available children's literature for prescriptive reading designations and the enjoyment and appreciation of children's literature. F(e), W(e), S(e)
- 446. EDUCATION AND CULTURE IN THE DEVELOPING NATIONS (4).*** The educational systems of selected developing nations in Africa, Asia, and South America. Analysis and evaluation of problems of socio-economic development and education. Special emphasis on factors causing change and progress in education after 1945. Evaluation of significant innovations which may have utility in the United States; assessment of European and America contributions. W(e)
- 450. EDUCATION AND HUMAN DEVELOPMENT (4).** A course designed to familiarize students with empirical studies of human development which have special relevance to educational practice. Emphasis on studies of the normal range of human development. Examination of major studies for their implications for teaching. Review of methods of research. *Prerequisite: Introductory course in developmental psychology, child psychology, or consent of instructor. Teaching experience desirable.* S(e)
- 451. BIO-PSYCHOLOGICAL ISSUES IN LEARNING AND DEVELOPMENT (4).** Theories, basic assumptions, research related to the learner and the learning process; emphasis on biological and psychological factors in individual differences; relevant factors in cognitive and affective development. F(e), W(e), S(e)

* Repeatable course.

453. **IDENTIFICATION AND STUDY OF PUPIL DIFFERENCES (4)**. Intensive study of pupil variation and search for special pupil abilities and needs within classroom groups. Educational planning based on identified needs of individual pupils. F(e), S(e) *Prerequisite: Psychology 231.*
454. **SEMINAR: DIAGNOSIS, PRESCRIPTION, AND BEHAVIOR MODIFICATION IN SCHOOLS (4)**. Designed to teach students to diagnose learning and behavioral problems and to prescribe and implement ameliorative procedures with emphasis on the techniques of behavior modification. F(e), S(e)
455. **SOCIO-CULTURAL ASPECTS OF LEARNING AND DEVELOPMENT (4)**. Examines the total process of socialization and the effects of cultural determinants upon individual growth, development, and patterns of learning. Considers the school as an agent of socialization and mediator of culturally determined drives and values. F(e), W(e), S(e)
456. **SCHOOL ORGANIZATION AND PUPIL SERVICES (4)**. Considers the structure, function of personnel, and sources of curricular and budgetary decisionmaking authority in schools. Laws and judicial process relating to the rights of minors will also be covered. Analysis of a specific school system, hypothetical legal problems of minors, and alternative organizational solutions to pupil problems will be considered. F(e), S(e)
458. **VOCATIONAL DECISIONMAKING (4)**. Prepares student to help pupils make career choices. Student will develop case studies related to vocational decisionmaking, help pupils plan a program of studies consistent with career objectives, make career information available to pupils in a self-directed format, and plan for the infusion of career information into the regular curriculum of a specific school system. *Prerequisite: Completion of generic program—Education 210, Psychology 260, Psychology 250, Health Science 220, admission to Pupil Personnel Services Program, or consent of instructor.* W(e)
459. **INTRODUCTION TO LANGUAGE DEVELOPMENT, DISORDERS, AND REMEDIATION (4)**. Basic concepts of language structure; normal and deviant language development; relevant diagnostic-prescriptive strategies. *Prerequisite: Education 266.* F(e), S(e)
463. **DIAGNOSIS AND PRESCRIPTION FOR THE SEVERELY HANDICAPPED (4)**. Identification of current issues and trends in the assessment and training of the severely handicapped. Participants will learn exemplary techniques for the diagnostic and formative evaluation of individualized training programs for the severely handicapped. *Prerequisites: Education 266 and Education 462.* F(e)
464. **CURRICULUM DEVELOPMENT FOR THE SEVERELY HANDICAPPED (4)**. Supervised fieldwork experience with the severely handicapped, with emphasis on instructional curriculum development. Students are expected to acquire competencies associated with different curriculum models for training the severely handicapped. *Prerequisites: Education 400, 462, and 467.* W(e)
465. **PRACTICUM: DIRECTED TEACHING WITH THE SEVERELY HANDICAPPED (7)**. Provides experience with severely handicapped children and integrates the competencies of the candidate for the specialist credential. Emphasis is placed on the use of current procedures with children classified as severely handicapped, within the context of classroom, home, and institutional settings. *Prerequisite: Education 464.* S(d)

- 466. DEVELOPMENTAL PROBLEMS OF EXCEPTIONAL CHILDREN (4).** Designed to provide information and experiences with developmental abnormalities of exceptional children with an emphasis on the developmentally disabled and the severely handicapped. Materials presented in this course will highlight normal growth patterns of children, and the effects of abnormalities on maturational expectancies. *Prerequisite: Education 266.* F(e), W(e)
- 467. MANAGING CLASSROOM BEHAVIOR OF EXCEPTIONAL CHILDREN (4).** Review of research-based techniques in dealing with frequently occurring classroom behavioral problems. Emphasis on analysis of individual problem behaviors and implementation of systematic change procedures appropriate to the behavioral disorder. Techniques for involving parents, peers, and tutors. W(e), S(e)
- 468. DIAGNOSIS AND PRESCRIPTION FOR THE LEARNING HANDICAPPED (4).** Practice in the construction and use of diagnostic instruments for the learning handicapped. Demonstration of ability to make valid instructional decisions based on diagnosis. F(e)
- 469. CURRICULUM DEVELOPMENT FOR THE LEARNING HANDICAPPED (4).** Supervised practice in the development of individualized instruction for the learning handicapped. Students will diagnose, prescribe, and formatively evaluate instruction for children with learning handicaps. Assessment and evaluation data will be used to develop curricula appropriate to the child's learning pattern and developmental level. Supervision and teaching will be in an on-campus learning and instructional materials center for the handicapped. *Prerequisite: Education 468.* W(e)
- 470. EDUCATION AND MULTICULTURAL POPULATIONS (4).** Examination of current theory and research relating to multicultural education. Examination of the genetic and socio-psychological effects of isolation and/or poverty. Study of educational policy, finance, current testing methods, and social psychology for the teacher and learner in multicultural settings. S(e)
- 472. PRACTICUM: DIRECTED TEACHING WITH THE LEARNING HANDICAPPED (7).** Provides experience with learning handicapped pupils and integrates competencies of the candidate for the specialist credential. Emphasis is on effective procedures for children classified as learning handicapped in special class, resource room, and regular classroom settings. *Prerequisite: Education 469.* F(d), S(d)
- 474. CAREER EDUCATION AND COUNSELING FOR THE DISABLED (4).** Techniques and materials to develop a career education program for the disabled, including procedures to assess community resources and obtain employment for students. Examination and application of current theories and techniques of counseling with disabled children and their parents. S(e)
- 476. ISSUES IN EDUCATION (2).*** Identification of significant and persistent issues in education preparing students to analyze contemporary issues in education, to evaluate policy statements and published opinions with an awareness of elements involved. F(e), W(e), S(e)
- 477. DEVELOPMENT AND TRAINING OF SCHOOL AND COMMUNITY PERSONNEL—EMPHASIS ON EARLY CHILDHOOD (4).** Training needs assessments, specification of required competencies, development of procedures and materials to be utilized in achieving training goals. Group process skills as a means of effective personnel development. Developing procedures for working with advisory councils and parents. *Prerequisite: Education 422.* F(e), S(e)

* Repeatable course.

- 478. SEMINAR: ORGANIZATION AND SUPERVISION IN EARLY CHILDHOOD EDUCATION (4).** Formulation of plans for implementing change in an Early Childhood facility. Organizational patterns, strategies for effecting change, and methodology of clinical supervision will be included. *Prerequisite: Education 422.* W(e)
- 479. SEMINAR: EARLY CHILDHOOD ADMINISTRATION (4).** Formulation of plans for the organization and implementation of an early childhood educational program. Selecting facilities and equipment, and recruiting personnel and children. Designed to prepare students for administrative roles. *Prerequisite: Education 422.* F(e), S(e)
- 484. SEMINAR: URBAN EDUCATION (4).** Analysis of social interaction within the school and between the school and society. Special attention to the problems of urban education. *Prerequisite: Education 455 or equivalent.* F(e)
- 485. SCHOOL ADMINISTRATION: PRINCIPLES AND PROCESSES (4).** The course will focus on principles of organization and administration of public education at federal, state, county and local levels, with special reference to California. Current issues, problems and trends in the organization and administration of public education, and financial and legal aspects of school administration will also be examined. *Prerequisites: Education 402, 420, 484, Public Administration 401 and 424.* F(e), W(e), S(e)
- 486. ADVANCED INDIVIDUAL & GROUP COUNSELING THEORY & APPLICATION IN SCHOOLS (4).** The student will review theoretical considerations and apply them to the practice of various counseling techniques used to establish a positive relationship with the counselee and assist him/her in making desired changes in his/her life. Each student will practice counseling interactions in simulated situations, participate in a personal growth workshop, experience being a counselee, and organize and run a behavior change group. Application of counseling theory and techniques in schools will be stressed. *Prerequisite: Psychology 260, Psychology 265; admission to Pupil Personnel Services Program.* W(e)
- 487. GROUP COUNSELING FOR PERSONAL GROWTH (2).*** Provides personal growth experiences for students enrolled in the pupil personnel credential program. The experiential aspects of the course will provide the basis for didactic review of the intervention strategies used within the group. Individual personal growth will be encouraged by having participants develop and mobilize the emotional resourcefulness necessary for being a successful counselor. *Prerequisite: Admission to Pupil Personnel Services Program, or consent of instructor, concurrent with Education 486.* (CR/NC only) F(e), W(e), S(e)
- 488. INTERVENTION STRATEGIES IN COUNSELING (4).** Student will expand his strategies for counseling effectiveness by studying varied theoretical orientations in counseling and practicing specific intervention techniques developed by each orientation (i.e., role playing, contracting, modeling, etc. from the behavioral approach). Readings and simulated experiences will be employed. *Prerequisite: Education 486.* F(e), S(e)
- 489. INTERNSHIP IN SCHOOL ADMINISTRATION AND SUPERVISION (9).** Supervised field experience at the school level to include actual job performance in both supervisory and administrative work. Students will demonstrate competencies specified in the Approved Program. *Prerequisites: All required courses, Administrative Services program.* F(d), W(d), S(d)

* Repeatable course.

- 490. INTERNSHIP IN MEXICAN AMERICAN BILINGUAL/CROSS-CULTURAL ADMINISTRATION AND CURRICULUM (9).** An extensive internship in a Mexican American bilingual/cross-cultural site, requiring demonstration of performance competencies in curriculum development and administration, assessment, and evaluation. Candidates may elect either curriculum developments or administrative roles for either the specialist credential terminal objective or for the M.A. degree. *Prerequisites: Education 322, Spanish 200, Spanish 235, Spanish 251, Mexican American Studies 200, Mexican American Studies 297, or by recommendation from Spanish Bilingual/Cross-Cultural Program Development Committee.* S(d/e)
- 491. CURRENT ISSUES IN SPECIAL EDUCATION (2).** Designed to assist the graduate student in special education integrate all previous coursework in the field. Legal and empirical evidence bearing on specific current issues will be reviewed and used as the basis of class discussion. *Prerequisite: All coursework leading to the M.A. in Special Education.* W(e), S(e)
- 492. SEMINAR: CURRICULUM COURSEWORK SYNTHESIS (2).** Designed to assist the graduate student completing the Curriculum M.A. integrate previous coursework in the field and to prepare for the Master's exam. Students in a variety of emphasis areas and credential programs (including Reading and Bilingual credential candidates) may be interested in this course, but Special Education students should take Education 491 in lieu of Education 492. Legal, theoretical and empirical issues in the student's core and advanced specialization content areas will be reviewed and used as the basis of class discussion. (CR/NC only). S(e)
- 495. SPECIALIST CREDENTIAL ASSESSMENT SEMINAR (4).*** This course is designed to permit students to demonstrate mastery of stipulated credential competencies. Students who have been admitted to the specialist credential programs and who wish to challenge the content of a given course or courses will have the opportunity to work with appropriate faculty in demonstrating prior achievement. (CR/NC only.) F(e), W(e), S(e)
- 496. INTERNSHIP IN SCHOOL COUNSELING (9).** Student will be placed in a full-time assignment in a school setting relevant to his future career goals. Each student will demonstrate a wide range of competencies that have been acquired during the core program. Included will be facility in one-to-one and group counseling; ability to diagnose and prescribe for academic and social problems of pupils; ability to help pupils make career related decisions; and ability to deal with a heterogeneous population of students. *Prerequisite: All core courses, Pupils Personnel Services Credential.* F(d), W(d), S(d)
- 497. INTERNSHIP IN EARLY CHILDHOOD LEADERSHIP (9).** An extensive internship in an Early Childhood facility where the demonstration of all performance competencies will be required in lieu of thesis requirements for the Master's Degree with specialization in Early Childhood Education. *Prerequisite: Education 479.* F(e), S(e)
- 498. INDEPENDENT STUDY (2, 4).*** Independent study undertaken under the supervision of a faculty member. *Prerequisite: Consent of instructor.* F, W, S
- 499. THESIS (9).** An individually planned research effort or a creative project of comparable quality. Students work under individual supervision with assigned faculty. F, W, S

* Repeatable course.



MASTER OF ARTS IN ENGLISH

(School of Humanities and Fine Arts)

Chairperson: Abe C. Ravitz, Ph.D., Professor

Professors: John Bullaro, Ph.D.; Caroline Duncan-Rose, Ph.D.; Violet L. Jordain, Ph.D.; Marvin Laser, Ph.D.; Hal Marienthal, Ph.D.; David B. Rankin, Ph.D.; James A. Riddell, Ph.D.; Ephriam Sando, Ph.D.; Jack A. Vaughn, Ph.D.; Walter Wells, Ph.D.

Associate Professors: Patricia S. Eliet, Ph.D.; Dale E. Elliott, Ph.D.; Lois Feuer, Ph.D.; Lila B. Geller, Ph.D.; G. Joyce Johnson, Ph.D.; C. Michael Mahon, Ph.D.; Burckhard Mohr, Ph.D.; Michael R. Shafer, Ph.D.; Lyle E. Smith, Ph.D.; Marilyn Sutton, Ph.D.; Bruce Tracy, Ph.D.; Agnes A. Yamada, Ph.D. (Chairperson, Graduate Standards Committee).

Assistant Professor: Irene McKenna, Ph.D.

REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN ENGLISH

The program leading to the Master of Arts degree in English is a full-year (four-quarter) 45 quarter-unit curriculum. Opportunities for emphasis in English language and linguistics, American literature, British literature, Composition and Rhetoric, or creative writing exist in a flexible curriculum. A significant focus of the program is directed toward preparing students to teach composition at the community college level as well as toward improving the instructional skills of in-service teachers of writing at all academic levels.

1. In applying for admission to the graduate degree program in English, the student should have a transcript of all undergraduate and graduate work sent directly to the department, in addition to transcripts that are sent to the university Office of Admissions. To be admitted into the program a student must possess a baccalaureate degree from an accredited college with a major in English, as well as a grade-point average of 2.5 or better in the last 90 quarter units attempted (not including extension units). Students with other majors may be accepted into the program. For admission to classified standing twelve units of graduate English (400-level) courses must be taken at California State University Dominguez Hills, with B average or better. For advancement to candidacy, students must present classified standing plus twelve additional graduate (400-level) units in English with B average or better, in addition to having passed a diagnostic examination administered by the departmental Graduate Standards Committee.
2. A reading knowledge of at least one foreign language is a valuable research and teaching tool. While a formal foreign language requirement is not part of this program, those planning to pursue a Ph.D. in English will eventually be held responsible for reading ability in two or three foreign languages.
3. Course work must represent reasonable and intelligent distribution among periods and major writers. No more than 12 units selected from upper division undergraduate offerings in English may count toward the Master's degree in English. Each student's program must be approved by a faculty adviser and must also satisfy the all-University policies applicable to Master of Arts degrees.

4. In addition to successful completion of required course work, all candidates must submit a Final Project, an essay (maximum of 35 pages) investigating a subject linguistic or literary. Students choosing the creative writing emphasis will submit as Final Project an original creative work together with an essay explaining its literary background.

Course Offerings

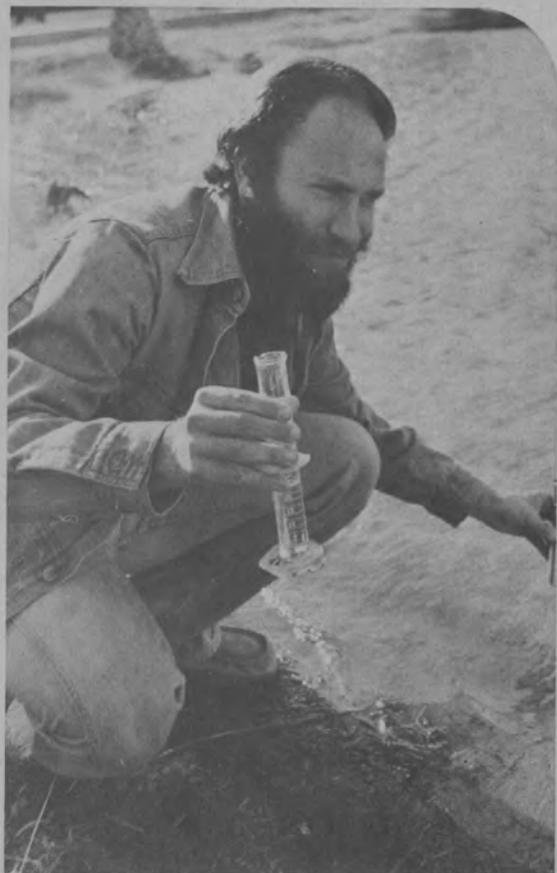
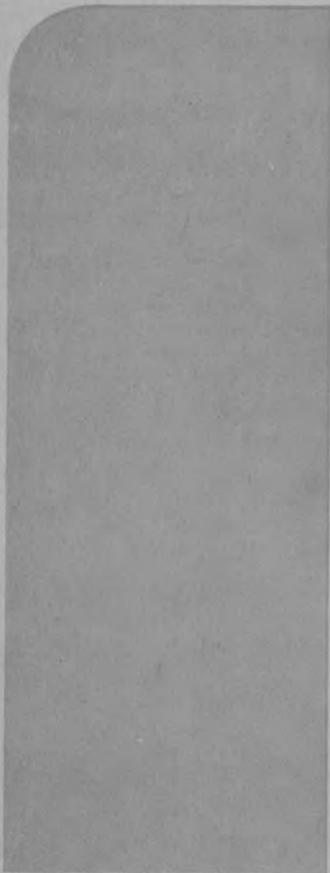
Graduate standing and consent of the department chairperson are prerequisite to enrollment in the following courses.

- 400. SEMINAR: ADVANCED STUDIES IN POETRY (4).** Advanced study in poetry from a variety of critical approaches including Formalism, Social or Historical, Psychological, and Reader-Response Criticism. S(d)
- 430. SEMINAR: STUDIES IN MEDIEVAL LITERATURE (4).*** An introductory study of major works in English literature before 1500, with some attention to important continental analogues and critical methodology. Majority of the texts read in translation. F(d)
- 434. SEMINAR: STUDIES IN RENAISSANCE LITERATURE (1500-1603) (4).*** Aspects of English Renaissance literature within a framework of significant continental achievements, such as those of Erasmus, Ariosto, Castiglione, Machiavelli, Tasso, and others. S(e)
- 437. SEMINAR: STUDIES IN LATE RENAISSANCE LITERATURE (1603-1660) (4).*** Investigation of the baroque ascendancy in English prose, poetry and drama of the late renaissance with varying emphasis on selected works of such representative writers as Jonson, Shakespeare, Bacon, Beaumont, Fletcher, Webster, Milton, Burton, Browne, Taylor, Donne, and the metaphysical poets. F(e)
- 440. SEMINAR: STUDIES IN NEO-CLASSIC LITERATURE (1660-1798) (4).*** Selected studies in Restoration dramatic and non-dramatic literature, and Neoclassical writing in the age of Dryden, Swift, Addison, Steele, Defoe, Pope, Johnson, Richardson, Fielding, and Sterne. W(e)
- 443. SEMINAR: STUDIES IN ROMANTIC LITERATURE (1798-1832) (4).*** Selected studies in the Romantic movement in English literature up to the death of Scott, including such precursors as Burns and Blake. S(e)
- 445. LITERARY CRITICISM (4).*** Intensive study of a major school of literary criticism: Formalist, Freudian, Mythological, Structuralist, or another school of literary criticism chosen by the instructor. *Prerequisite: English 245 or equivalent and consent of instructor.* W(e)
- 446. SEMINAR: STUDIES IN VICTORIAN LITERATURE (1832-1901) (4).*** A study of major writers from the time of the Great Reform Bill to the *fin de siècle*, with an emphasis on literary responses to emerging scientific thought, social consciousness, and religious issues. F(e)
- 449. SEMINAR: STUDIES IN MODERN BRITISH LITERATURE (4).*** Selected study of the literature of the modern period in England, Ireland, and the Commonwealth, as typified by such novelists and poets as Conrad, Yeats, Lawrence, Joyce, Woolf, Forster, Eliot, Auden, Thomas, Greene, and Lessing. F(d)
- 452. SEMINAR: STUDIES IN AMERICAN LITERATURE (1836-1917) (4).*** Selected study of major American writing from the American Renaissance to the First World War. F(e)

* Repeatable course.

455. **SEMINAR: STUDIES IN AMERICAN LITERATURE, THE MODERN PERIOD (4).*** Study of selected American authors and their works since the Lost Generation. S(e)
475. **THE TEACHING OF COMPOSITION (4).*** Theory and practice in the teaching of composition. F(e), W(e)
490. **SEMINAR IN SPECIAL TOPICS IN ENGLISH (4).*** Study of a writer, a period, a genre, a theme, or a problem in literature or rhetoric. F(d), W(e), S(d)
494. **SEMINAR: TOPICS IN LINGUISTIC THEORY (4).*** Advanced topics in phonological, syntactic, or historical-comparative theory, the topic varying from quarter to quarter. *Prerequisite: Consent of instructor.* W(d), S(e)
497. **DIRECTED READING (1).** Extensive reading in selected areas under the guidance of a faculty member. *Prerequisite: Consent of Department Chairperson and Final Project Coordinator.* F, W, S
498. **INDEPENDENT STUDY (1,2,3,4).*** In consultation with a faculty member, the student will investigate in detail current scholarship in some area, or will undertake a project involving original research or creative writing. *Prerequisite: Consent of Departmental Independent Studies Coordinator and instructor.* F, W, S

* Repeatable course.



MASTER OF SCIENCE IN ENVIRONMENTAL STUDIES

(School of Social and Behavioral Sciences)

Program Coordinator: J. Robert Stinson, Ph.D., Professor and Chairman of the Geography Department

Faculty Associated with the Program: Charles F. Forbes, Ph.D. (Geography); Robert Giacosisie, Ph.D. (Biology); Robert B. Johnson, Ph.D. (Geography); F. D. McCarthy, Ph.D. (Biology); David Morafka, Ph.D. (Biology); David Nasatir, Ph.D. (Behavioral Science Graduate Program); Michael A. Romanov, Ph.D. (Geography); Gregory L. Smith, Ph.D. (Geography); Jamie Webb, Ph.D. (Small College)

The goal of the Master of Environmental Studies program is to prepare recent graduates and men and women presently or formerly working in professional positions to broaden their view of the environment and to increase their ability to understand and participate in the related decision-making processes. This program is designed to provide students with an overview of environmental problems, enhance the perception and knowledge of environmental processes, develop an understanding of geomorphology, meteorology, hydrology, geology, ecology, demography, and land use planning.

The program is designed to accommodate the part-time student. Each class meets from 6:30–10:00 p.m. one night a week. The program may be completed within two years, assuming that the student takes two courses per quarter, for a total of 45 quarter units.

Under unusual circumstances, students may be granted a course overload upon petition to the M.S.E.S. coordinator. The program may be entered during the Fall Quarter of each academic year and students will be expected to enroll in consecutive classes as they are offered.

ADMISSION TO THE PROGRAM

All applicants to the Environmental Studies Program must submit a completed application for admission to graduate standing at California State University Dominguez Hills, and transcripts of all previous college level work in accordance with the procedures outlined in the Admission section of this catalog. The applicant must possess a bachelor's degree, or its equivalent, from an accredited college or university; a grade point average of 2.75 or better for 90 quarter units (60 semester units) of undergraduate work. In addition, the applicant *must be* interviewed by the Program Coordinator or designate.

Classified Standing Students are granted classified standing when all admission requirements have been met. Those who enroll prior to fulfilling all the requirements may be admitted to conditionally classified standing. Students granted conditional classification will be required to remedy all admissions deficiencies within one quarter of their admission. Failure to do so will result in disqualification from the program.

Advancement to Candidacy Through the department the student applies for Advancement to Candidacy (application for graduation) during the first week of the last quarter of course work. An overall GPA of 3.0 is required for graduation. Advancement to Candidacy forms may be obtained from the Environmental Studies department office.

Capstone Project ENS 491. Workshop in Applied Research in Environmental Problems must be taken in its sequence (next to last quarter). Through this project students will demonstrate their abilities in applied research methods in environmental problems by preparing an appropriate Environmental Feasibility or Assessment Study.

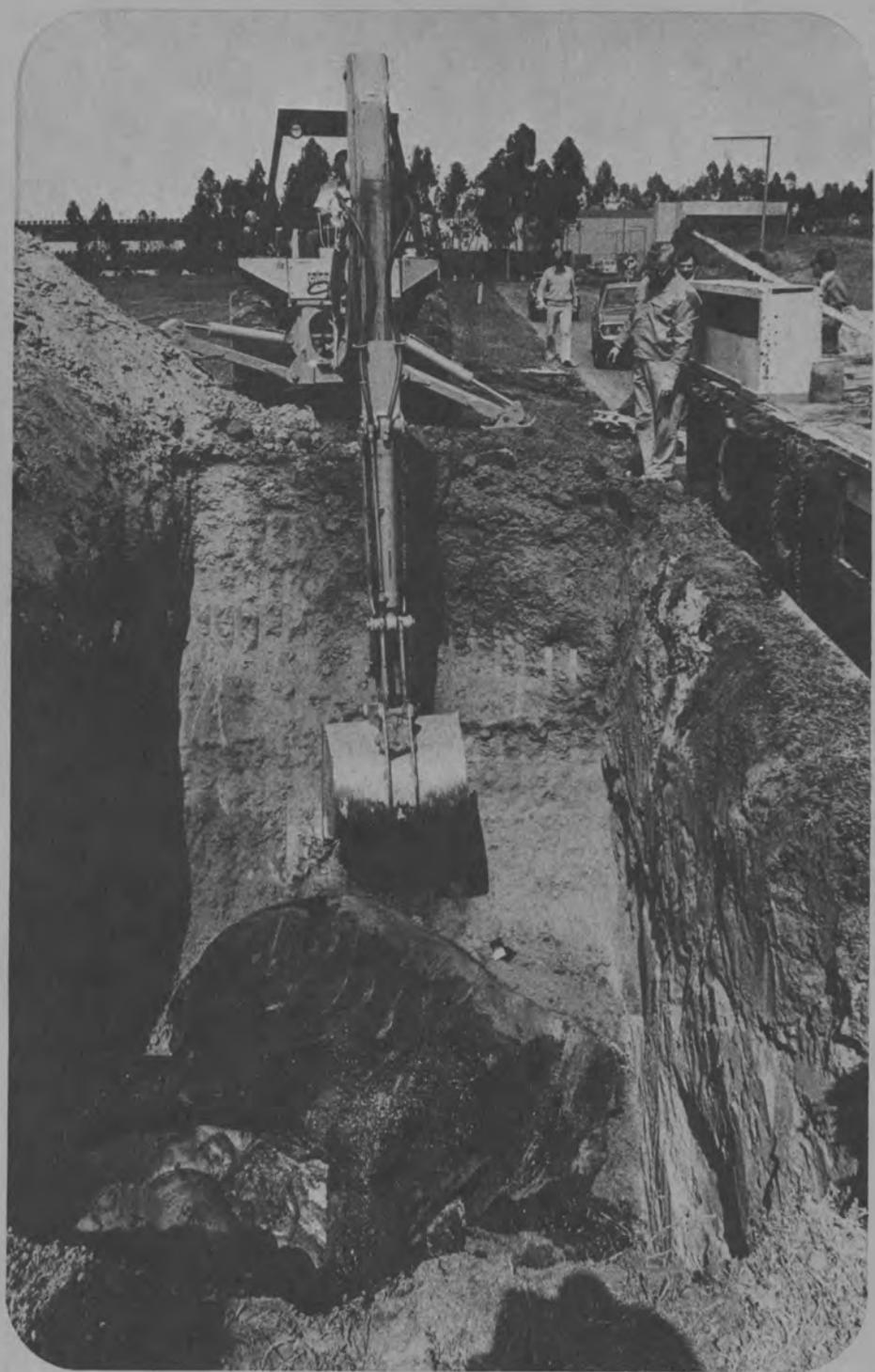
REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE IN ENVIRONMENTAL STUDIES

1. A minimum of 45 quarter units.
2. Completion of the Capstone Project (ENS 491).
3. A grade point average of 3.0 or better in all courses taken.

COURSE OFFERINGS IN ENVIRONMENTAL STUDIES

- 401. ENVIRONMENTAL VALUES AND RESOURCES (4).** Assessment of natural resources—renewable and non-renewable—and the means of conserving and reusing them. Influence of technology on environmental quality. Inclusion of human and other ecological values in technical decisions concerning present and future availability of resources and alternatives to their use.
- 410. PHYSICAL ENVIRONMENTAL HAZARDS AND IMPACT ANALYSIS (4).** Meteorological, geomorphic and hydrologic hazards are assessed, their effect on human activities discussed, and the impact of human activity on these factors studied, including optimum planning inputs for both ecological and economic optimization.
- 415. MICROMETEOROLOGY AND AIR AND NOISE POLLUTION (4).** Micrometeorological factors are studied, the role of micrometeorology in the diffusion, transport and dissipation of air and noise pollution studied, and the potential impact of pollution on meteorological factors studied, including optimization of inputs to site planning and facility design.
- 420. LAND USE AND ENVIRONMENTAL IMPACT (4).** Study of environmental considerations in land use planning. Environmental hazards; water, noise and air pollution; waste management; transportation, energy, and resource commitment are studied, along with social and economic benefits from maximized land utilization.
- 425. ECONOMICS AND THE ENVIRONMENT (4).** Studies the tradeoffs between economic environmental rewards and environmental accountability with emphasis on the costs and benefits of environmental clean-up.
- 426. APPLIED ECOLOGY (4).** Human interactions with the rest of the biosphere are studied. Both positive and negative human impacts on plant and animal distribution are discussed and the impact of human activities on the general plant and animal system and local ecological complexes are investigated.
- 427. HUMAN FACTORS IN ENVIRONMENTAL IMPACT (4).** Growth-inducing factors as related to developmental activities are studied, costs and potential benefits of human displacement as a result of development are discussed, along with problems in population and transport projection. Complex interactions among such factors are studied.
- 450. LEGAL AND POLITICAL CONSIDERATIONS IN ENVIRONMENTAL IMPACT (4).** Study of the principal elements of federal, state, and local laws as they impact on the environmental movement, the policy, and the economy as they govern the substance and content of environmental impact statements and reports.
- 480. ENVIRONMENTAL IMPACT ANALYSIS (4).** Federal and state requirements for environmental impact statements: the required inputs, presentation formats, and mechanisms for review and acceptance or rejection are studied.

- 485. METHODS OF ENVIRONMENTAL RESEARCH (4).** Examines the methods employed in the investigation of environmental problems. Stresses the application of the scientific method to research planning and problem analysis, syntheses of recommendations, and the often necessary mix of qualitative and quantitative techniques. Studies special problems in data collection, analysis, and report writing.
- 490. SEMINAR IN ENVIRONMENTAL STUDIES (4).** Student and faculty seminars on relevant and representative environmental topics.
- 491. WORKSHOP IN APPLIED RESEARCH IN ENVIRONMENTAL PROBLEMS (4).** Applies research methods to the evaluation of important environmental problems. Class work includes literature search, data acquisition and presentation, and report preparation.



MASTER OF ARTS IN THE HUMANITIES *

EXTERNAL DEGREE PROGRAM

(School of Humanities and Fine Arts)

Coordinator: Lyle E. Smith, Ph.D. (English)

Faculty from the Department of History and the cooperating disciplines in the School of Humanities and Fine Arts

Since their beginning in fall 1974, the Humanities External Degree Programs have provided a number of students a quality education at either the baccalaureate (see undergraduate section for details of the Humanities Bachelor of Arts program) or master's level using non-traditional teaching techniques. Because the programs receive no state funding, they must charge students \$40.00 per unit in order to cover instructional and administrative expenses. The fees are the same for residents of California or for students who live elsewhere. Students enrolled in an on-campus (i.e. state supported) program are normally not allowed to take courses in any external degree program except during the summer.

The curricula of both programs have sufficient structure and direction to insure a basic understanding of the Humanities and to give students a range of possibilities for the direction of their studies in order to encourage intellectual freedom and the creative searching spirit. Five humanistic disciplines are involved in the curricula: art, history, literature, music, and philosophy. Students may choose a course of study that has an interdisciplinary focus or one that specializes in a single discipline with work in related disciplines. Whatever their particular interest, students should gain a broad exposure to all of the areas of the Humanities and should establish an integrative perspective among them, with emphasis on their interrelating effects and influences. The master's program has a close working relationship with the bachelor's program, for a number of the courses that graduate students take are in fact from the Humanities Bachelor of Arts curriculum (i.e. 300 level courses). In these courses graduate students are expected to do additional work and are judged by more rigorous standards than the bachelor's students taking the same courses.

The emphasis in both the bachelor's and master's programs is on self-study, off-campus, teacher-guided learning, carried out according to non-traditional processes. Students can progress through either program without ever stepping foot on the CSUDH campus, for neither program has regular classroom instruction. Instead, the programs utilize a variety of non-traditional teaching strategies, including complete course guides for every student, guided instruction via telephone and correspondence by mail, continued supervision by regular full-time CSUDH faculty, monthly newsletters, handbooks containing general information about the programs and suggestions for improving writing skills, lectures on audio cassette tapes, and occasional television program materials.

* For specific External Degree information concerning admission, fees, graduation, and other policies and procedures, contact the Coordinator listed on this page.

To people who are unable or unwilling to spend major blocks of time on a college campus enrolled in traditional classroom courses, the master's program extends the opportunity to continue their education and receive a fully accredited degree. Additionally, the master's program provides the background necessary for the possibility of education beyond the master's degree level and provides a means for expanding and upgrading the professional capabilities of educators. Several master's graduates have been accepted into doctoral programs, while others have advanced professionally in their elementary or secondary school systems as a result of earning the Humanities Master of Arts degree.

HMA ADMISSION REQUIREMENTS

1. File with the Humanities External Degree Office an application for admission and send official transcripts to the Office of Admissions. An application and brochure describing the program in greater detail may be requested from the Humanities External Degree Office (HFA A344; Telephone: 213/515-3743).
2. Bachelor of Arts or Science degree from an accredited college or university. The degree does not have to be in the humanities.
3. Grade point average of 2.50 or better in the last 90 quarter units (60 semester units) of college work attempted (not including extension units).

HMA GRADUATION REQUIREMENTS

1. A minimum of 45 quarter units, completing either Curriculum A or Curriculum B (see below for details of each curriculum).
2. At least 23 units must be graduate (400-level) courses.
3. Not less than 36 quarter units completed in the program. At the discretion of the program coordinator, a maximum of 9 quarter units of post-baccalaureate work may be transferred into the HMA Program.
4. An overall grade point average of 3.00 or better; no individual course with less than a C.
5. Passing grade on the HMA "Advancement to Candidacy" Examination, which is taken after 24 units in the program have been completed.

CURRICULUM REQUIREMENTS: CURRICULUM A

Curriculum A is divided into three phases and is designed for the student who desires to pursue an integrative study of the humanities at the graduate level. It allows for specialization in an interdisciplinary theme rather than in a single discipline, and it seeks to provide a student with a broad exposure to all areas of the humanities. Courses in Phases I and II can be taken concurrently, but Phases I and II must be completed before beginning work in Phase III.

Phase I: Defining the Humanities Seminars (10 units)

- A. Humanities 401. Defining the Humanities: History (2)
- Humanities 402. Defining the Humanities: Literature (2)
- Humanities 403. Defining the Humanities: Music (2)
- Humanities 404. Defining the Humanities: Art (2)
- Humanities 405. Defining the Humanities: Philosophy (2)

Phase II: Studies in the Humanities (28 units)

- A. Category 1: Interdisciplinary Courses (12). Select three courses from the following:
- Humanities 340. Evolution of Human Culture (4)
 - Humanities 341. The Rational Perspective (4)
 - Humanities 342. The Para-rational Perspective (4)
 - Humanities 343. The Autonomous Individual (4)
 - Humanities 344. The Individual and Society (4)
 - Humanities 345. Non-Western World (4)
 - Humanities 346. Alienation, Estrangement and Sub-Cultures (4)
 - Humanities 347. World Religious Perspectives (4)
 - Humanities 348. Values and Morality in Twentieth Century Thought (4)
 - Humanities 486. Independent Study in Interdisciplinary Topics (4)
- B. Category 2: Disciplinary Courses (16 units). Select from the following four single discipline courses in at least three different disciplines:
- Humanities 350. Key Individuals, Art: Frank Lloyd Wright (4)
 - Humanities 351. Key Individuals, Music: Beethoven (4)
 - Humanities 352. Key Individuals, Philosophy: Rousseau (4)
 - Humanities 353. Key Individuals, Literature: Hemingway and Faulkner (4)
 - Humanities 354. Key Individuals, History: Carnegie, Rockefeller, Ford (4)
 - Humanities 356. Nobel Laureates: Studies in Modern World Literature (4)
 - Humanities 370. Key Periods and Movements, Art: Contemporary Art (4)
 - Humanities 371. Key Periods and Movements, Music: Baroque Music (4)
 - Humanities 372. Key Periods and Movements, Philosophy: Biblical Movement (4)
 - Humanities 373. Key Periods and Movements, Literature: Archetypal Criticism (4)
 - Humanities 374. Key Periods and Movements, History: The Age of Revolution (4)
 - Humanities 481. Independent Study in Literature (4)
 - Humanities 482. Independent Study in History (4)
 - Humanities 483. Independent Study in Philosophy (4)
 - Humanities 484. Independent Study in Music (4)
 - Humanities 485. Independent Study in Art (4)

Phase III: Final Project (3-9 units)

- A. Choose one of the following:
- Humanities 491. Final Project: Thesis (6-9)
 - Humanities 492. Final Project: Three Integrative Papers (3)
 - Humanities 493. Final Project: Extended Essay (5)
 - Humanities 494. Creative Project: (6-9)

Electives: Additional courses ("electives") must be taken if final project does not give student a total of 45 units. These units may include courses in the Humanities Encounters series (Hum. 320-324) or Hum. 330, Research Methods.

CURRICULUM REQUIREMENTS: CURRICULUM B

Curriculum B is divided into three phases and is designed for the student who desires an interdisciplinary study of the humanities with specialization in one of five disciplines: art, history, literature, philosophy, or music. Courses in Phases I and II can be taken concurrently, but Phases I and II must be completed before beginning Phase III.

Phase I: Defining the Humanities Seminars (6 units)

- A. Select three courses from the following:
- Humanities 401. Defining the Humanities: History (2)
 - Humanities 402. Defining the Humanities: Literature (2)
 - Humanities 403. Defining the Humanities: Music (2)
 - Humanities 404. Defining the Humanities: Art (2)
 - Humanities 405. Defining the Humanities: Philosophy (2)

Phase II: Studies in the Humanities with a Single Discipline Emphasis (28–32 units)

A. Category 1: Study in a Single Discipline. Select from the following four courses in the same discipline.

- Humanities 350. Key Individuals, Art: Frank Lloyd Wright (4)
- Humanities 351. Key Individuals, Music: Beethoven (4)
- Humanities 352. Key Individuals, Philosophy: Rousseau (4)
- Humanities 353. Key Individuals, Literature: Hemingway and Faulkner (4)
- Humanities 354. Key Individuals, History: Carnegie, Rockefeller, Ford (4)
- Humanities 356. Nobel Laureates, Studies in Modern World Literature (4)
- Humanities 370. Key Periods and Movements, Art: Contemporary Art (4)
- Humanities 371. Key Periods and Movements, Music: Baroque Music (4)
- Humanities 372. Key Periods and Movements, Philosophy: Biblical Movement (4)
- Humanities 373. Key Periods and Movements, Literature: Archetypal Criticism (4)
- Humanities 374. Key Periods and Movements, History: The Age of Revolution (4)
- Humanities 481. Independent Study in Literature (4)
- Humanities 482. Independent Study in History (4)
- Humanities 483. Independent Study in Philosophy (4)
- Humanities 484. Independent Study in Music (4)
- Humanities 485. Independent Study in Art (4)

B. Category 2: Study in Related Disciplines (12–16 units). Select from the following three or four courses in at least two different disciplines from the major discipline (Category 1):

- Humanities 340. Evolution of Human Culture (4)
- Humanities 341. The Rational Perspective (4)
- Humanities 342. The Para-rational Perspective (4)
- Humanities 343. The Autonomous Individual (4)
- Humanities 344. The Individual and Society (4)
- Humanities 345. Non-Western World (4)
- Humanities 346. Alienation, Estrangement and Sub-Cultures (4)
- Humanities 347. World Religious Perspectives (4)
- Humanities 348. Values and Morality in Twentieth Century Thought (4)
- Humanities 350. Key Individuals, Art: Frank Lloyd Wright (4)
- Humanities 351. Key Individuals, Music: Beethoven (4)
- Humanities 352. Key Individuals, Philosophy: Rousseau (4)
- Humanities 353. Key Individuals, Literature: Hemingway and Faulkner (4)
- Humanities 354. Key Individuals, History: Carnegie, Rockefeller, Ford (4)
- Humanities 356. Nobel Laureates: Studies in Modern World Literature (4)
- Humanities 370. Key Periods and Movements, Art: Contemporary Art (4)
- Humanities 371. Key Periods and Movements, Music: Baroque Music (4)
- Humanities 372. Key Periods and Movements, Philosophy: Biblical Movement (4)
- Humanities 373. Key Periods and Movements, Literature: Archetypal Criticism (4)
- Humanities 374. Key Periods and Movements, History: The Age of Revolution (4)
- Humanities 481. Independent Study in Literature (4)
- Humanities 482. Independent Study in History (4)
- Humanities 483. Independent Study in Philosophy (4)
- Humanities 484. Independent Study in Music (4)
- Humanities 485. Independent Study in Art (4)
- Humanities 486. Independent Study in Interdisciplinary Topics (4)

(Continued on the following page)

Phase III: Final Project (3-9 units)

A. Choose one of the following:

- Humanities 491. Final Project: Thesis (6-9)
- Humanities 492. Final Project: Three Integrative Papers (3)
- Humanities 493. Final Project: Extended Essay (5)
- Humanities 494. Creative Project: (6-9)

Electives: Additional courses ("electives") must be taken if final project does not give student a total of 45 units. These units may include courses in the Humanities Encounters series (Hum. 320-324) or Hum. 330, Research Methods.

COURSE OFFERINGS IN HMA EXTERNAL DEGREE PROGRAM

For a description of the 300-level courses that can be used in the HMA Program, consult the course offerings in the undergraduate HBA Program.

- 401. DEFINING THE HUMANITIES: HISTORY (2).** Advanced study of the nature of history by examination of the Bolshevik Revolution.
- 402. DEFINING THE HUMANITIES: LITERATURE (2).** Advanced study of the nature of literature by examination of images of self in selected poems and novels.
- 403. DEFINING THE HUMANITIES: MUSIC (2).** Advanced study of music, focusing on concepts of meaning and form in music at a philosophical rather than theoretical level. The ability to read music not required.
- 404. DEFINING THE HUMANITIES: ART (2).** Advanced study of key concepts in art by focusing on aesthetics and art theory.
- 405. DEFINING THE HUMANITIES: PHILOSOPHY (2).** Advanced study of key concepts of philosophy by focusing on contemporary issues and conflicts and their analogues in traditional philosophical readings.
- 481. INDEPENDENT STUDY IN LITERATURE (4).*** Individually designed faculty-guided study of a topic in literature. *Prerequisite: consent of instructor and program coordinator.*
- 482. INDEPENDENT STUDY IN HISTORY (4).*** Individually designed faculty-guided study of a topic in history. *Prerequisite: consent of instructor and program coordinator.*
- 483. INDEPENDENT STUDY IN PHILOSOPHY (4).*** Individually designed faculty-guided study of a topic in philosophy. *Prerequisite: consent of instructor and program coordinator.*
- 484. INDEPENDENT STUDY IN MUSIC (4).*** Individually designed faculty-guided study of a topic in music. *Prerequisite: consent of instructor and program coordinator.*
- 485. INDEPENDENT STUDY IN ART (4).*** Individually designed faculty-guided study of a topic in art. *Prerequisite: consent of instructor and program coordinator.*
- 486. INDEPENDENT STUDY IN INTERDISCIPLINARY TOPICS (4).*** Individually designed faculty-guided study in an interdisciplinary topic. *Prerequisite: consent of instructor and program coordinator.*
- 491. FINAL PROJECT: THESIS (6, 7, 8, 9).** An individually planned project based on coursework taken in the program and involving basic research in a single discipline or on an interdisciplinary topic. *Prerequisite: Completion of Phases I and II and consent of instructor and program coordinator.*

* Repeatable course.

- 492. FINAL PROJECT: THREE INTEGRATIVE ESSAYS (3).** Three short integrative papers, each from the perspective of a different discipline while dealing with a common theme. *Prerequisite: completion of Phases I and II and consent of instructor and program coordinator.*
- 493. FINAL PROJECT: EXTENDED ESSAY (5).** An individually planned extended essay (longer than a typical term paper but less lengthy than a thesis) on a subject related to coursework taken in the program; unlike a thesis, it is not bound for library use. *Prerequisite: completion of Phases I and II and consent of instructor and program coordinator.*
- 494. CREATIVE PROJECT (6, 7, 8, 9).** An individually planned project of a creative nature (e.g. poetry, paintings, musical composition), serving as a culminating experience to the program; available only to students who have demonstrated the ability to do creative work at the graduate level. *Prerequisite: completion of Phases I and II and consent of instructor and program coordinator.*

* Repeatable course.

MASTER OF SCIENCE DEGREE IN MARRIAGE, FAMILY, AND CHILD COUNSELING

(School of Social and Behavioral Sciences)

Members of the Marriage, Family, and Child Counseling Committee:

Coordinator: Hal Charnofsky, Ph.D., Professor (Sociology)

Professors: Hymen Goldman, Ed.D. (Education and Director of Community Health Programs); M. Milo Milfs, Ed.D. (Education and Psychology); David Nasatir, Ph.D. (Behavioral Science); G. Peter Paulhe, Ph.D. (Behavioral Science and Sociology)

Associate Professor: Anne Peters, Ph.D. (Sociology)

Assistant Professor: Aaron Haas, Ph.D. (Psychology)

The Master of Science Degree in Marriage, Family and Child Counseling is a joint offering of the Behavioral Science Graduate Program, which administers the degree, and of the Departments of Psychology and Sociology.

The program is aimed at providing an eclectic approach to marriage, family, and child counseling within which students may specialize according to their interests and abilities. It will also prepare students to take the examination for the MFCC license offered by the Board of Behavioral Science Examiners of the State of California.

This two-year, eighty-unit degree program will complement extensive academic classroom experiences in the study of theories and techniques of MFCC counseling with practical, supervised internship aimed at satisfying many, if not most, of the 3,000 hours required prior to eligibility for the licensing examination.

Admission

Applicants will qualify for admission to the program if they have: a) completed both the Graduate Record Examination Aptitude Test and the Advanced Test in either psychology or sociology, with a ranking at a percentile to be determined on the basis of early experiences with students and the program; b) completed a B.A. degree from an accredited college or university; c) attained a grade point average of 3.0 (B) or better in the most recent 90 quarter units of work undertaken as a student.

Those meeting the minimum requirements will be asked to submit written statements about themselves, their reasons for applying to the program, and the nature of their objectives in pursuing the MFCC degree. These statements will be reviewed by an admissions committee which will then interview each candidate, the content, extent, and format of the interview to be decided by the committee.

The admissions committee will be composed of four faculty members, one from the Behavioral Science Graduate Program, one from the Department of Psychology, one from the Department of Sociology, and the Coordinator of the MFCC program.

Classification

A student must become classified in the MFCC Masters Program in order to take qualifying examinations. To become classified, a student must complete 20 graduate units of course work with a GPA of 3.0 or better within three quarters after admission to the program and must include the MFCC core courses listed below:

- BEH 443. Seminar in Marriage, Family, and Child Counseling (4)
- †BEH 444. Theories of Marriage, Family, and Child Counseling (4)
- BEH 460. Legal and Ethical Aspects of Counseling (4)

Advancement to Candidacy

Candidacy status denotes successful completion of a significant portion of a student's graduate program. A student must be advanced to candidacy before enrolling in the MFCC Test Preparation course. Successful completion of a written qualifying examination will be prerequisite for advancement to candidacy along with a positive review of all graduate work by a faculty review committee. In addition to acceptable academic performance, the student must submit three letters of recommendation from faculty members teaching in the program.

Requirements for the Master of Science Degree in Marriage, Family and Child Counseling

1. Eighty (80) quarter units, distributed as follows:
 - A. *One course* from each of the following course *categories* will be *required* for successful completion of the program (*except for Internship, see i. below*).
 - a. *Applied Psychotherapeutic Techniques*
 - b. *Theories of Marriage and Family Counseling*
 - c. *Communication*
 - d. *Psychopathology*
 - e. *Human Growth and Development*
 - f. *Human Sexuality*
 - g. *Professional Ethics and Law*
 - h. *Cross Cultural Mores and Values*
 - i. *Internship*
 - j. *Research Methods*
 - k. *Psychometrics*
 - l. *Family Dynamics*

The courses currently offered or being developed at California State University Dominguez Hills that satisfy the above requirements are as follows:

- a. *Applied Psychotherapeutic Techniques:*
 - * Behavioral Science 443. Seminar in Marriage and Family Counseling (4)
- b. *Theories of Marriage and Family Counseling:*
 - * Behavioral Science 444. Theories of Marriage and Family Counseling (4)
- c. *Communication*
 1. Psychology 469. Interpersonal Process (4)
 2. Sociology 450. Seminar in Interaction Processes (4)
 3. Behavioral Science 430. Studies in Human Communication (4)
- d. *Psychopathology:*
 - Psychology 463. Seminar in Psychopathology (4)

(Continued on the following page)

† Currently taught under Behavioral Science 416: Special Topics; regular course to be developed.

* Core courses required of all MFCC students before classification.

- e. *Human Growth and Development*
Psychology 450. Seminar in Developmental Psychology (4)
- f. *Human Sexuality*
Behavioral Science 462. Human Sexual Behavior (4)
- g. *Professional Ethics and Law*
* Behavioral Science 460. Legal and Ethical Aspects of Counseling (4)
- h. *Cross Cultural Mores and Values*
1. Behavioral Science 411. Cross Cultural Behavior in Complex Societies (4)
2. Sociology 460. Seminar in Sociology of Ethnic and Race Relations (4)
- i. *Internship and Practicums*
Behavioral Science 496. Supervised Internship (4), repeated each of six (6) quarters, for (24 units)
- j. *Research Methods*
1. Psychology 435. Advanced Research Methods (4)
2. Sociology 405. Seminar in Research Methods (4)
3. Behavioral Science 414. Seminar in Research Methods (4)
- k. *Psychometrics*
Psychology 467. Individual Assessment (4)
- l. *Family Dynamics*
Sociology 418. Seminar in Marriage and the Family (4)
- m. *Elective Courses to Complete required 80 units:*

Any of the alternative choices listed above under categories c, h, and j may be used to satisfy total units required, or choices may be made from among the following: (choose a total of three (3), no more than two (2) from any Department)

Behavioral Science

- Behavioral Science 442. Marriage and Family Education (4)
- † Behavioral Science MFCC Test Preparation (4)

Psychology

- Psychology 464. Advanced Clinical Methods (4)
- Psychology 465. Psychology of Clinical Groups (4)
- Psychology 470. Community Psychology: Current Theory and Issues (4)

Sociology

- Sociology 426. Seminar in Medical Sociology (4)
- Sociology 461. Seminar in Aging: Minorities and Special Groups (4)
- Sociology 465. Seminar in Deviant Behavior (4)

2. Completion of the following:
 - A. Written qualifying exams (before advancement to candidacy)
 - B. Final oral exam (after completion of all course work)
3. A grade point average of 3.0 or better in all courses taken to satisfy the requirements for completion of the degree.

Sample Program for MFCC Degree

<i>1st Year</i>	<i>Courses</i>	<i>Internship/Practicum</i>
1st quarter	12 units	2 + 2
2nd quarter	8 units	2 + 2
3rd quarter	8 units	2 + 2
 <i>2nd Year</i>		
1st quarter	12 units	2 + 2
2nd quarter	8 units	2 + 2
3rd quarter	8 units	2 + 2
	56 units	24 = 80 units
	plus	

* Core courses required of all MFCC students before classification.

† Currently taught under Behavioral Science 416: Special Topics; regular course to be developed.

MATHEMATICS

(School of Natural Sciences and Mathematics)

COURSE OFFERINGS IN MATHEMATICS

Graduate Professional

- 742. FUNDAMENTALS OF ELEMENTARY MATHEMATICS (4).** The cardinal number concept and related operations, set theory and mappings, systems of numeration, and the real number system. F(d), W(d), S(d).

MASTER OF SCIENCE DEGREE IN MEDICAL TECHNOLOGY *

EXTERNAL DEGREE PROGRAM

(School of Natural Sciences and Mathematics)

Chairperson: James L. Welch, D.H.Sc., M.P.H., Associate Professor

Additional Medical Technology Adjunct Faculty listed on page 477.

The Master of Science in Medical Technology is an external degree program open only to licensed California Clinical Laboratory Technologists and/or registered Medical Technologists. The goal of the Program is to meet professional development needs of medical technologists. Through a series of core courses required of all students, the curriculum emphasizes administrative skills, clinical and technical expertise and educational instructional techniques in medical technology. Option courses provide concentration reinforcement in a particular area of interest.

The Program is designed to be completed in a minimum of 6 quarters (1½ years) at site-locations convenient to major interest groups.

COURSE REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE IN MEDICAL TECHNOLOGY

I. Core Courses (*Required of all students*):

- Education 310. Motivation and Learning (4)
- Medical Technology 401. Health Care Delivery I (4)
- Medical Technology 402. Laboratory Management Concepts (4)
- Medical Technology 403. Data Processing in the Clinical Laboratory (4)
- Medical Technology 404. Quality Assurance in the Clinical Laboratory (4)
- Medical Technology 498. Thesis Project (4-6), *or*
- Medical Technology 499. Review for Comprehensive (1)

II. Options (*Select one of the following*):

- A. *Clinical Laboratory Management* (Required Courses—16 units):
 - Medical Technology 410. Health Care Delivery II (4)
 - Medical Technology 412. Medical Personnel Management (4)
 - Medical Technology 414. Advanced Data Collection and Control Technology (4)
 - Medical Technology 416. Budgeting for Health Care Institutions (4)

(Continued on the following page)

* For specific External Degree information concerning admission, fees, graduation, and other policies and procedures, contact the Chairperson, listed on this page.

- B. *Clinical Sciences* (Required Courses—16 units):
 Medical Technology 420. Clinical Bacteriology (4)
 Medical Technology 422. Biochemical Correlations of Clinical Tests (4)
 Medical Technology 424. Interpretive Hematology (4)
 Medical Technology 426. Component and Transfusion Therapy (4)
- C. *Immunohematology and Blood Transfusion* (Required Courses—16 units):¹
 Medical Technology 430. Tutorial Immunohematology Quarter I (1)
 Medical Technology 432. Tutorial Immunohematology Quarter II (1)
 Medical Technology 434. Tutorial Immunohematology Quarter III (1)
 Medical Technology 436. Tutorial Immunohematology Quarter IV (1)
 Medical Technology 438. Immunohematology and Blood Transfusion (12)
- D. *Clinical Laboratory Practice* (Required Courses—16 units):²
 Medical Technology 321. Correlations in Clinical Bacteriology (2)
 Medical Technology 322. Correlations in Clinical Chemistry (3)
 Medical Technology 323. Correlations in Clinical Hematology (2)
 Medical Technology 324. Correlations in Clinical Immunohematology (1)
 Medical Technology 325. Correlations in Clinical Parasitology (1)
 Medical Technology 326. Correlations in Clinical Serology (1)
 Medical Technology 327. Correlations in Clinical Urinalysis (1)
 Medical Technology 328. Correlations in Clinical Special Procedures (1)
 Medical Technology 428. Clinical Diagnosis (4)
- E. *Education* (Required Courses—16 units):³
 Education 401. Evaluation and Program Monitoring in Education (4)
 Education 410. Seminar in Instructional Technology (4)
 Education 412. Teaching Methods and Materials for Medical Technology (4)
 Medical Technology 428. Clinical Diagnosis (4)

III. Electives:

In addition to the core required courses and option required courses, approved course work must be taken to total a minimum of 45 quarter units.

COURSE OFFERINGS IN MEDICAL TECHNOLOGY

- 401. HEALTH CARE DELIVERY I (4).** Analysis of the current status and problems in health care delivery including management, staffing and health economics; development of a realistic model. Interrelationship of health care institutions. *Prerequisite: Medical Technology 101.*
- 402. LABORATORY MANAGEMENT CONCEPTS (4).** Managerial function, organization, and structure in the clinical laboratory. A pragmatic approach to the strategies and tactics available to the professional manager. Special projects in work sampling, workload recording. *Prerequisite: Medical Technology 101.*
- 403. DATA PROCESSING IN THE CLINICAL LABORATORY (4).** Collection, storage and retrieval of data, with emphasis on automated laboratory operations. Modern information systems and evaluation of such systems from the laboratory management viewpoint. Lectures, demonstrations, terminal use as appropriate at site-locations.

¹ Only those students accepted into one of the AMA approved AABBS Schools of Blood Banking affiliated with the University may be admitted into the program under this option. These students must apply independently to the Blood Banking Schools.

² Only those students accepted into an AMA accredited medical technology training program at a clinical facility affiliated with the University may be admitted into the program under this option. These students must apply independently to the training programs.

³ Graduates of the program who have completed this option with appropriate elective course work are eligible for the Community College Instructor Credential in Health and Physical Care Services and Related Technologies.

- 404. QUALITY ASSURANCE IN THE CLINICAL LABORATORY (4).** Lectures and discussions on factors involved in the advanced applications of quality assurance. Problem solving in quality assurance in the various specialties of the clinical laboratory. Presentation of statistical methods related to quality assurance procedures. Practical utilization of statistical quality control. *Prerequisite: Mathematics 150 or equivalent.*
- 410. HEALTH CARE DELIVERY II (4).** Socio-economics and statistics of health care, including governmental programs, legislative trends, third-party insurance and welfare programs, and other areas that may affect the management of the modern health care facility. *Prerequisites: Medical Technology 401 and 402.*
- 412. MEDICAL PERSONNEL MANAGEMENT (4).** Personnel administration in health care institutions; theory of individual and group dynamics including cross-cultural influences, relating to personnel in the health care field. *Prerequisites: Medical Technology 401 and 402.*
- 414. ADVANCED DATA COLLECTION AND CONTROL TECHNOLOGY (4).** Advanced computer programming for laboratory instruments, interfacing, data transmission. Programming as applied to clinical data. Data collection and instrument control. *Prerequisites: Medical Technology 403 and 404.*
- 416. BUDGETING FOR HEALTH CARE INSTITUTIONS (4).** Language and current methodologies of budgeting in the health care field. Analysis and measurement of costs and benefits, evaluation and financial decision making as applied to the health care industry. *Prerequisites: Medical Technology 401 and 402.*
- 420. CLINICAL BACTERIOLOGY (4).** Topics of current interest in medical microbiology in which there have been recent changes and developments. Presentations and demonstrations by staff and guest lecturers will be followed by group discussions. Reviews, comparisons, and evaluations of new microbiological methods with conventional procedures. *Prerequisite: Course equivalent to Biology 325 at CSUDH.*
- 422. BIOCHEMICAL CORRELATIONS OF CLINICAL TESTS (4).** Discussions on the theoretical basis for clinical tests and the biochemical implications to the pathology involved. Topics include the normal and abnormal metabolic pathways involved, chemical factors influencing the test procedures, and clinical significance of the assay results. Advanced topics of metabolism related to the clinical problems discussed. *Prerequisites: Courses equivalent to Chemistry 250, 252, and 256 at CSUDH.*
- 424. INTERPRETIVE HEMATOLOGY (4).** Emphasis on topics of current interest and advances in hematology. Individual research projects with unknowns. Demonstrations. *Prerequisite: Course equivalent to Biology Medical Technology at CSUDH.*
- 426. COMPONENT AND TRANSFUSION THERAPY (4).** A discussion of the newer techniques in practical blood banking, the solution of problems encountered in the blood bank, and the application of new knowledge of blood banking procedures. *Prerequisite: Course equivalent to Biology Medical Technology at CSUDH.*
- 428. CLINICAL DIAGNOSIS (4).** By use of case studies, interpretation of clinical data, correlation with history and physical to diagnosis, treatment and follow-up protocol. Student case study investigation. *Prerequisite: Completion of all other required Clinical Laboratory Practice Option courses or equivalent.*
- 430. TUTORIAL IMMUNOHEMATOLOGY QUARTER I (1).** Psychomotor and cognitive skills applied to immunohematology and blood transfusion as defined by the American Association of Blood Banks. Resolution of transfusion related problems. *Prerequisite: Admission to an AMA Accredited SBB School affiliated with the University.*

- 432. TUTORIAL IMMUNOHEMATOLOGY QUARTER II (1).** Continuation of Medical Technology 430. *Prerequisite: Medical Technology 430.*
- 434. TUTORIAL IMMUNOHEMATOLOGY QUARTER III (1).** Continuation of Medical Technology 430 and 432. *Prerequisite: Medical Technology 430 and 432.*
- 436. TUTORIAL IMMUNOHEMATOLOGY QUARTER IV (1).** Continuation of Medical Technology 430, 432 and 434. *Prerequisite: Medical Technology 430, 432 and 434.*
- 438. IMMUNOHEMATOLOGY AND BLOOD TRANSFUSION (12).** Conclusion of SBB training with written and practical evaluations covering didactic and clinical evaluations.
- 440. APPLICATIONS IN CLINICAL BIOCHEMISTRY (4).** Theoretical basis and clinical application of spectrophotometry (UV, Vis, IR), fluorometry, gas chromatography, mass spectrometry, flame photometry, atomic absorption, radioimmunoassay, competitive protein binding, and enzyme immunoassay. *Prerequisites: Courses equivalent to Chemistry 250, 252 and 256 at CSUDH.*
- 442. BIOCHEMISTRY OF HORMONES (4).** Mechanisms of hormonal action. The biosynthesis and metabolism of individual hormones, their effects on body metabolism, and principal methods of assay. *Prerequisites: Courses equivalent to Chemistry 250, 252, and 256 at CSUDH.*
- 444. IMMUNOCHEMISTRY (4).** The principles and application of immunochemistry, as currently understood, to clinical laboratory procedures will be demonstrated whenever possible.
- 446. SEMINARS ON SELECTED TOPICS IN TOXICOLOGY (4).** Review of current literature, research, and clinical techniques involved dealing with selected topics in toxicology, such as various classes of drugs, heavy metals, other poisons. *Prerequisites: Courses equivalent to Chemistry 250, 252, and 256 at CSUDH; Medical Technology 422 or consent of instructor.*
- 450. MEDICAL MYCOLOGY IN THE CLINICAL LABORATORY (4).** Discussions will include newer developments in the taxonomy, physiology, processing and identification of fungi of immediate, practical value to the clinical laboratory and for effective therapy. Demonstrations and diagnostic problems will be presented by staff and guest lectures. *Prerequisite: Course equivalent to Biology 325 at CSUDH.*
- 452. TOPICS IN MEDICAL PARASITOLOGY (4).** Lectures and demonstrations covering advanced techniques and topics of current interest in diagnostic parasitology. *Prerequisite: Course equivalent to Biology 358 at CSUDH.*
- 454. MEDICAL VIROLOGY.** Reviews changes in the classification of viruses, oncogenic theories and preferred as well as recently developed procedures used in the cultivation, assay and analysis of animal viruses. *Prerequisite: Course equivalent to Biology 325 at CSUDH.*
- 460. REVIEW OF ADVANCED IMMUNOLOGY (4).** Review of immunologic theory. Demonstrations and discussions in experimental immunology. *Prerequisite: Course equivalent to Biology 326 at CSUDH.*
- 462. SEMINAR ON NEWER TECHNIQUES IN IMMUNOLOGY AND SEROLOGY (4).** Discussions and demonstrations of newer methods in the field of immunology; mechanisms of the immune response; serologic determination of auto-immune diseases; practical correlations with immunopathology. *Prerequisite: Course equivalent to Biology 326 at CSUDH.*
- 464. IMMUNOGENETICS (4).** Emphasis of fundamental studies involving genetic and immunologic principles and techniques. Literature survey of applications of immunogenetics to the clinical laboratory.

- 466. IMMUNOHEMATOLOGY AND HEMOTHERAPY (4).** Blood group systems, incidence of blood group factors, inheritance, serologic reactivity and relationships of factors to transfusion and hemolytic disease of the newborn. *Prerequisites:* Course equivalent to Medical Technology 229 at CSUDH; Medical Technology 426 or recent blood banking experience.
- 470. ERYTHROCYTE BIOCHEMISTRY AND ERYTHROPOIESIS (4).** Biochemical pathways in erythrocytes and leukocytes, with special emphasis on the hereditary and environmental factors affecting normal metabolism. The biochemical factors involved in erythropoiesis and in aberrations from the normal functioning of this process. *Prerequisites:* Courses equivalent to Chemistry 250, 252, and 256 at CSUDH; Medical Technology 422 recommended.
- 476. CLINICAL CORRELATIONS OF HISTOPATHOLOGY (4).** Analysis of laboratory data correlated with tissue pathology and disease. *Prerequisites:* Courses equivalent to Chemistry 250, 252, and 256 at CSUDH.
- 498. THESIS PROJECT (4-6).** Clinical laboratory research and writing of thesis for the master's degree. Topic of research to be approved and supervised by a graduate advisor. A minimum of four units are required for the thesis project. *Prerequisites:* Department approval of advisor and student; advancement to Candidacy; completion of all required core courses.
- 499. REVIEW FOR COMPREHENSIVE (1).** Candidates must successfully pass the one comprehensive examination given in this course within one quarter of completing all other graduation requirements. *Prerequisites:* Advancement to Candidacy; completion of all required core courses.



MASTER OF ARTS IN PSYCHOLOGY

(School of Social and Behavioral Sciences)

Chairperson: Fred M. Shima, Ph.D., Associate Professor

Professors: Jack Adams, Ph.D.; Lisa Gray-Shellberg, Ph.D.; George D. Marsh, Ph.D.; M. Milo Milfs, Ed.D.; Harvey Nash, Ph.D.; Eleanor B. Simon, Ph.D.; Quentin C. Stodola, Ph.D.

Associate Professors: Antonia M. Bercovici, Ph.D.; Diane Henschel, Ph.D.; Beverly B. Palmer, Ph.D.; Sandra Wilcox, Ph.D.

Assistant Professors: Arthur C. Bohart, Ph.D.; Stasys G. Danis, Ph.D.; Larry R. Decker, Ph.D.; Deborah Sears Harrison, Ph.D.; Aaron Hass, Ph.D.; Larry D. Rosen, Ph.D.; Judy Todd, Ph.D.

Option Coordinators: General Psychology Option: Eleanor B. Simon

Clinical-Community Psychology Option: Judy Todd

The Master of Arts in Psychology program includes two options: 1) Clinical-Community Psychology, and 2) General Psychology. The description and requirements for these options are included below. Inquiries about each option should be directed to the coordinator of the specific option in the Psychology Department.

CLINICAL-COMMUNITY PSYCHOLOGY OPTION

The Master of Arts Degree in Psychology with an option in Clinical-Community Psychology is designed to meet the professional needs of college graduates who plan careers in community mental health or who are already employed as paraprofessionals and desire to further their education and opportunities for advancement. The program emphasizes both clinical and community psychology as they are applied within a community mental health framework. The student is offered a unique opportunity to obtain solid academic knowledge of clinical-community psychology coupled with extensive supervised experience in the application of the knowledge.

In this program the student is required to complete 45 units of credit, including 17 units (approximately 1000 hours) of internship in a clinical setting within the community. The 17 units of internship may be taken over a one or two year period to be determined in consultation between student and faculty advisor. In addition, the student must successfully complete a written comprehensive examination.

Admission to the Clinical-Community Psychology Option

1. Bachelor's degree or equivalent from a fully accredited institution.
2. Completion of GRE¹ (quantitative and verbal, and advanced test in psychology).
3. B average in the last 90 quarter units attempted (excluding extension units).
4. Successful completion (B average) of the following undergraduate courses or their equivalent:
 - a. Psychology 130. Elementary Statistical Analysis in Psychology (4)
 - b. Psychology 135. Introduction to Research Methods (4)
 - c. Psychology 263. The Abnormal Personality (4)
 - d. Five courses from the following groups, of which at least *three* must be taken from Group A:

Group A

- Psychology 231. Measurement in Psychology (4), *or*
- Psychology 230. Behavioral Statistics (4)
- Psychology 264. Introduction to Clinical Psychology (4), *or*
- Psychology 265. Introduction to Counseling Theories (4)
- Psychology 240. Social Psychology (4)
- Psychology 260. Theories of Personality (4)
- Psychology 250. Developmental Psychology (4), *or*
- one course in life-span development

Group B

- Psychology 270. Community Psychology (4)
- Psychology 276. Psychology of Female Identity (4)
- Psychology 281. Psychology of the Mexican American (4)
- Psychology 283. Psychology of the Black Experience (4)
- Sociology 212. Urban Community (4)
- Political Science 218. Public Policy Choices: Distribution of Wealth (4)

5. Three letters of recommendation.
6. A personal interview may be required.
7. Where there are more students eligible for admission than there are positions open in the program, selection for admission will be made by a faculty committee on the basis of community experience and commitment to community work.
8. Special consideration concerning the waiving of some of the above requirements is possible (e.g., if the student has had extensive previous experience in the community or clinical area).

REQUIREMENTS OF THE CLINICAL-COMMUNITY PSYCHOLOGY OPTION

1. A total of 45 units at the graduate level, including 17 units of internship, are required for the Master's degree. The required courses are:
 - Psychology 435. Advanced Research Methods (4)
 - Psychology 463. Seminar in Psychopathology (4)
 - Psychology 464. Advanced Clinical Methods (4)
 - Psychology 466. Individual Intellectual Assessment (4)
 - Psychology 467. Individual Personality Assessment (4)
 - Psychology 470. Community Psychology (4)
 - Psychology 471. Internship in Community Psychology (2-5)

(Continued on the following page)

One course chosen from the following:

Psychology 465. Psychology of Clinical Groups (4)

Psychology 469. Interpersonal Process (4)

2. A grade point average of 3.0 or better in all courses taken to satisfy the requirements of the degree.
3. Comprehensive written examination (a B is the minimum passing grade).

GENERAL PSYCHOLOGY OPTION

The Master of Arts Degree in Psychology with an option in General Psychology is designed to 1) give students a thorough, broad, and in-depth grounding in all of the major areas of Psychology to prepare students for continuing their studies and training in Advanced Psychology, particularly at the Ph.D. level; 2) enable students to qualify for teaching psychology at the Community College level; 3) prepare students for jobs which entail preparation of research proposals, evaluation of research, etc., and 4) provide a foundation for entering other advanced professional programs (e.g., law, dentistry, education.)

In this option the student is required to complete 45 units of credit, including courses in all of the major areas of psychology (Learning, Physiological Psychology, Perception, Social, Developmental, Personality, and Clinical.) Underlying these areas is an understanding of research methodology. Hence, the program also includes courses in advanced statistics and research design, directed research, and the thesis. In addition, elective courses are offered.

Admission to the General Psychology Option

1. A Bachelor of Arts degree or equivalent from a fully accredited institution.
2. An upper division Grade Point Average of 3.0 (grade of "B" or better), assuming that no more than 20% of such units were taken on a pass/no credit or other grading system not involving A, B, C, D, or F grades.
3. At least 14 units of psychology undergraduate courses selected from the following (or equivalents):
 - Psychology 130. Elementary Statistical Analysis in Psychology (4)
 - Psychology 135. Introduction to Research Methods (4)
 - Psychology 230. Behavioral Statistics and Research Design (4)
 Two upper division psychology courses including laboratory work in addition to those listed.
4. Two letters of recommendation from individuals who can evaluate the student's potential for graduate school.

Classification in the General Psychology Option

Classification as a student in the General Psychology Option requires accomplishment of all the following:

1. All requirements for admission.
2. All courses listed in (3) above plus two elective upper-division psychology courses.
3. Both the Graduate Record Examination (GRE) Aptitude Test and the GRE Advanced Test in Psychology.

REQUIREMENTS OF THE GENERAL PSYCHOLOGY OPTION

1. 45 quarter units of graduate work selected as follows:
 - A. Psychology 430. Advanced Analysis of Variance and Multivariate Techniques (4)
 - B. Psychology 435. Advanced Research Methods (4)
 - C. Psychology 463. Seminar in Psychopathology (4)
 - D. *Two* of the following:
 - Psychology 410. Advanced Learning (4)
 - Psychology 416. Perceptual Processes (4)
 - Psychology 417. Seminar in Physiological Psychology (4)
 - E. *Two* of the following:
 - Psychology 440. Seminar in Social Psychology (4)
 - Psychology 450. Seminar in Developmental Psychology (4)
 - Psychology 460. Seminar in Personality (4)
 - F. Psychology 499. Thesis (Maximum of 5 units) (1-5)
 - G. 12 units of graduate level work selected with General Psychology Option Coordinator.
2. Completion of thesis.
3. A grade point average of 3.0 or better in all courses taken to satisfy the requirements for completion of the degree.

Advancement to Candidacy:

A student must be advanced to candidacy before enrolling in Psychology 499. (Thesis) (1-5). In addition to having classified status, the requirements for advancement to candidacy are the completion of:

1. Psychology 430. Advanced Analysis of Variance and Multivariate Techniques (4)
2. Psychology 435. Advanced Research Methods (4)
3. Psychology 463. Seminar in Psychopathology (4)
4. *Two* out of three:
 - Psychology 410. Advanced Learning (4)
 - Psychology 416. Perceptual Processes (4)
 - Psychology 417. Seminar in Physiological Psychology (4)
5. *Two* out of three:
 - Psychology 440. Seminar in Social Psychology (4)
 - Psychology 450. Seminar in Developmental Psychology (4)
 - Psychology 460. Seminar in Personality (4)
6. *One* other 4-unit 400 level psychology course, excluding Psychology 497. and Psychology 498.

COURSE OFFERINGS

An understanding of statistics and research methods, graduate standing, consent of instructor and graduate coordinator are prerequisite to enrollment in the following courses:

- 410. ADVANCED LEARNING (4).** An intensive study, examination, and critical analysis of contemporary theory and research in animal and human learning. *Prerequisites:* Psychology 130 or Mathematics 150; Psychology 135; Psychology 210 and 210L or Psychology 211 and 211L, or equivalent; graduate standing, and consent of instructor.
- 416. PERCEPTUAL PROCESSES (4).** Empirical and theoretical consideration of perception in terms of psychophysics, information processing, and selected topics. *Prerequisites:* Psychology 130 or Mathematics 150; Psychology 135; Psychology 216 and 216L, or equivalent; graduate standing, and consent of instructor.

- 417. SEMINAR IN PHYSIOLOGICAL PSYCHOLOGY (4).** An advanced study of the physiological correlates of psychological phenomena, including learning, motivation, emotion, sleep, and personality. *Prerequisites: Psychology 130 or Mathematics 150; Psychology 135; Psychology 217 and 217L, or Psychology 219 or equivalent; graduate standing, and consent of instructor.*
- 430. ADVANCED ANALYSIS OF VARIANCE AND MULTIVARIATE TECHNIQUES (4).** Advanced analysis of variance including multifactor randomized groups and repeated measures designs, nested designs, analysis of covariance, multiple regression, multiple discriminant function, factor analysis. *Prerequisites: Psychology 130 or Mathematics 150; Psychology 135 and Psychology 230; graduate standing, and consent of instructor.*
- 435. ADVANCED RESEARCH METHODS (4).** Advanced research methodology; including experimental design, correlational and ex post facto studies; problems in research, e.g., generalization, significance, reliability; critique of research; and philosophy of science. Will include a directed research project. *Prerequisites: Psychology 130 or Mathematics 150; Psychology 135; Psychology 230, or equivalent; Psychology 430, graduate standing and consent of instructor.*
- 440. SEMINAR IN SOCIAL PSYCHOLOGY (4).** Advanced study of theory and research in social psychology. Course will include exploration of topics such as interpersonal and group processes, social influence on behavior, attitudes, and beliefs, methodological issues, and other topics of current interest in social psychology. *Prerequisites: Psychology 130 or Mathematics 150; Psychology 135; Psychology 240 or equivalent; graduate standing, and consent of instructor.*
- 450. SEMINAR IN DEVELOPMENTAL PSYCHOLOGY (4).** Exploration and discussion of recent theoretical and research literature on topics such as early experience, intelligence vs. cognition, gerontology, imitation and social development, and research on adolescence. *Prerequisites: Psychology 130 or Mathematics 150; Psychology 135; Psychology 250 or equivalent; graduate standing, and consent of instructor.*
- 460. SEMINAR IN PERSONALITY (4).** Readings, discussion, and empirical study designed to broaden and deepen the understanding of major issues and problems in personality theory and to enhance the ability to plan, conduct, and evaluate personality research. *Prerequisites: Psychology 130 or Mathematics 150; Psychology 135; Psychology 260 or equivalent; graduate standing, and consent of instructor.*
- 463. SEMINAR IN PSYCHOPATHOLOGY (4).** Intensive analysis of theory and research in psychopathology. Various orientations, such as behavioral, psychophysiological, psychodynamic, and existential will be explored. *Prerequisites: Graduate standing, Psychology 263, and consent of instructor.*
- 464. ADVANCED CLINICAL METHODS (4).** Course will include the more traditional models of individual psychotherapy as well as community oriented treatment modalities, such as crisis intervention, suicide prevention, and telephone counseling. *Prerequisites: Graduate standing and one of the following: Psychology 263, 264, 265, or 463, and consent of instructor.*
- 465. PSYCHOLOGY OF CLINICAL GROUPS (4).** Exploration of different approaches to therapeutic intervention on a group level. Course will include an experiential laboratory component where students will have experience in leading groups using different theoretical orientations. *Two hours of lecture and two hours of laboratory per week. Prerequisites: Graduate standing and consent of instructor.*

- 466. INDIVIDUAL INTELLECTUAL ASSESSMENT (4).** Techniques for administering, analyzing, and interpreting individual intellectual tests (such as the Wechsler and the Stanford-Binet) and psychomotor tests. Intensive supervised practice in administering tests will be provided. *Two hours of lecture, two hours of laboratory, and field work by arrangement. Prerequisite: Graduate standing, Psychology 231, and consent of instructor.*
- 467. INDIVIDUAL ASSESSMENT (4).** Study of techniques for administering, analyzing, and interpreting personality tests and reporting test results. Supervised intensive practice in administering tests will be provided. *Two hours of lecture with two hours of laboratory and field work by arrangement. Prerequisite: Graduate standing, Psychology 463, 470, and consent of instructor.*
- 469. INTERPERSONAL PROCESS (4).** Conceptual and experimental study of response modalities, such as advisement, question and self-disclosure, common to psychotherapy and everyday interaction. The course will emphasize the intent and consequences of the different modalities. Students will be asked to analyze simulated clinical interactions and discuss their implications. *Two hours of lecture and two hours of laboratory per week. Prerequisite: Graduate standing, Psychology 263 or 463, and consent of instructor.*
- 470. COMMUNITY PSYCHOLOGY: CURRENT THEORY AND ISSUES (4).** Theory of the interaction between individual functioning and social system variables with emphasis on the changing role of the community mental health specialist and the community psychologist. *Prerequisite: Graduate standing, Psychology 263 or 270, and consent of instructor.*
- 471. INTERNSHIP IN COMMUNITY PSYCHOLOGY (2-5).** [One unit of credit for every six hours of internship.] Supervised experience in community mental health agencies each quarter, under an agency supervisor and a faculty liaison supervisor. *Prerequisite: Graduate standing in clinical/community psychology and consent of instructor.*
- 483. SEMINAR IN THE BLACK EXPERIENCE (4).** Critique of current psychological theory, practices, and research in relation to the Black personality. Exploration and development of alternatives in areas where traditional psychology is lacking. Students participate in joint or individual research projects. *Prerequisite: Graduate standing and consent of instructor (Psychology 283 recommended).*
- 497. DIRECTED RESEARCH (2 or 4).** Students will design and conduct research projects under the direct supervision of the instructor. *Prerequisite: Classified graduate standing.*
- 498. DIRECTED READING (2 or 4).** Assignment of a reading list formulated under the supervision of the instructor. *Prerequisite: Classified graduate standing.*
- 499. THESIS (1-5).** Thesis. *Prerequisite: Advancement to candidacy in the General Psychology Option.*

MASTER OF PUBLIC ADMINISTRATION

(School of Management)

Program Coordinator: R. Kenneth Fleagle, D.P.A., Associate Professor

Graduate Advisors: Steven W. Hays, Ph.D., Associate Professor; T. Zane Reeves, Ph.D., Associate Professor; Ira S. Schoenwald, Ph.D., Assistant Professor; Jeffrey W. Smith, M.B.A., Assistant Professor

The Master of Public Administration (M.P.A.) program is designed to prepare graduate students for professional careers in public service, research, consulting, and teaching. The program exposes the student to the theories and practices of public administration by classroom work and on-the-job experience through an internship. The program is open to full-time and part-time students, immediate post-baccalaureate students, and persons who are presently public administration practitioners and are seeking to further their education. The department of Public Administration is a member of the National Association of Schools of Public Affairs and Administration (NASPAA).

ADMISSION TO THE PROGRAM

All applicants to the M.P.A. program must submit a completed application for admission to graduate standing at California State University Dominguez Hills, and transcripts of all previous college-level work in accordance with the procedures outlined in the Admission section of this catalog. To be admitted directly to classified standing in the M.P.A. program, an applicant must achieve:

- a. A grade-point average of at least 3.25 in the last 90 quarter units of undergraduate courses from an accredited institution, excluding extension courses; *or*
- b. A combined score of 950 on the Verbal and Quantitative sections of the Graduate Record Examination (GRE) general aptitude test.

Students may, however, be admitted conditionally to the M.P.A. program if they have achieved a grade point average of between 2.75 and 3.24 in the last 90 quarter units of undergraduate courses, as above. Such students may continue in the program and achieve classified standing if they:

- a. Earn a grade-point average of at least 3.3 in the first eight or more units of graduate level courses taken in the department; *or*
- b. Score at least 950 on the Verbal and Quantitative sections of the GRE. The score on the GRE must be submitted prior to the end of the student's second quarter of enrollment in the M.P.A. program.

REQUIREMENTS FOR THE MASTER OF PUBLIC ADMINISTRATION DEGREE

1. Satisfactory completion of 48 quarter units.

(A basic course in statistics is a prerequisite to the program and academic deficiencies in this area should be made up either before, or soon after, entering the M.P.A. program. Graduate credit will not be allowed for courses taken to make up academic deficiencies.)

2. Of the required 48 quarter units for the degree, a minimum of 24 quarter units must be in graduate-level courses.
3. Satisfactory completion of the following core curriculum (28 units):
 - Business Administration 471. Introduction to Information Systems (4)
 - Public Administration 400. Environment of Public Administration (4)
 - Public Administration 401. Theory and Practice of Public Management (4)
 - Public Administration 403. Management of Public Organizations (4)
 - Public Administration 407. Analytical Methods in Public Administration (4)
 - Public Administration 410. Administration and Public Policy (4)
 - Public Administration 499. Integrative Seminar in Public Administration (4)
4. Satisfactory completion of 20 additional quarter units in Public Administration courses to be decided upon in consultation with the Program Coordinator.
5. An overall grade-point average of 3.0 in coursework taken for the degree.
6. Satisfactory performance on a 2-part (written and oral) comprehensive examination.

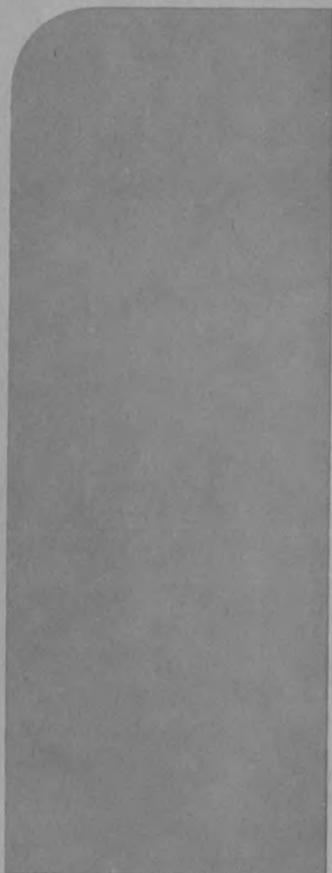
COURSE OFFERINGS

Graduate standing and consent of the Department are prerequisite to enrollment in the following courses.

- 400. ENVIRONMENT OF PUBLIC ADMINISTRATION (4).** Historical development of the field and overview of the structure, processes and environment of the administrative function in government.
- 401. THEORY AND PRACTICE OF PUBLIC MANAGEMENT (4).** Management theory; functions of the public sector executive, including personnel management and staffing, finance and budgeting; concepts and modes of authority and leadership; the planning process; motivation and control; decisionmaking and crisis management.
- 403. MANAGEMENT OF PUBLIC ORGANIZATIONS (4).** Managing complex organizations in the public sector; dynamics of groups; concepts of organizational power, authority, conflict, and change.
- 407. ANALYTICAL METHODS IN PUBLIC ADMINISTRATION (4).** Quantitative methods used in decisionmaking with special emphasis on the public sector. *Prerequisite: Mathematics 150 or a basic course in statistics.*
- 410. ADMINISTRATION AND PUBLIC POLICY ANALYSIS (4).** Application of analytical tools to the solution of public management problems; decisionmaking, public policymaking viewed as a primary organizing concept for operationalizing administration processes in government.
- 421. SEMINAR: PUBLIC MANAGEMENT (4).** Development of skills in analyzing administrative problems; evaluation and improvement of organization management, and procedures at all levels of government; cases. *Prerequisite: Public Administration 401.*
- 424. SEMINAR: PERSONNEL MANAGEMENT (4).** Selected topics in personnel management; nature and operation of public and private personnel systems; manpower planning and administration; selection, recruitment, and training; affirmative action guidelines; contemporary issues; cases. *Prerequisite: Public Administration 401.*

425. **SEMINAR: COLLECTIVE BARGAINING (4)**. Analysis of practices in public personnel administration with particular reference to developments, implications, and trends in industrial relations in the public sector; cases. *Prerequisite: Public Administration 401.*
430. **SEMINAR: URBAN ADMINISTRATION (4)**. Selected topics in urban administration; analysis of methods, processes, and problems in the administration of urban public services; cases.
440. **SEMINAR: CRIMINAL JUSTICE ADMINISTRATION (4)**. Administrative structure and operational aspects of agencies dealing with the administration of justice; organization and function of courts, police agencies, probation and parole. Selected readings in criminal justice administration; cases. *Prerequisite: Consent of instructor.*
452. **SEMINAR: PUBLIC FINANCIAL MANAGEMENT (4)**. Examination of methods, processes and problems in the administration and budgeting of public revenues; cases. *Prerequisite: Public Administration 401.*
461. **COMMUNITY HEALTH SERVICES (4)**. Organizational aspects of health care systems; analysis of public, private, and voluntary agencies at local, state, and national levels with focus on historical perspectives, roles, relationships, and trends; role of health behavior and trends in preventive care (multiphasic screening). *Prerequisite: Health Science 101 or equivalent academic and/or work experience.*
462. **HEALTH CARE ADMINISTRATION (4)**. Administrative characteristics of hospitals and health care agencies; management problems relating to current programs and program development; staffing; health economics, including health insurance; performance standards; inter-agency coordination. *Prerequisite: Health Science 101 or equivalent academic and/or work experience.*
463. **COMMUNITY HEALTH PLANNING (4)**. An examination of the planning and evaluation processes in health care delivery including an historical review of planning and evaluation agencies; analysis of the current status and problems in health and health care planning; review of techniques and methods used in partial and comprehensive planning and the development of a heuristic planning model. *Prerequisite: Health Science 101 or equivalent academic and/or work experience.*
490. **INTERNSHIP SEMINAR AND PRACTICUM (4)**. Supervised internship working with a cooperating government agency in a function germane to public administration. Seminar sessions are held to discuss and analyze the problems with which interns are concerned. A written project related to the internship is required. *Prerequisite: Consent of the Program Coordinator.*
495. **INDEPENDENT STUDY (1-4)***. Independent investigation of a research problem or directed readings in a selected area of public administration. *Prerequisite: Consent of the Program Coordinator.*
499. **INTEGRATIVE SEMINAR IN PUBLIC ADMINISTRATION (4)**. Consideration of the scope and content of public administration as an academic and practical discipline. Critical examination of current developments and issues in the literature of public administration. Should be taken prior to or in the same quarter in which the student will be taking the comprehensive examination. *Prerequisite: Completion of core curriculum and consent of program coordinator.*

* Repeatable course.



SPECIAL MAJOR (M.A./M.S.)

Program administered by the Office of the Dean of Graduate Studies

The MA/MS Special Major provides an opportunity for selected graduate students to engage in individualized courses of study leading to a graduate degree when appropriate academic and professional goals are not accommodated by standard graduate degree programs. Through this program a student is able to integrate studies from two or more departments or options within the departments, either concentrating equally or choosing one department or option within the department as a primary emphasis (i.e., majority of courses taken in it) with the other(s) as secondary.

A Special Major cannot be used in place of degree requirements of a graduate degree program already offered on campus.

A student who wishes to undertake an MA/MS Special Major should secure from the Dean of Graduate Studies and Research an application for admission to the Special Major Program and submit, with the completed application, a proposed program for the Special Major.

Students presenting such a proposal are expected to provide: (1) a written statement giving their reasons for desiring the Special Major in terms of academic and professional goals and why these goals cannot be met through completion of a standard on-campus graduate degree program, and (2) a delineation of courses which will, in their opinion, lead to the academic and professional goals stated above.

The student will select and obtain the consent of a full-time faculty member to serve as the chairperson of the Advisory Committee. The chairperson and the student will then select and obtain the consent of two additional faculty members who represent departments or other academic units included in the proposed programs.

The program of studies developed by the student and a three-member faculty committee will be approved by the coordinator(s) of the on-campus graduate degree program(s) closest in content to the student's Special Major. The proposal will then be reviewed by the Dean of Graduate Studies and Research for final approval.

Students wishing to alter their proposal after it has been approved must repeat the same review process: they need to secure the approval of their advisement committee, the approval of the appropriate graduate coordinator(s), and the Dean of Graduate Studies and Research. The administration of the program is handled by the Office of Graduate Studies and Research.

Administration of the Special Major is governed by the following additional guidelines:

1. In order to be admitted to the Special Major Program, an applicant must have:
 - a. An acceptable baccalaureate degree earned at an institution accredited by a regional accrediting association;
 - b. A grade-point average of 2.5 or better in the last 90 quarter units attempted, not including extension units, and
 - c. Been in good standing at the last college or university attended.

Exceptions to the above must be approved by the Dean of Graduate Studies and Research.

2. A student working toward the Special Major is subject to university policies for graduate study and will complete academic requirements prescribed by the University for classified standing, advancement to candidacy, and graduation.
3. The Special Major Program includes not less than 45 upper division and graduate level units approved by the Dean of Graduate Studies and Research.
4. A Special Major student must design his/her program in such a way that at least 23 units are at the 400 level.
5. Undergraduate courses should not be taken in lieu of comparable graduate courses.
6. A thesis or project, or comprehensive examination is required in partial fulfillment of the requirements for the degree in the Special Major; the selection of this is made by the student and his/her advisement committee.
7. All course work is in support of the student's major objectives as specified in the accepted program. If a student's bachelor's degree and/or background does not adequately prepare him/her for the proposed program, the student may be required to take additional prerequisite coursework.
8. The Special Major student's transcript will read MA (or MS) Special Major in (name of disciplines or appropriate title); the use of a department name(s) must first be approved by the department(s) or other academic unit.

TECHNOLOGY AND HUMAN AFFAIRS

(School of Natural Sciences and Mathematics)

Members of the Technology and Human Affairs Committee:

Chairperson: Stephen A. Book, Ph.D., Professor (Mathematics)

Additional faculty members from cooperating departments.

The subject area of Technology and Human Affairs may be selected as the area of primary emphasis within the Special Major program for the degree Master of Science. This particular program is designed for two groups of students: (1) degreed scientists and engineers employed by government, industry, and schools, and who are now more frequently called upon to deal with the "human affairs" aspects of technology, and (2) social science and humanities graduates whose work in government, business, or the media requires them to maintain close contact with personalities and developments in the technological sphere.

Criteria and procedures for admission to this program are as described elsewhere in this Catalog for the "Special Major (M.A./M.S.)," with the additional requirement that each applicant must have already taken or be willing to take the equivalent of one-year course sequences in calculus, chemistry, and physics.

Requirements for the degree Master of Science: Special Major in Technology and Human Affairs are arranged individually for each student with the Chairperson and members of the faculty advisory committee, subject to the approval of the appropriate graduate coordinator and the Dean of Graduate Studies and Research. Courses may be taken from those specifically designed for this program and from other appropriate department offerings. Consult the Chairperson of the Technology and Human Affairs for further details.

COURSE OFFERINGS IN TECHNOLOGY AND HUMAN AFFAIRS

The specialized course offerings intended specifically for this program are taught under the "special topics" designation. The specific topic for each offering is listed in the Class Schedule and on the student's transcript.

- 490. SELECTED TOPICS IN TECHNOLOGY AND HUMAN AFFAIRS (4)*.** *Prerequisite: Graduate standing and consent of instructor.*
- 495. DIRECTED STUDY (1,2,3,4).** Directed reading and research on a specific topic in the area of Technology and Human Affairs. Subject matter to be approved in advance by instructor. Units may be applied toward master's degree with a Special Major in Technology and Human Affairs. *Prerequisite: Graduate standing and consent of instructor.*

* Repeatable course.

APPENDIX

AVERAGE ANNUAL COSTS AND SOURCES OF FUNDS
PER FULL-TIME EQUIVALENT STUDENT

The 19 campuses and the Chancellor's Office of The California State University and Colleges are financed primarily through funding provided by the taxpayers of California. Including capital outlay, the CSUC 1978/79 budget totals \$840 million. Approximately \$815 million of the \$840 million total has been budgeted to provide support for a projected 237,080 full-time equivalent (FTE*) students. Excluding capital outlay, the average cost per FTE student is \$3,441 per year. Of this amount, the average student pays \$312. Included in this average student payment calculation is the amount paid by non-resident students. The remaining \$3,129 in costs is funded by state and federal taxes.

Averages do not fit all students alike or even any specific student. To arrive at an average figure that is meaningful, the costs outlined above exclude "user fees" for living expenses, housing, and parking as well as costs for extension and summer session work. Computations are based on full-time equivalent students, not individuals, and costs are prorated by system totals, not by campus. The average costs for a full-time equivalent student in the system are depicted in the following chart:

TOTAL 1978/79 CSUC BUDGET
(PROJECTED ENROLLMENT: 237,080 FTE)

<i>Funding Source</i>	<i>Amount</i>	<i>Average Cost Per Student (FTE)*</i>	<i>Percentage</i>
State Approp. (Support)	\$695,340,533 ^(a)	\$2,933	85.2%
Student Charges	73,970,331	312 **	9.1%
Federal (Financial Aids)	46,458,850	196	5.7%
State Funding (Capital Outlay)	23,873,000 ***		***
Total	<u>\$839,642,714</u>	<u>\$3,441</u>	<u>100.0%</u>

^(a) This amount will be reduced by the CSUC share of the statewide budget reductions required by Budget Act Section 27.1 (a statewide reduction of \$42,400,000 in Operating Expense and Equipment) and Section 27.2 (a statewide reduction of \$54,000,000 in personal services pursuant to the hiring freeze).

*For budgetary purposes, full-time equivalent (FTE) translates total head count into total academic student load. The term assumes that a full-time student in The California State University and Colleges is enrolled for 15 units of academic credit. Some students enroll for more than 15 units; some students enroll for fewer than 15 units.

**The average costs paid by a student include the student services fee, health facilities fee, college union fee, student body fee, and the non-resident tuition. This amount is derived by taking the total of all student fees and dividing by the total full-time equivalent student enrollment. Individual students may pay more or less than \$312 depending on whether they are part-time, full-time, resident or non-resident students.

***Not included in the Average Cost Per Student (FTE), and Percentage columns. The estimated replacement cost of all the system's permanent facilities and equipment on the 19 campuses is currently valued at \$2.6 billion, excluding the cost of land.

SCHEDULE OF FEES, 1979-80

Legal residents of California are not charged tuition. The following reflects applicable fees and nonresident tuition for both the quarter and the semester systems.

All Students

Application fee (nonrefundable), payable by cash, check, or money order at time application is made.....			\$20
Student Services fee for all campuses except California State College, Stanislaus			
	Semester	Quarter	
0 to 6.0 units	\$59	\$40	
6.1 or more units	\$74	\$50	
California State College, Stanislaus			
Fall Semester:			
0 to 6.0 units	\$50		
6.1 or more units	\$65		
Winter Term.....			
	\$18		
Facilities Fee:	\$ 3	\$ 2	

Nonresident Students (U.S. and Foreign)

Nonresident tuition (in addition to other fees charged all students) for all campuses except California State College, Stanislaus:			
Less than 15 units, per unit or fraction thereof	\$ 60	\$ 40	
15 units or more, per term	\$900	\$600	
California State College, Stanislaus:			Term
Less than 13 units, per unit or fraction thereof	\$ 60		
13 or more units, per term	\$780		

Note: The total amount of nonresident tuition charged shall not exceed \$1,800 per academic year.

Summer Session

Per summer semester unit	\$37
Per summer quarter unit.....	\$25

Note: Fees are subject to change without advance notice.

No fees of any kind shall be required of or collected from those individuals who qualify for such exemption under the provisions of the Alan Pattee Scholarship Act.

PROCEDURE FOR THE ESTABLISHMENT OF A STUDENT BODY FEE

The law governing The California State University and Colleges provides that a student body fee, not to exceed \$20 per academic year may be established by student referendum with the approval of $\frac{2}{3}$ of those students voting. The Student Body Fee was established at Cal State University Dominguez Hills by student referendum on December 17, 1965. The same fee can be abolished by a similar $\frac{2}{3}$ approval of students voting on a referendum called for by a petition signed by 20% of the regularly enrolled students. (*Education Code*, Section 89300) The level of the fee is set by the Chancellor upon recommendation by the campus. Student body fees support a variety of cultural and recreational programs, child care centers, and special student support programs.

NONDISCRIMINATION ON THE BASIS OF SEX

The California State University and Colleges does not discriminate on the basis of sex in the educational programs or activities it conducts. Title IX of the Education Amendments of 1972, as amended, and the administrative regulations adopted thereunder prohibit discrimination on the basis of sex in education programs and activities operated by California State University Dominguez Hills. Such programs and activities include admission of students and employment. Inquiries concerning the application of Title IX to programs and activities of California State University Dominguez Hills may be referred to Ms. Josephine Fay, the campus officer assigned the administrative responsibility of reviewing such matters or to the Regional Director of the Office of Civil Rights, Region 9, 760 Market Street, Room 700, San Francisco, California 94102.

NONDISCRIMINATION ON THE BASIS OF HANDICAP

The California State University and Colleges does not discriminate on the basis of handicap in violation of Section 504 of the Rehabilitation Act of 1973, as amended, and the regulations adopted thereunder.

More specifically, The California State University and Colleges does not discriminate in admission or access to, or treatment or employment in, its programs and activities. Ms. Josephine Fay, has been designated to coordinate the efforts of California State University Dominguez Hills to comply with the Act and its implementing regulations. Inquiries concerning compliance may be addressed to this person at 1100 Victoria St., Carson, CA. 90747; 515-3300.

CREDIT FOR REMEDIATION

Undergraduate students are allowed to count up to eight elective units of remedial coursework in basic mathematics and writing skills toward graduation requirements. Students will be allowed to enroll in remedial courses for baccalaureate credit only if their performance on a screening test indicates remedial work is necessary. Students are not allowed to challenge remedial courses. Remedial courses will be offered on a CR/NC basis only. For further information regarding courses which may be considered as remedial, students should consult their advisor.

FACULTY OF THE UNIVERSITY

- RAUL ACEVES (1970), *Dean, Community Programs*
B.S., 1958, University of California, Los Angeles; M.E., 1965, Loyola University; M.A., 1972, New York University, Madrid, Spain.
- JACK ADAMS (1966), *Professor of Psychology*
B.A., 1950, University of California, Berkeley; M.A., 1956, University of Hawaii; Ph.D., 1963, Claremont Graduate School.
- ROBERT L. ALT (1968), *Professor of Physics*
B.S., 1959, Capital University; M.S., 1961, Ph.D., 1968, Ohio State University.
- MILAGROS R. AQUINO (1968), *Professor of Education*
B.S., 1957, Ilocos Norte Normal School, Philippines; M.A., 1963, Philippine Normal College; M.A., 1965, Ed.D., 1967, University of California, Los Angeles.
- WILLIAM L. ARMACOST (1968), *Professor of Mathematics*
B.A., 1963, Pomona College; M.A., 1965, Ph.D., 1968, University of California, Los Angeles.
- HARBANS L. ARORA (1968), *Professor of Biological Science*
B.S., 1944, M.S., 1945, Panjab University; Ph.D., 1949, Stanford University.
- INGEBORG ASSMANN (1970), *Professor of Education*
B.A., 1950, Kant College; M.A., 1964, Montclair State College; Ph.D., 1967, University of Southern California.
- MELVIN P. AUERBACH (1978), *Assistant Professor of Business Administration*
B.A., 1966, M.S., 1975, California State University, Northridge.
- JOHN W. AULD (1968), *Professor of History*
B.A., 1962, The College of Wooster; M.A., 1964, Ph.D. 1970, Stanford University.
- ROBERT L. BAFIA (1973), *Coach*
B.A., 1971, California State University Dominguez Hills.
- JEFFERY BAHR (1976), *Assistant Professor of Business Administration*
B.S., 1973, M.S., 1976, University of Southern California.
- BERNARD W. BAKER, *Assistant Professor of Art*
B.F.A., 1966, University of Illinois; M.F.A., 1971, University of Kansas.
- CLAUDIA A. BALDWIN (1976), *Assistant Librarian*
B.A., 1971, M.L.S., 1972, University of Wisconsin.
- LINO R. BARRO (1978), *Director, Business Affairs*
B.A., 1972, California State University, Los Angeles; M.P.A., 1977, University of Southern California.
- JACK T. BELASCO (1970), *Director of Experiential Education Program and Associate Professor of Education*
B.A., 1941, University of California, Los Angeles; M.S.Ed., 1956, University of Southern California; Ed.D., 1973, University of California, Los Angeles.
- LOUIS NEWTON BELL (1970), *Senior Assistant Librarian*
B.A., 1963, Rice University; M.L.S., 1970, University of California, Los Angeles; M.A., 1974, California State University, Los Angeles.
- E. KENNETH BENNETT (1968), *Associate Librarian*
B.A., 1956, University of California, Berkeley; M.L.S., 1966, University of California, Los Angeles.
- ANTONIA M. BERCOVICI (1971), *Director, Human Services, and Associate Professor of Psychology*
B.A., 1967, M.A., 1969, Ph.D., 1972, University of California, Los Angeles.
- RICHARD BEYM (1968), *Professor of Spanish and Linguistics*
A.B., 1943, A.M., 1948, Ph.D., 1952, University of Illinois.
- MARSHALL H. BIALOSKY (1964), *Professor of Music*
B.Mus., 1949, Syracuse University; M.Mus., 1950, Northwestern University.
- FRANK V. BILLES (1972), *Associate Professor of Economics*
B.A., 1966, M.A., 1969, Ph.D., 1974, University of California, Los Angeles.
- WILLIAM R. BLISCHKE (1969), *Professor of Sociology*
B.A., 1963, University of California, Riverside; M.A., 1966, Ph.D., 1973, University of California, Berkeley.
- MARTIN R. BLYN (1969), *Dean, School of Management, and Professor of Economics and Business Administration*
B.B.A., 1961, College of the City of New York; M.B.A., 1962, Ph.D., 1966, New York University.

- ARTHUR C. BOHART (1976), *Assistant Professor of Psychology*
B.A., 1965, University of California, Santa Barbara; Ph.D., 1972, University of California, Los Angeles.
- CHARMAYNE FAYE BOHMAN (1971), *Assistant Professor of Education*
B.A., 1959, University of Southern California; M.A., 1963, California State University, Long Beach; Ph.D., 1977, Claremont Graduate School.
- ALAN BOMSER (1971), *Assistant Professor of Sociology*
B.S., 1941, Brooklyn College; M.A., 1959, California State University, Los Angeles.
- STEPHEN A. BOOK (1970), *Associate Professor of Mathematics*
A.B., 1966, Georgetown University; M.A., 1966, Cornell University; Ph.D., 1970, University of Oregon.
- DAVID E. BREST (1968), *Professor of Biological Science*
B.A., 1964, California State University, Los Angeles; Ph.D., 1968, University of California, Los Angeles.
- JEFFREY E. BROUDE (1976), *Senior Assistant Librarian*
B.A., 1967, M.A., 1971, M.L.S., 1971, University of California, Los Angeles.
- DEXTER EDWARD BRYAN (1971), *Associate Professor of Sociology*
A.B., 1966, M.A., 1969, University of California, Riverside; Ph.D., 1973, University of California, Los Angeles.
- EDITH BUCHANAN (1972), *Professor of Education*
B.A., 1956, California State University, Los Angeles; M.A., 1961, California State University, Northridge; Ed.D., 1970, University of California, Los Angeles.
- JOHN J. BULLARO (1968), *Professor of English*
B.A., 1950, M.A., 1952, University of Illinois; Ph.D., 1960, University of Wisconsin.
- RICHARD BUNGER (1970), *Professor of Music*
B.Mus., 1964, Oberlin College; M.Mus., 1966, University of Illinois.
- GORDON L. BURGETT (1974), *Evening Administrator*
B.A., 1960, University of Illinois; M.A., 1962, University of Wisconsin, Madison; M.F.T., 1962, Thunderbird Graduate School of International Management; M.A., 1970, Northern Illinois University.
- DAVID B. CADY (1970), *Associate Professor of History*
B.S., 1958, Georgetown University; B.S., 1964, M.A., 1966, Ph.D., 1970, University of Wisconsin.
- ROBERT L. CALATRELLO (1969), *Associate Professor of Education*
B.S., 1958, Millikin University; M.A., 1960, Northwestern University; Ed.D., 1966, University of Southern California.
- HANSONIA L. CALDWELL (1972), *Assistant to the President; Dean, Graduate Studies and Research, and Associate Professor of Music*
B.M., 1966, Boston University; M.A., 1969, Ph.D., 1974, University of Southern California.
- SUSAN A. CARBERRY (1977), *Associate Director of Athletics and Coach*
B.A., 1971, Monmouth College; M.A., 1977, California State University, Long Beach.
- MURIEL P. CARRISON (1969), *Professor of Education*
B.A., 1948, Hunter College; M.A., 1964, California State University, Long Beach; Ed.D., 1969, University of Southern California.
- LYMAN G. CHAFFEE (1969), *Professor of Political Science*
A.B., 1960, Occidental College; M.A., 1965, California State University, Los Angeles; Ph.D., 1969, University of California, Riverside.
- DAVID CHAMPION (1969), *Associate Professor of Music*
B.S., 1961, Juilliard School of Music; M.A., 1965, Columbia University.
- CHI-LUNG CHANG (1969), *Associate Professor of Mathematics*
B.A., 1964, University of California, Berkeley; M.A., 1968, Ph.D., 1970, University of California, Los Angeles.
- HAROLD CHARNOFSKY (1966), *Professor of Sociology*
B.S., 1953, M.S., 1958, Ph.D., 1968, University of Southern California.
- CECILIA M. CHEN (1975), *Senior Assistant Librarian*
B.A., 1962, Soochow University, Taiwan; M.Ed., 1967, University of Oregon; M.S.L.S., 1969, University of Wisconsin.
- LOIS WONG CHI (1966), *Professor of Biological Science*
B.S., 1945, Wheaton College; M.S., 1948, Ph.D., 1953, University of Southern California.
- EVELYN TUTT CHILDRESS (1969), *Professor of Biological Science*
B.S., 1947, Lincoln University; M.S., 1948; M.S., 1956, University of Michigan; Ph.D., 1967, Stanford University.

- BARBARA R. CHRISPIN (1973), *Associate Professor of Business Administration*
B.S., 1964, M.S., 1965, University of Illinois; Ph.D., 1971, University of California, Los Angeles.
- ROBERT M. CHRISTIE (1970), *Professor of Sociology*
B.A., 1965, University of California, Santa Barbara; M.A., 1967, Ph.D., 1970, University of Missouri.
- DAVID A. CHURCHMAN (1976), *Assistant Professor of Behavioral Science*
B.A., 1960, M.A., 1964, University of Michigan; Ed.D., 1972, University of California, Los Angeles.
- GEORGE N. CLAWSON (1972), *Associate Professor of Business Administration*
B.B.A., 1940, Baylor University; M.B.A., 1967, Ph.D., 1972, University of California, Los Angeles;
C.P.A., 1947, State of Texas.
- JAMES CLAYTON (1975), *Director, Special Programs*
B.S., 1967, Illinois State University; M.A., 1973, University of Illinois.
- GARY B. COLBOTH (1970), *Campus Judicial Coordinator and Professor of Public Administration*
B.S., 1958, Bradley University; M.P.A., 1960, University of Pittsburgh; J.D., 1966, Northwestern
University Law School.
- DALLAS V. COLVIN (1970), *Associate Professor of Biological Science*
B.S., 1963, Portland State University; Ph.D., 1970, University of Colorado.
- GAIL F. COOK (1976), *Associate Director of the Library*
B.S., 1961, Oregon State University; M.L.S., 1963, University of California, Los Angeles; M.P.A.,
1977, California State University, Long Beach.
- JAMES LOUIS COOPER (1974), *Associate Professor of Education*
B.A., 1967, University of Michigan; M.A., 1969, University of Iowa; Ph.D., 1976, University of Iowa.
- ENRIQUE CORTES (1974), *Professor of History*
B.A., 1960, M.A., 1962, University of New Mexico; Ph.D., 1974, University of Southern California.
- JOSÉ S. CUERVO (1975), *Assistant Professor of Spanish*
B.A., 1966, California State University, Long Beach; M.A., 1968, California State University, Los
Angeles; Ph.D., 1974, State University of New York, Buffalo.
- JEANNE CURRAN (1972), *Associate Professor of Sociology*
B.A., 1957, Tulane University; M.A., 1966, University of California, Los Angeles; Ph.D., 1971,
University of Southern California.
- STASYS G. DANIS (1974), *Assistant Professor of Psychology*
B.A., 1968, University of California, Berkeley; M.A., 1970, Ph.D., 1974, University of Oregon.
- MICHAEL J. DAUGHERTY (1972), *Associate Professor of Physics*
B.S., 1963, University of California, Los Angeles; Ph.D., 1971, University of California, Riverside.
- LARRY R. DECKER (1972), *Assistant Professor of Psychology*
B.A., 1963, San Francisco State University; M.A., 1970, Ph.D., 1972, University of Arizona.
- ULRICH de la CAMP (1966), *Professor of Chemistry*
B.S., 1959, University of California, Berkeley; Ph.D., 1966, University of California, Davis.
- PETER DESBERG (1970), *Associate Professor of Education*
B.A., 1965, University of Southern California; M.A., 1966, California State University, Northridge;
Ph.D., 1969, University of Southern California.
- L. DANETTE DOBYNS (1972), *Professor of Chemistry*
B.S., 1958, College of Great Falls; Ph.D., 1964, University of Notre Dame.
- THOMAS W. DONAHUE (1975), *Associate Professor of Business Administration*
B.S., 1952, University of California, Los Angeles; M.B.A., 1956, University of Denver; D.B.A., 1972,
University of Southern California.
- ROBERT DOWLING (1973), *Associate Professor of Business Administration*
B.S., 1964, Fairleigh Dickinson University; M.B.A., 1972, California State University, Long Beach;
D.B.A., 1977, University of Southern California.
- CAROLINE K. DUNCAN-ROSE (1966), *Professor of English and Linguistics*
B.F.A., 1946, M.A., 1949, University of Georgia; Ph.D., 1969, Florida State University.
- JOANNA E. DUNKLEE (1975), *Senior Assistant Librarian*
B.A., 1962, Scripps College, Claremont; M.Ed., 1965, Cornell University; M.L.S., 1968, University
of Southern California.
- JAMES A. DURHAM (1979), *Director of Instructional Media Services*
B.F.A., 1957, Pratt Institute; M.S.E., 1969, Ed.D., 1979, University of Southern California.
- PATRICIA S. ELIET (1969), *Associate Professor of English*
B.A., 1958, Carleton College; M.A., 1960, Oberlin College; Ph.D., 1971, University of California,
Berkeley.

- DALE E. ELLIOTT (1968), *Associate Professor of English and Linguistics*
B.S., 1962, M.A., 1965, Ph.D., 1971, Ohio State University.
- PETER D. ELLIS (1962), *Professor of Education*
A.B., 1948, Ed.D., 1961, University of California, Los Angeles.
- ARTHUR A. EVETT (1968), *Professor of Physics*
B.S., 1948, Ph.D., 1951, Washington State University.
- CHARLES FAY (1966), *Professor of Philosophy*
B.S., 1948, M.A., 1950, Ph.D., 1956, St. Louis University.
- JOANN C. FENTON (1970), *Associate Professor of Anthropology*
B.A., 1959, M.A., 1967, Ph.D., 1974, Northwestern University.
- LOIS J. FEUER (1972), *Associate Professor of English and Small College*
B.A., 1967, University of Arizona; M.A., 1968, Ph.D., 1972, University of California, Irvine.
- KENNETH W. FINLAY (1978), *Director of Admissions and Records*
B.A., 1961, Wheaton College; M.Ed., 1965, Oregon State University; Ed.D., 1971, Columbia University.
- ALAN M. FISHER (1975), *Assistant Professor of Political Science*
B.A., 1963, M.A., 1964, Brooklyn College; Ph.D., 1974, University of California, Berkeley.
- WILLIAM H. FISHER (1976), *Assistant Librarian*
B.A., 1972, M.A., 1973, University of Arkansas; M.L.S., 1974, State University of New York.
- R. KENNETH FLEAGLE (1977), *Associate Professor of Public Administration*
B.P.A., 1960, M.A., 1966, University of Arizona; D.P.A., 1976, University of Southern California.
- CHARLES F. FORBES (1970), *Associate Professor of Geography*
B.S., 1952, M.S., 1960, Stanford University; Ph.D., 1973, University of Oregon.
- MARIANNE FRANK (1970), *Assistant Professor of Physical Education and Recreation*
B.S., 1969, University of California, Los Angeles; M.A., 1970, California State University, Los Angeles; Ed.D. Candidate, University of California, Los Angeles.
- MARILYN GARBER (1967), *Professor of History*
B.A., 1957, M.A., 1960, Ph.D., 1967, University of California, Los Angeles; J.D., 1977, Southwestern University.
- EUGENE N. GARCIA (1972), *Associate Professor of Chemistry and Health Science*
A.B., 1948, Gonzaga University; M.S., 1951, University of San Francisco; Ph.D., 1961, University of California, Los Angeles.
- KENNETH B. GASH (1967), *Director of The Small College and Professor of Chemistry*
B.S., 1960, Pratt Institute; Ph.D., 1968, Arizona State University.
- LILA B. GELLER (1969), *Professor of English*
B.A., 1952, University of California, Los Angeles; M.A., 1965, California State University, Northridge; Ph.D., 1969, University of California, Los Angeles.
- SUZANNE GEMMELL (1974), *Dean, University College*
B.S., 1960, University of Oregon; M.A., 1968, University of New Mexico; Ed.D., 1974, Indiana University.
- ELLEN K. GERRY (1974), *Assistant Librarian*
B.A., 1973, California State University, Los Angeles; M.L.S., 1974, California State University, Fullerton; M.P.A., 1978, California State University Dominguez Hills.
- DONALD R. GERTH (1976), *President; Professor of Political Science and Public Administration*
A.B., 1947, A.M., 1951, Ph.D., 1963, University of Chicago.
- ROBERT V. GIACOSIE (1973), *Associate Professor of Biological Science*
B.A., 1964, M.S., 1967, Rutgers University; Ph.D., 1972, University of California, Los Angeles.
- JOHN R. GODERS (1972), *Associate Professor of Art*
B.F.A., 1965, M.F.A., 1967, Otis Art Institute of Los Angeles County.
- HYMEN C. GOLDMAN (1967), *Director of Community Mental Health Programs and Senior Counseling Psychologist, and Professor of Education*
B.A., 1942, Central YMCA College; B.S., 1947, Roosevelt University; M.A., 1948, Ed.D., 1962, University of Southern California.
- SILVIA ROSA GONZALEZ (1975), *Assistant Professor of Education*
B.A., 1966, M.A., 1968, University of California, Los Angeles; Ph.D. candidate, University of Southern California.
- PAUL A. GOPAUL (1971), *Professor of History*
B.A., 1948, M.A., 1953, St. Michael's College; Ph.D., 1958, University of Ottawa; Ph.D., 1967, University of New Mexico.
- WILLIAM E. GOULD (1969), *Professor of Mathematics*
B.A., 1956, M.S., 1958, Rutgers University; M.A., 1964, Ph.D., 1966, Princeton University.

- JUDITH V. GRABINER (1972), *Associate Professor of History and the Small College*
B.S., 1960, University of Chicago; M.A., 1962, Radcliffe College; Ph.D., 1966, Harvard University.
- LARRY GRAY (1970), *Director of Student Development*
B.A., 1970, California State University Dominguez Hills.
- LISA GRAY-SHELLBERG (1967), *Professor of Psychology*
B.A., 1961, Occidental College; M.A., 1966, Ph.D., 1970, Claremont Graduate School.
- JOEL C. GREENWALD (1978), *Associate Professor of Business Administration*
B.S., 1966, Massachusetts Institute of Technology; M.S. 1967, D.B.A., 1975, University of Southern California.
- JUDSON A. GRENIER (1966), *Professor of History*
B.A., 1951, University of Minnesota; M.J., 1952, University of California, Berkeley; Ph.D., 1965, University of California, Los Angeles.
- LINDA J. GROFF (1972), *Assistant Professor of Political Science*
B.A., 1962, University of Michigan; M.A., 1963, M.A.L.D., 1966, Ph.D., 1978, Fletcher School of Law and Diplomacy.
- CURTIS L. GRONINGA (1969), *Assistant Dean, Community Programs*
B.A., 1967, California State University, Long Beach; M.P.A., 1971, University of Southern California; Ph.D. candidate, University of California, Los Angeles.
- DRU ANN GUTIERREZ (1970), *Assistant Professor of Education*
B.A., 1949, Pepperdine College; M.S., 1958, University of Southern California; Ph.D. candidate, Claremont Graduate School.
- CAROL GUZE (1967), *Professor of Biological Science*
A.B., 1957, Washington University; Ph.D., 1963, University of California, Berkeley.
- WILLIAM M. HAGAN (1967), *Professor of Philosophy*
A.B., 1948, University of Santa Clara; M.A., 1950, Gonzaga University; S.T.L., 1957, Faculté de Théologie, Enghien, Belgium; S.T.D., 1960, Georgetown University.
- DEANNA S. HANSON (1973), *Coordinator, Liberal Studies, and Associate Professor of Education*
B.A., 1964, Idaho State University; M.A., 1967, Columbia University; Ed.D., 1970, University of California, Los Angeles.
- JAMES G. HARRIS (1969), *Dean of Faculty and Staff Affairs and Professor of Economics*
B.S., 1964, Idaho State University; M.A., 1967, Ph.D., 1970, University of Oregon.
- DEBORAH SEARS HARRISON, *Assistant Professor of Psychology*
B.A., 1971, New York University; M.A., 1973, Ph.D., 1978, Princeton University.
- ARTHUR L. HARSHMAN (1971), *Assistant Professor of Art*
B.A., 1964, Antioch College; M.A., 1964, Michigan State University; M.A., 1968, Ph.D., 1977, University of Chicago.
- GARRY D. HART (1970), *Coordinator, Academic Advising, and Associate Professor of Mathematics*
B.A., 1966, University of California, Riverside; M.A., 1968, University of Oregon; Ph.D., 1970, Kansas State University.
- AARON HASS (1974), *Assistant Professor of Psychology*
B.A., 1969, Brooklyn College; M.A., 1970, Ph.D., 1974, University of California, Los Angeles.
- DONALD TERUO HATA, JR. (1970), *Professor of History*
B.A., 1962, M.A., 1964, Ph.D., 1970, University of Southern California.
- STEVEN W. HAYS (1975), *Associate Professor of Public Administration*
B.A., 1971, M.A., 1973, Ph.D., 1975, University of Florida.
- GEORGE MARTIN HENEGHAN (1967), *Professor of Political Science*
A.B., 1956, M.A., 1957, Columbia University; Ph.D., 1970; Stanford University.
- JACKSON N. HENRY (1975), *Assistant Professor of Mathematics*
B.A., 1966, M.S., 1967, Illinois State University; Ph.D., 1974, University of Missouri.
- DIANE HENSCHEL (1971), *Associate Professor of Psychology*
B.A., 1966, Queens College; Ph.D., 1970, University of California, Berkeley.
- PETER HERNE (1976), *Associate Professor of Business Administration*
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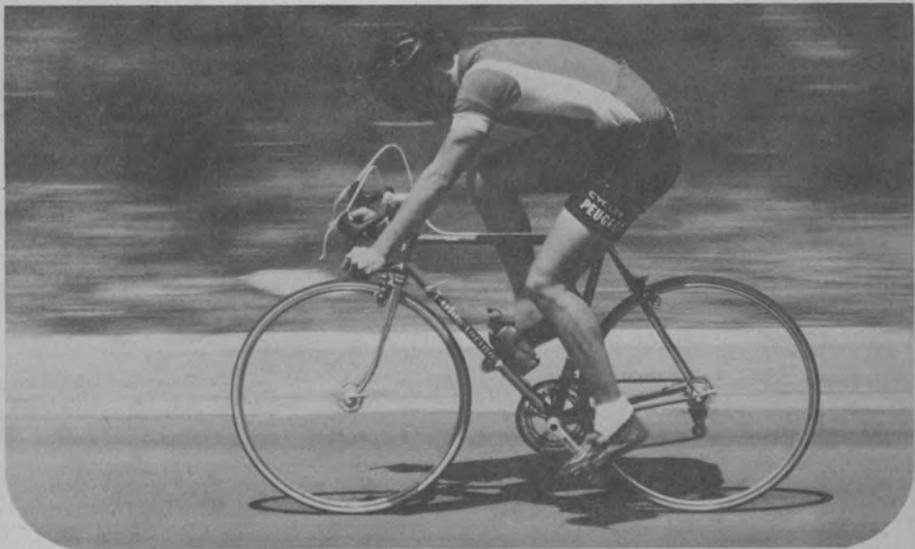
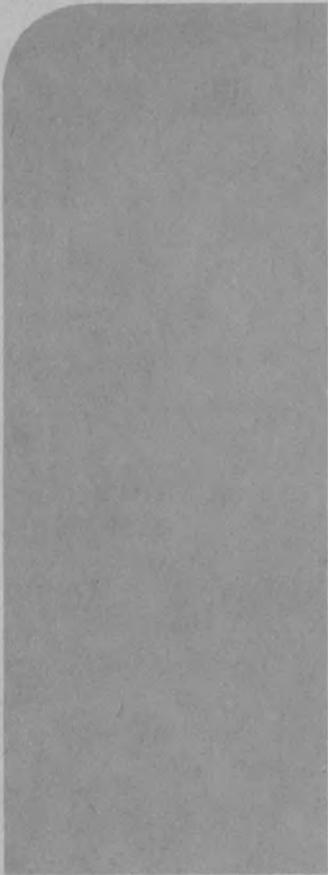
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INTERCOLLEGIATE ATHLETICS AT CSUDH

California State University Dominguez Hills offers a multi-faceted program of sports for both men and women. Included in the men's program are baseball, basketball, cross country, golf, soccer, and tennis. The women's program consists of teams in basketball, softball, tennis, and volleyball. Badminton is offered as a co-educational team.

Present facilities include a new gymnasium, fieldhouse, twelve tennis courts, baseball field, softball diamond, swimming pool, track, and an all-purpose field, as well as areas for volleyball, gymnastics, combatives, and dance.

California State University Dominguez Hills athletic teams have been quite successful over the years. In men's athletics, baseball, basketball, tennis, golf, and badminton teams have all finished high in district and national competition. In the past five years, fifteen student athletes have signed professional baseball contracts.

The women's athletic program is also achieving recognition with basketball, volleyball, and tennis teams scoring high on district and national levels.

In 1975, the men's badminton and men's volleyball teams won national championships.

Interest in California State University Dominguez Hills athletic programs is increasing rapidly with development of both university and community support groups.

Information about the program can be obtained from the athletic director.

The University is a member of the National Collegiate Athletic Association and the Association for Intercollegiate Athletics for women.

A PERSONAL MEMORY AID

Dept. Course No. Section Instructor Units Grade

Fall Quarter:

Winter Quarter:

Spring Quarter:

Summer Session(s):

Total Units Completed, 1979-80:
Total Grade Points, 1979-80:
Grade Point Average, End of 1980:

Previous Units:
Previous G.P.A.:



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