
1989 - 1990 CATALOG



California State University, Dominguez Hills

1989-90 UNIVERSITY CATALOG

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On the cover:

"The Forum," a socio-sculptural environment by internationally acclaimed sculptor Claire Falkenstein, welcomes visitors to the Sculpture Garden between the Humanities and Fine Arts building and the University Theatre.

Dedicated in spring 1987, the sculpture honors A. Quincy Jones (1913-1979), the architect for the Master Plan of California State University, Dominguez Hills.

THE UNIVERSITY ADDRESS

When corresponding with the University, write to the particular office, school or department —

California State University, Dominguez Hills
1000 East Victoria Street
Carson, California 90747

For Application Forms or Further Information Write or Call:

Admissions Information and Service Center
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(213) 516-3696

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ACKNOWLEDGEMENTS

The California State University, Dominguez Hills Catalog has been prepared under the supervision of the Office of the Associate Vice President, Academic Affairs. It is the desire of the Office to provide a pleasing, useful, comprehensive and accurate catalog, which fully describes the academic programs, policies, regulations and requirements of the University. The Office requests that omissions and inaccuracies be brought to our attention. We also welcome suggestions and comments on the organization and presentation of the information.

Catalog compiled and produced by the Office of the Academic Affairs in cooperation with the Office of Development and University Relations.

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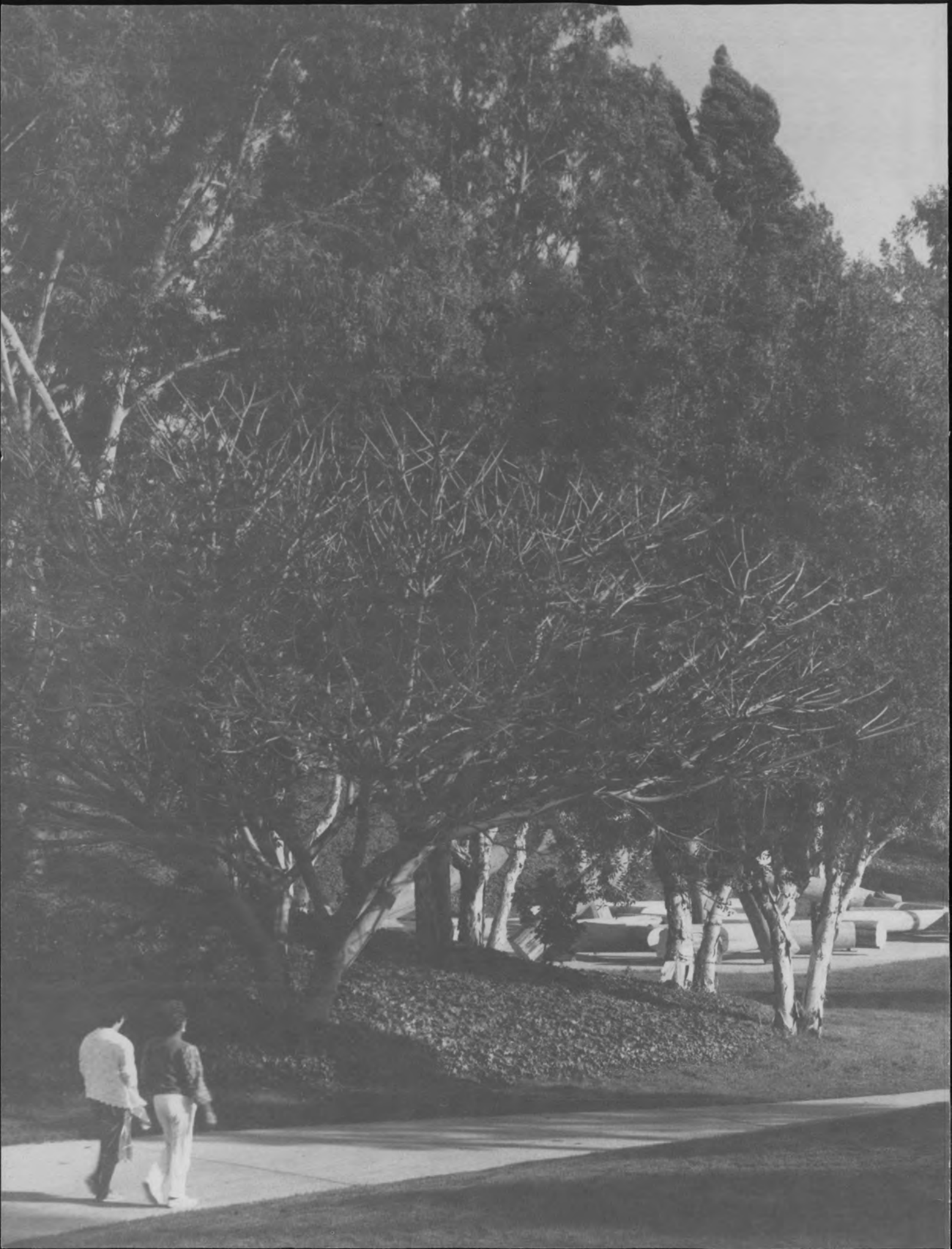
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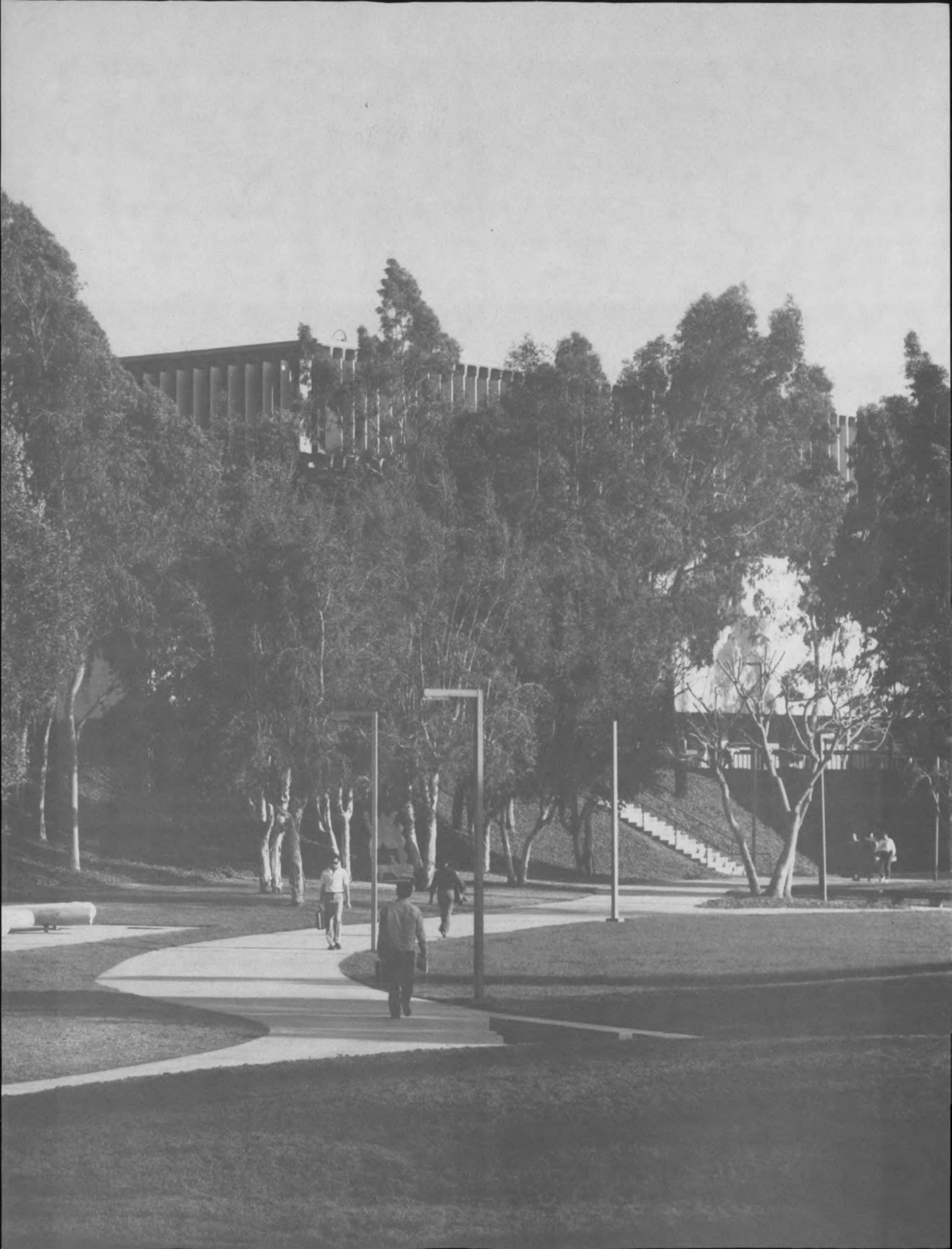
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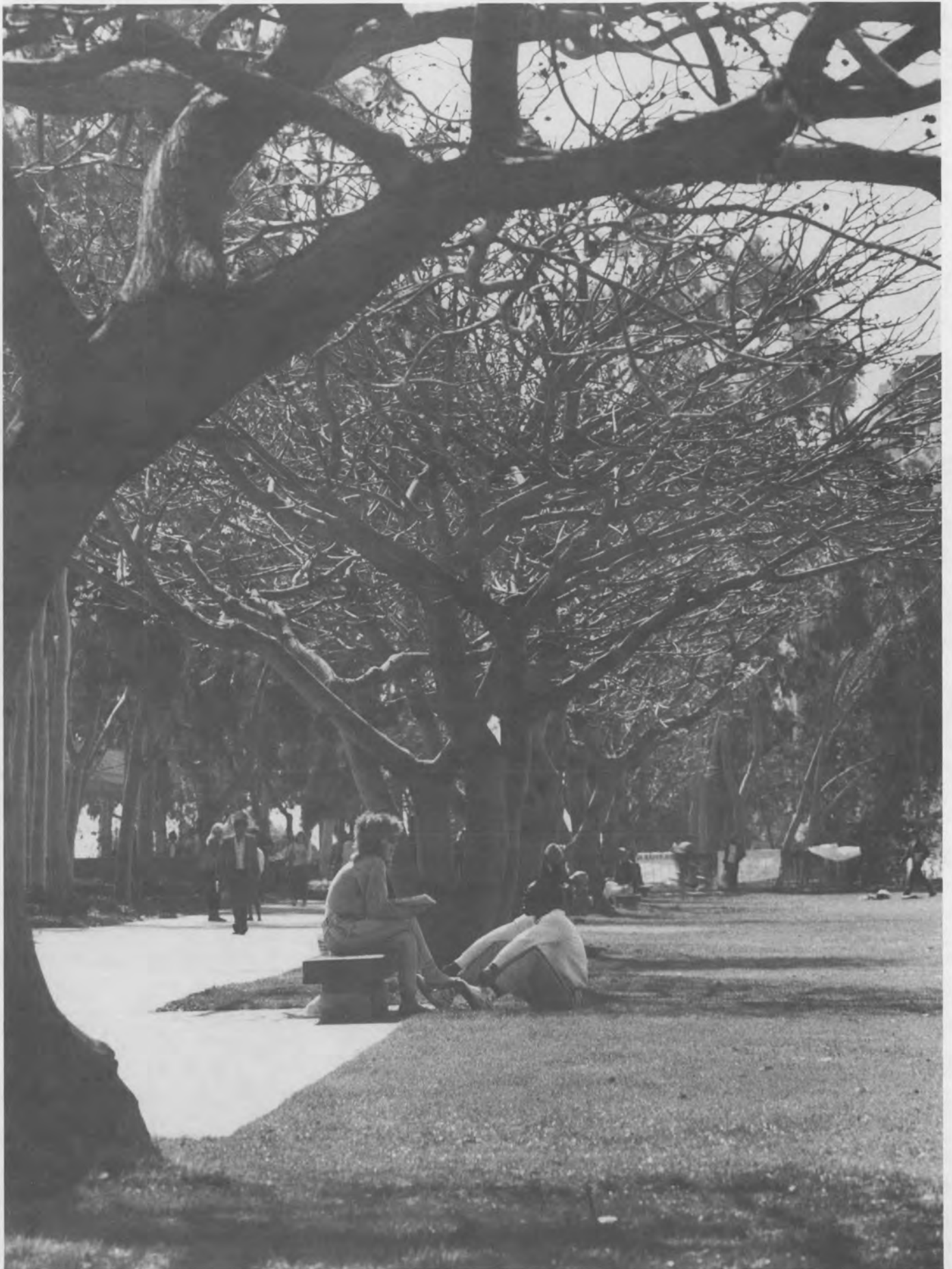


California State University
Dominguez Hills

1000 East Victoria Street
Carson, CA 90747







A MESSAGE FROM THE PRESIDENT



It is a pleasure to welcome you to California State University, Dominguez Hills. Through this University Catalog, you will find information about the academic programs and student life on our campus. We trust this catalog will answer a variety of questions that you may have about the University and will provide you with a valuable tool during your academic career at CSU Dominguez Hills.

We are particularly proud of the pleasant and friendly atmosphere on our campus and hope you will plan to visit soon.

Our campus tour is designed to answer any questions that you have regarding either the academic or extracurricular activities provided by CSU Dominguez Hills. Just contact the Information Center to arrange a time when you can make a visit.

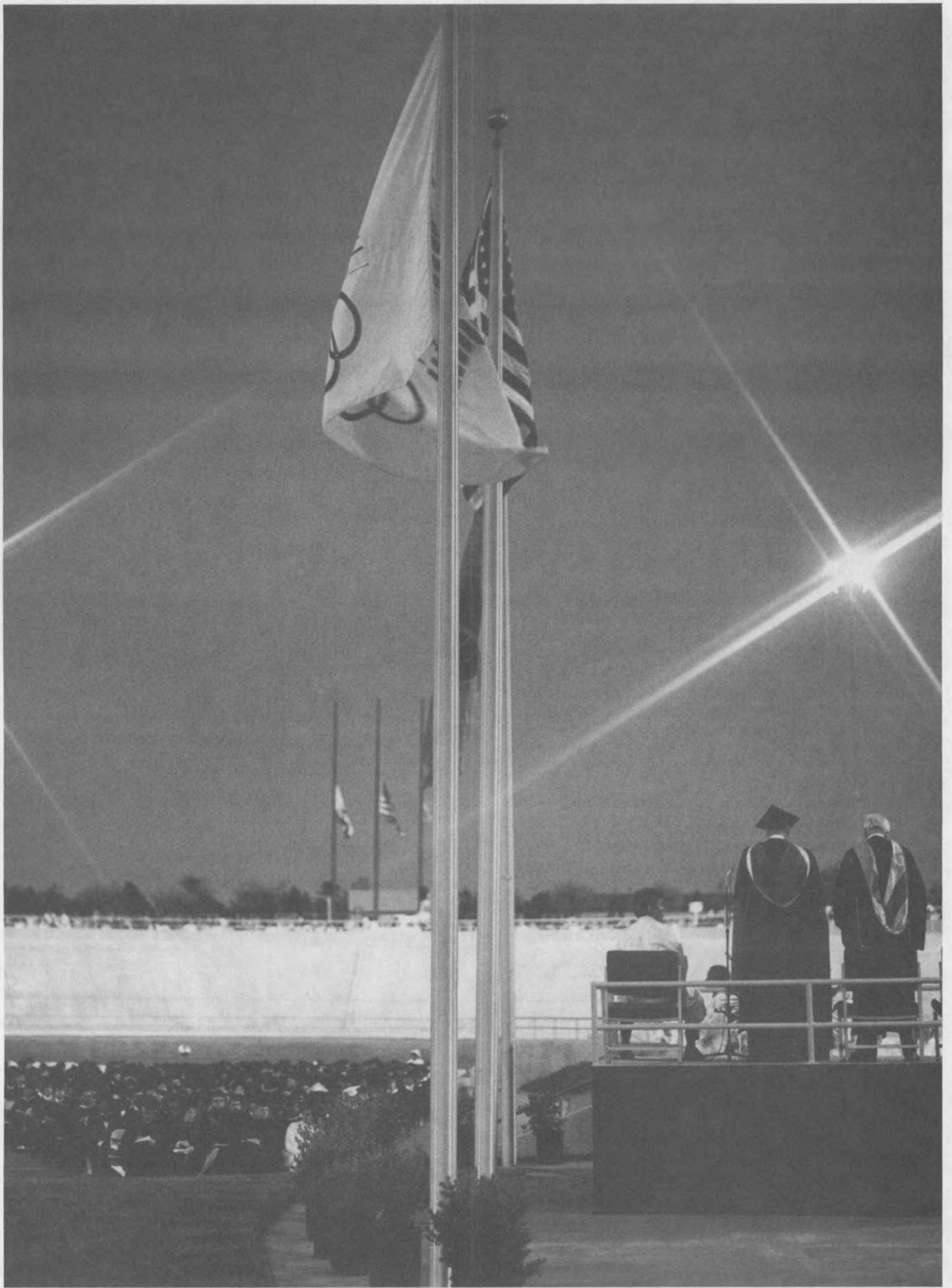
We have an excellent faculty interested in stimulating the intellectual and personal development of each student and in preparing students for professional careers or further study. We believe an integral part of your education arises from non-classroom discussions with fellow students and faculty as a part of the cultural, social and athletic activities on campus, and through community service.

Once again, welcome to our university community, and I look forward to you becoming an active participant.

Robert C. Detweiler, President
California State University, Dominguez Hills

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ACADEMIC CALENDAR

1989-90

FALL SEMESTER 1989

Academic Year Begins	August 22
General Faculty Meeting	August 22
New Student Orientation	August 25
Regular Registration	August 23 - 25*
Classes Begin	August 26
Late Registration	August 28 - September 15
Change of Program: Adds	August 28 - September 15
Change of Program: Drops	August 28 - September 22
Labor Day Holiday: Campus Closed	September 4
Last Day for Refund of Student Services Fee	September 15
Last Day to Drop Without Record of Enrollment	September 22
Serious and Compelling Reasons Required to Drop a Course	September 25 - November 17
Student Census	September 25
Last Day for Refund of Non-Resident Tuition Fee	October 6
Serious Accident or Illness Required to Drop a Course	November 20 - December 8
Thanksgiving Holiday: Campus Closed	November 23 - 25
Last Day of Scheduled Classes	December 8
Final Examinations	December 9 - 15
Evaluation Day	December 18
Final Grades Due	December 19
Semester Ends	December 19

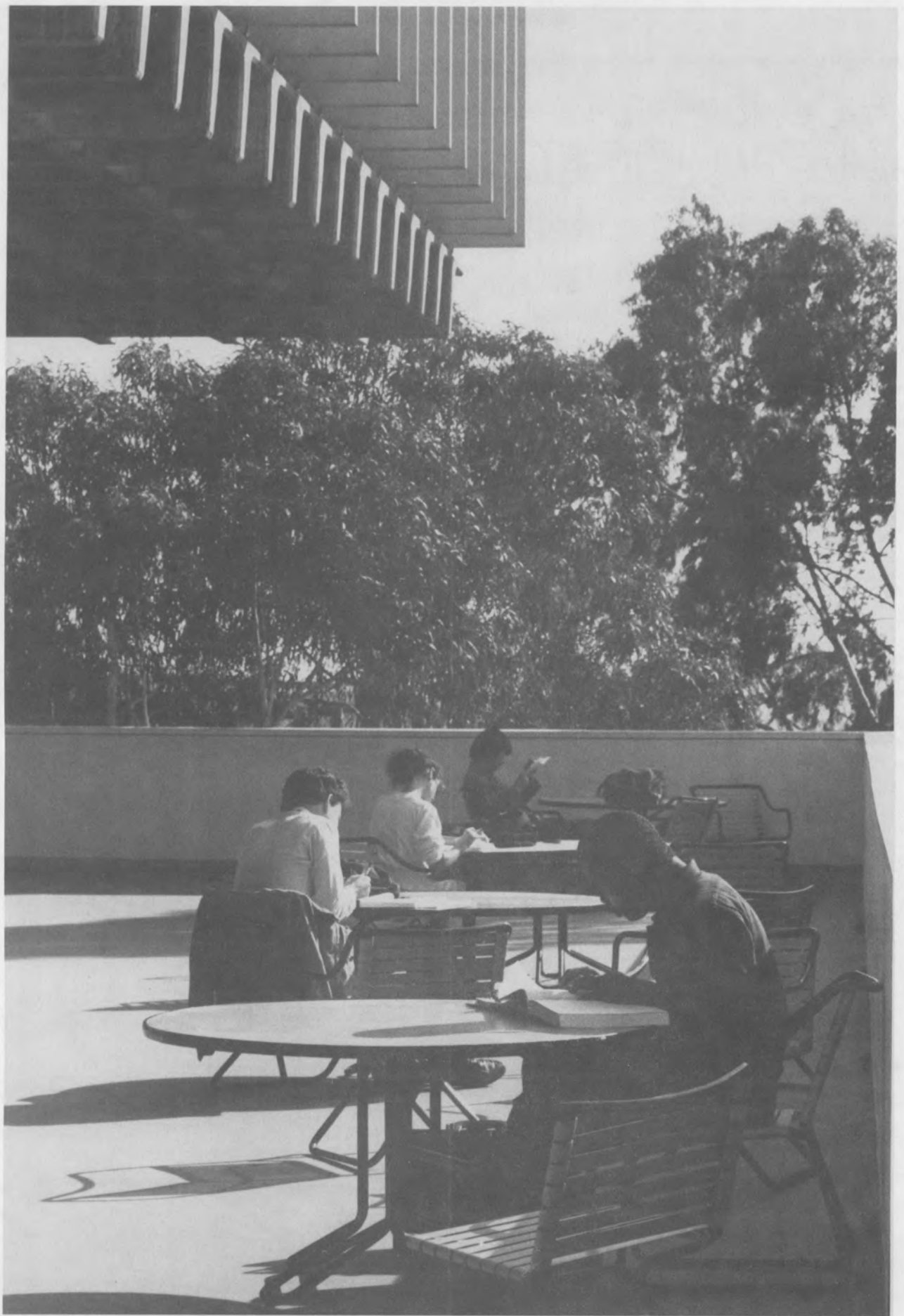
SPRING SEMESTER 1990

Martin Luther King's Birthday	January 15
Holiday: Campus Closed	
New Student Orientation	January 22
Regular Registration	January 22 - 25
Classes Begin	January 27
Late Registration	January 29 - February 16
Change of Program: Adds	January 29 - February 16
Change of Program: Drops	January 29 - February 23
Last Day for Refund of Student Services Fee	February 16
George Washington Academic Holiday: No Classes; Campus Open	February 19
Last Day to Drop Without Record of Enrollment	February 23
Student Census	February 23
Serious and Compelling Reasons Required to Drop a Course	February 26 - April 27
Last Day for Refund of Non-Resident Tuition Fee	March 9
Spring Recess	April 9 - 14
Serious Accident or Illness Required to Drop a Course	April 30 - May 18
Last Day of Scheduled Classes	May 18
Final Examinations	May 19 - 25
Commencement	May 25
Memorial Day: Academic Holiday-Campus Closed	May 28
Final Grades Due	May 29
Semester Ends	May 29

ANSWERS TO YOUR QUESTIONS

TOPIC	WHERE TO GO	LOCATION	PHONE (213) 516-
Add or Drop Class	Registrar	IBC B13/J-127	3601
Address change	Registrar	IBC B13/J-127	3601
Admission Status	Admissions Office	IBC B1/J-103	3600
Applications:			
Undergraduate	Information & Service Center	IBC B2/A-130	3696
Graduate	Information & Service Center	IBC B2/A-130	3696
Advisement:			
Undeclared Major	Advisement Center	IBC B3/M-110	3538
Declared Majors	Major Department		
Business Majors	School of MGT - Advisement Center	SBS A-326	3561
Alcohol and Drug Abuse	Serenity Center	IBC B12/H-123	3656
Application for Teaching Credential	Center for Quality Education	HFA B-302	3521
Associated Students	Associated Students Office	IBC B12/G-140	3686
Athletic Tickets	Athletic Department	FH F-016	3893
Books and Supplies	Bookstore	IBC B11/F-130	3829
Change/Declaration of Major, Certificate or Preprofessional Objective	Registrar	IBC B13/J-127	3601
Child Care	Child Development Center	Casa Dominguez 327-2880	
Computer Skills	Computer Lab	IBC B6/E-127	3847
Copy Machines	Library	ERC	
Counseling:			
Personal	Student Development Office	IBC B5/C-128	3625
Career Planning	Health & Psychological Counseling	SHC A-141	3818
Credit for Prior Learning	Student Development Office	IBC B5/C-128	3625
Degree Application	Special Programs (E & WED)	SBS B-232	3649
/Diploma Orders	Registrar	IBC B13/J-127	3601
Degree Evaluation	Registrar	IBC B13/J-127	3601
Disabled Student Services	Health Center	SHC A-106	3660
Disqualification	Registrar	IBC B13/J-127	3601
Distribution & Posting	Activities Office	IBC B12/A-140	3559
Educational Opportunity Program (EOP)	EOP Office	IBC B4/C-127	3632
Emergency Messages	V.P. for Student Affairs	ERC D-514	3784,3696
Employment (part-time)	Financial Aid Office	IBC B5/C-138E	3647
Enrollment Verification:			
Duplicate ID or Fee Receipt	Registrar	IBC B13/J-127	3601
Letter Request	Registrar	IBC B13/J-127	3601
Evaluations/General Education	Admissions Office	IBC B1/J-103	3600
Evening Services	Information & Service Center	IBC B2/A-130	3696
Extension Class Information	Extended Education Office	IBC B2/B145	3741
Financial Aid	Financial Aid Office	IBC B5/C-138E	3647
General Studies Advisement	Advisement Center	IBC B3/M-110	3538
Graduate Studies	Graduate Studies Office	ERC E-510	3693
Graduation Requirements	Registrar	IBC B13/J-127	3601
Handicapped Student Services	Health Center	SHC A-129	3629
Health Insurance	Associated Students	IBC B12/G-140A	3686
Honors Program	Special Programs Office	SBS B-232	3640
Housing:			
On-Campus	Pueblo Dominguez Office	Bldg. A	4228
Off-Campus	Off-Campus Housing	IBC B2/A-130	3643
I.D. Card Replacement Info	Registrar	IBC B13/J-127	3601
Information	Information & Service Center	IBC B2/A-130	3696
International Students			
Advisement	Advisement Center	IBC B7/D-192A	3538
Foreign Exchange Letters	Advisement Center	IBC B7/D-192A	3538
Immigration Forms	Advisement Center	IBC B7/D-192A	3538
Internships & Cooperative Ed.	Coop Ed Office	SBS B-232	3735
January Term	Extended Education Office	IBC B2/B-145A	3746
Lost and Found	Dept. of Public Safety	IBC B2/A-122	3639
Math Skills	Learning Assistance Center	ERC A-103	3827
Name Change	Registrar	IBC B13/J-127	3601
Older Adult Services	Older Adult Center	SBS B-235	4003

TOPIC	WHERE TO GO	LOCATION	PHONE (213) 516-
Open University	Extended Education Office	IBC B2/B-145A	3741
Organizations & Clubs	Student Programs	IBC B12/H-123	3854
Parking:			
Fees	Cashier	IBC B2/B-135	3812
Information	Dept. of Public Safety	IBC B2/A-122	3639
Handicapped	Disabled Students Office	SHC A-106	3660
Petition Procedure	Registrar	IBC B13/J-127	3601
Reading Skills	Learning Assistance Center	ERC A-103	3827
Readmission	Admissions Office	IBC B1/J-103	3600
	Information & Service Center	IBC B2/A-130	3696
Records	Registrar	IBC B13/J-127	3601
Reentry	Reentry Program	IBC B5/C-128	3625
Refunds	Registrar	IBC B13/J-127	3601
Registration Fees	Cashier	IBC B2/B-135	3812
Reinstatement	Registrar	IBC B13/J-127	3601
Residency	Admissions Office	IBC B1/J-103	3600
Room Reservations	Student Programs	IBC B12/K-144	3854
ROTC	Advisement Center	IBC B3/M-110	3906
Scholarships	Financial Aid Office	IBC B5/C-138	3647
Student Affirmative Action	Student Affirmative Action Office	IBC B4/N-124	3657
Student Newspaper	Student Newspaper Office	ERC A-130	3687
Study Abroad	Student Development Office	IBC B5/C-128	3625
Study Skills Help	Learning Assistance Center	ERC A-103	3827
Summer Sessions, Information	Extended Education Office	IBC B2/B-145	3746
Telecommunications Device for Deaf	Disabled Student Office	SHC A-106	3660
Test Information	Testing Office	IBC B5/C-144B	3909
Theatre Tickets	Theatre Box Office	UTC B-102	3589
Transcripts	Registrar	IBC B13/J-127	3601
Travel Study Programs	Extended Education Office	IBC B2/B-145	3741
Tutoring	Learning Assistance Center	ERC A-103	3827
Typewriters	Library	ERC A-315	3376
Veteran's Certification Assistance	Veteran's Affairs	SHC A-106	3660
Withdrawals:			
From a course	Registrar	IBC B13/J-127	3601
From the University	Registrar	IBC B13/J-127	3601
Women's Issues	Women's Center	IBC B12/H-123	3759
Writing Skills	Learning Assistance Center	ERC A-103	3827



THE CALIFORNIA STATE UNIVERSITY

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 and in 1982 the system became The California State University. Today, all 19 campuses have the title "university."

The oldest campus — San Jose State University — was founded as a Normal School in 1857 and became the first institution of public higher education in California.

Responsibility for The California State University 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, 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 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 a basic program of "General Education-Breadth Requirements" for graduation regardless of the type of bachelor's degree or major field selected by the student.

The CSU offers more than 1,500 bachelor's and master's degree programs in some 200 subject areas. Many of these programs are offered so that students can complete all upper-division and graduate requirements by part-time late afternoon and evening study. In addition, a variety of teaching and school service credential programs are available. A limited number of doctoral degrees are offered jointly with the University of California and with private institutions in California.

System enrollments total approximately 355,000 students, who are taught by some 19,700 faculty. Last year the system awarded over 50 percent of the bachelor's degrees and 30 percent of the master's degrees granted in California. More than one million persons have been graduated from the 19 campuses since 1960.

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Correspondence with Trustees should be sent:

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400 Golden Shore, Suite 322
Long Beach, California 90802-4275

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The California State University
400 Golden Shore
Long Beach, California 90802-4275
(213) 590-5506

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 Chancellor

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 Bakersfield, CA 93311-1099
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 Chico, CA 95929
 Dr. Robin S. Wilson, President
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California State University, Dominguez Hills
 Carson, Ca 90747
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 Los Angeles, CA 90032
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 Dr. Thomas B. Day, President
 (619) 594-5000

Imperial Valley Campus
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 (619) 357-3721

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 San Francisco, CA 94132
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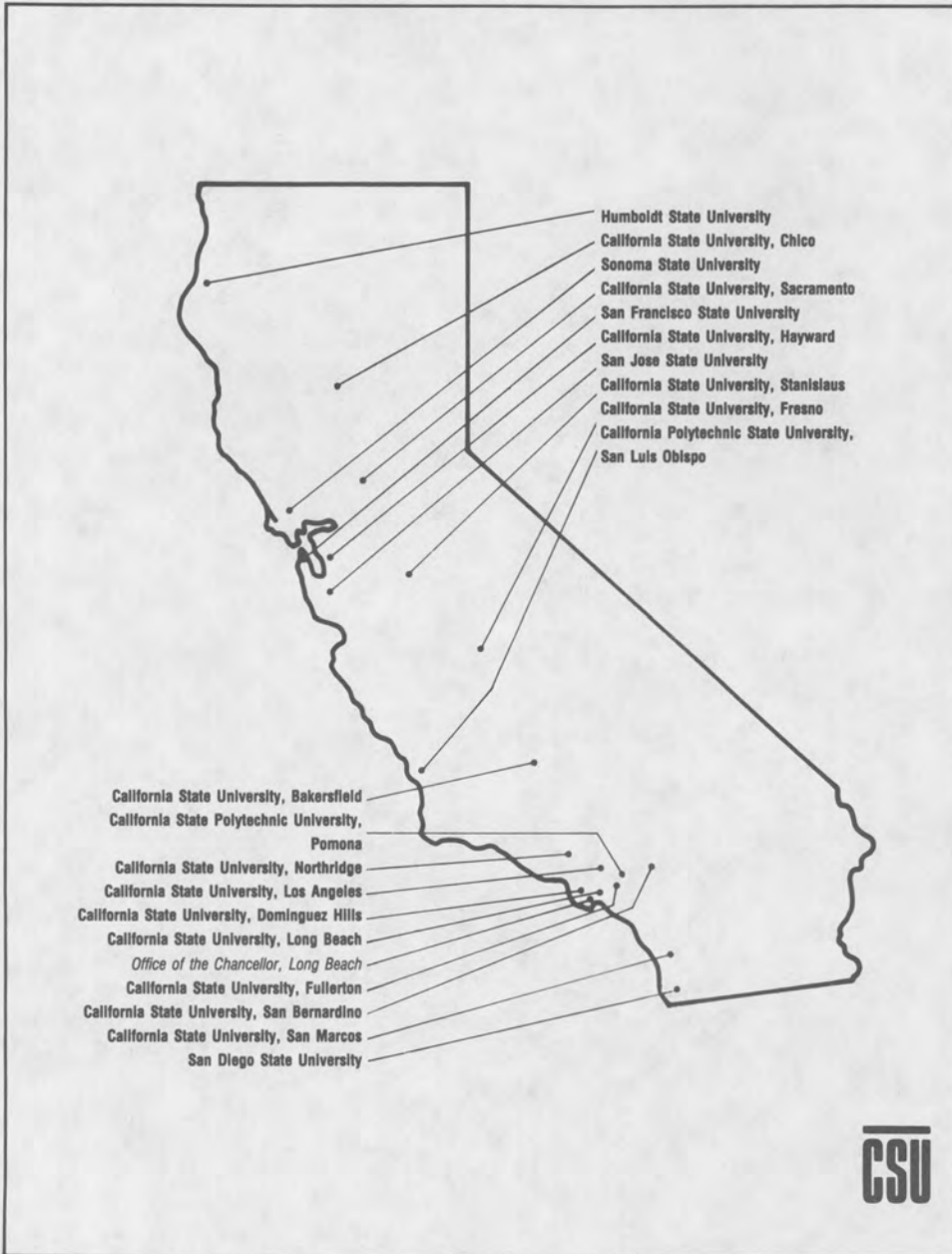
San Jose State University
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 Dr. Gail Fullerton, President
 (408) 924-1000

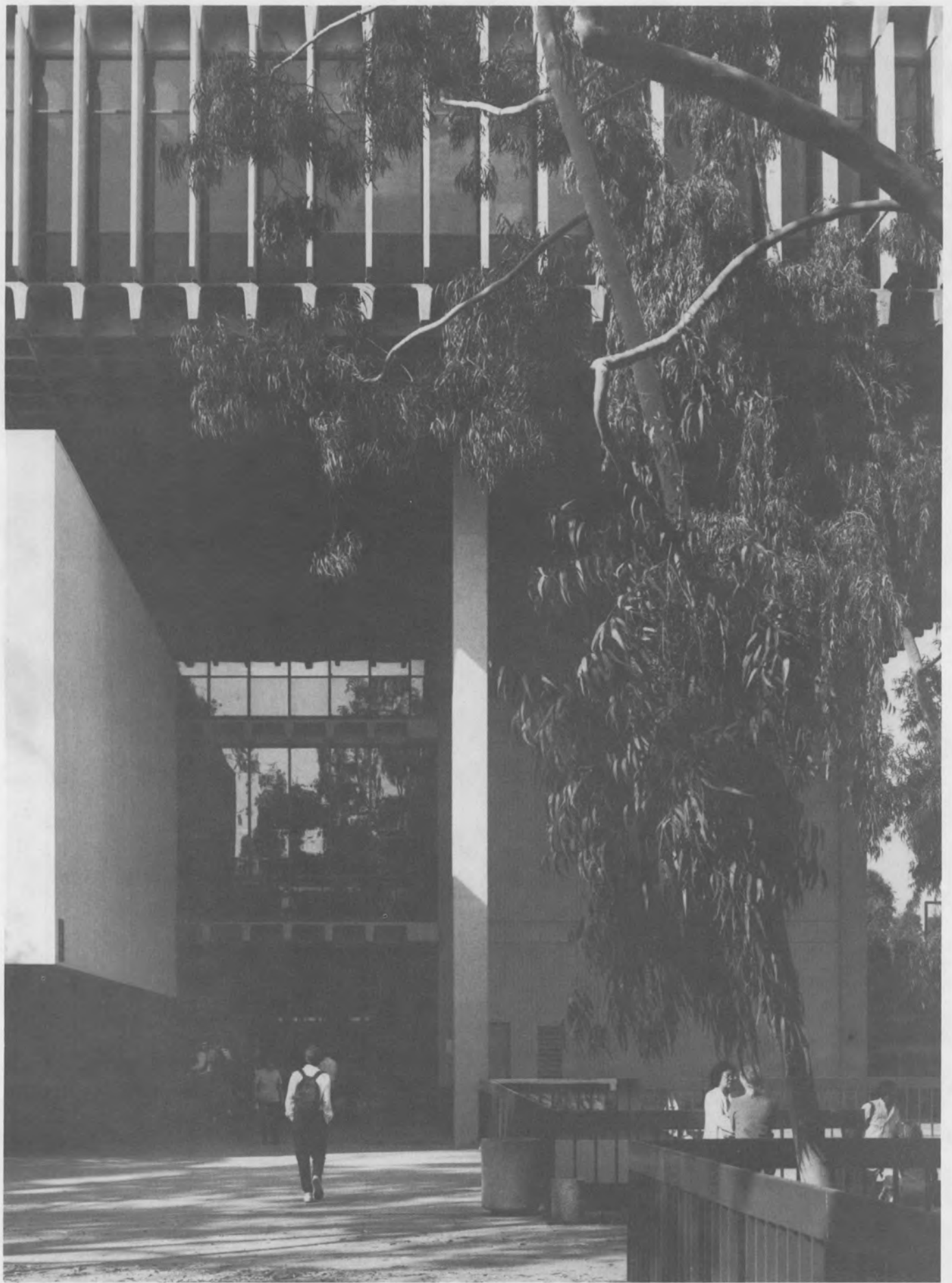
California Polytechnic State University, San Luis Obispo
 San Luis Obispo, CA 93407
 Dr. Warren J. Baker, President
 (805) 756-1111

Sonoma State University
 1801 East Cotati Avenue
 Rohnert Park, CA 94928
 Dr. David W. Benson, President
 (707) 664-2880

California State University, Stanislaus
 801 West Monte Vista Avenue
 Turlock, CA 95380
 Dr. John W. Moore, President
 (209) 667-3122

THE CALIFORNIA STATE UNIVERSITY





THE UNIVERSITY

CSU DOMINGUEZ HILLS

THE MISSION AND GOALS OF CSU DOMINGUEZ HILLS

Introduction

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 Jose Dominguez in 1784 to its acquisition by the people of the state for the University. In the Southern California of today, the campus is strategically located in the heart of a major technological, industrial and transportation complex. Moreover, it is central in a population that is international and multi-ethnic, and the people of this area are genuinely heterogeneous; cultural pluralism is a major characteristic of the University. At the same time, there is a continuing special focus on the Hispanic heritage of California.

The Legislature of the state of California authorized the establishment of this University in 1960, and the first students were enrolled in the fall of 1965. The completion of a major building program has provided an attractive campus environment and facilities for all of the University's programs of instruction, research and public service.

This statement of mission and goals has been developed with a full appreciation of the challenges facing urban higher educational institutions, including changing demographic patterns and increasing financial stringency. These challenges and others call for careful planning and a sense of common purpose and direction. All segments of the university community have contributed to the development of this statement, and will be involved in its implementation.

The Emerging Character of the University

The character of any university or college is found in its faculty, administration and staff, in the attainments of its students and alumni, and in the substance of its programs and their relationship to its sponsoring society. This University is committed to its people, to the urban community in which it is located, and to the concept that higher learning is not something in which only the few, for economic or social reasons, can be productive participants. We are a "community" as well as a state university, with all the richness that this implies. Most of our students are from the greater Los Angeles Basin, but they also come to us from elsewhere because they have chosen to learn within this community. Most are adults working full- or part-time. Programs are designed to address the needs of the community and are for people who seek an education in the finest humane and scientific traditions. These programs are for people who want a professional education that prepares them to participate in the economic and technological world, and who are ready to grow with the extraordinary pace of change in today's world. This University seeks to balance theory and practice, with a curriculum that makes optimum use of both. This University is a center of learning and a place where the professions can turn for assistance, information and research.

One of the fundamental conditions of this University's existence is the multi-ethnic and multi-cultural nature of our setting. We seek to enhance and indeed, celebrate that pluralism; in academic programs, in the makeup of our student body, faculty and staff, and in programs offered jointly with the community.

As a "community" university, we provide educational programs in the form of degrees, certificates, continuing education, lifelong learning, as well as various cultural activities available to our many communities. One test of a new program is the extent to which it will contribute to community development, to the building of a stronger economic and social order. In accomplishing these goals, CSU Dominguez Hills is reaching forcefully to broader segments of the population.

The commitment to people of all ages, which is the keystone of our mission, has both qualitative and quantitative implications. Qualitatively, the University seeks to strengthen existing programs, to meet the real educational needs of students; to develop programs that deal with the educational needs of its community. Quantitatively, the University plans for moderate growth over the next ten years as it becomes the University of the people of its community, broadly defined.

CSU Dominguez Hills also is emerging as a great "resource" university. The California State University can be characterized as one of the great resource universities of the nation. CSU Dominguez Hills functions as a member of The California State University, and its mission contributes to the fulfillment of the purposes of the 19-campus CSU system; that, too, is a strength.

Mission and Goals

1. The University's fundamental mission is to be found in the impact it has upon people, upon the learning and development of its students.

The University, therefore, is committed to quality in all of its programs with high, pervasive, and definable standards of scholarship for every student.

- The University maintains a commitment to teaching, research, independent inquiry and creative activity.
- The University actively recognizes that the intellectual and cultural life of the campus is an essential component of its mission.
- The University seeks to be a harmonizing, liberalizing, and humanizing influence upon its students in all of its activities, not only directly through its programs, but also through its total environment and essential character. It seeks to convey the classical values of the Western tradition. It is attentive also to the values and understanding of all civilizations and cultures, recognizing the achievements of the past, but in touch with the changing social, cultural, scientific and technological character of the modern world.

2. The University sees itself as a comprehensive urban institution.

- Heterogeneity characterizes its students, faculty and staff as it does the urban environment.
- Programs offered are responsive to challenges of the urban setting and sensitive to the diversity of student and community populations. While the community beyond the campus often is used as a laboratory and an observatory to the benefit of the quality of education, the University also is sensitive to the contributions that higher education may make to society, and therefore, incorporates public service within its mission. Acknowledging its challenges and responsibilities as an urban institution, the University encourages the invigorating exchange of knowledge between scholars and practitioners.
- The University seeks to extend its influence and use its resources most effectively by developing further collaborative relationships with neighboring campuses of the CSU, community colleges, and with other public and private institutions. This goal also will be furthered by extending its educational programs and services into the community of which it is part.
- Maintaining a solid base in its immediate region, the University also seeks to expand to a statewide, national and international role in its service.

3. Undergraduate and graduate programs offered by the University include the arts and sciences (the university as a center of knowledge) and professional and applied fields (the university as a center for the professions and for the public interest). An appropriate balance among these programs is the result of a dynamic process and continuous assessment over time.

- The arts and sciences are basic to the life of a comprehensive university, providing the conceptual basis for all of its educational programs, and involving it with the most fundamental issues of society. The University is committed to maintaining its core of strength in the disciplines, a core that provides the focus for much of our undergraduate education in the humanities and arts, the social and behavioral sciences, and the natural sciences.
- The professional and applied fields are an integral part of this university. These programs necessarily are responsive to changing societal needs, the nature of the constituent populations of the University, and the availability of programs on other campuses. Program development in the professional and applied area will continue to be a necessary priority in the years just ahead to further the goal of a balanced and viable university curriculum and also to further the development of the community to which the university is most directly related.
- Committed to the goals of a liberalizing education, the University is fortunate in that the linkages between the basic arts and sciences and the professional and applied fields are strong ones and provide a basis for change, renewal and program development over time. The disciplines in the arts and sciences and the professional and applied fields are directly related on this campus; the consequences of this approach are positive for quality and educational strength, and for a capacity to deal with rapid change in education in a society at large. As in any public university, the need for a dynamic and changing balance among the arts and sciences and the professions will continue in order to maintain the quality and viability of all programs and of the university.

ACCREDITATION

CSU Dominguez Hills is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges, one of the six major regional college accreditation agencies in the United States, and by a number of other agencies in special fields.

Art: The National Association of Schools of Art and Design

Chemistry: American Chemical Society, Committee on Professional Training

Clinical Sciences:

Medical Technology option: National Accrediting Agency for Clinical Laboratory Sciences

Nuclear Medicine Technology option: accredited by the Committee on Allied Health Education and Accreditation (CAHEA) upon the recommendation of the Joint Review Committee on Educational Programs in Nuclear Medicine Technology (JRC).

Cytotechnology option: affiliates, LAC-USC-Medical Center and The Hospital of the Good Samaritan hold the accreditation of the Cytotechnology program which is accredited by the Committee on Allied Health Education and Accreditation (CAHEA) upon the recommendation of the Cytotechnology Programs Review Committee (CPRC), which is sponsored by the American Society of Cytology (ASC).

CAHEA is part of the Department of Allied Health Education and Accreditation of the American Medical Association. Accordingly, all three of our programs are AMA accredited.

Education: National Council for Accreditation of Teacher Education (NCATE) and the California Commission on Teacher Credentialing (CTC).

Health Science:

Clinical Health option (Physicians Assistant): accreditation is granted to the cooperative institutions Drew Postgraduate Medical School and the Primary Care Physician Assistant at USC School of Medicine by the American Medical Association.

Orthotics and Prosthetics option: American Board for Certification of Orthotics and Prosthetics

Music: The National Association of Schools of Music

Nursing: National League for Nursing

Public Administration (MPA): National Association of Schools of Public Affairs and Administration

Theatre Arts: National Association of Schools of Theatre

SERVICE/MEMBERS OPPORTUNITY COLLEGES

CSU Dominguez Hills has been designated as an institutional member of Service/Members Opportunity Colleges (SOC), a group of more than 400 colleges and universities providing voluntary post-secondary education to members of the military throughout the world. As a SOC member, CSU Dominguez Hills recognizes the unique nature of the military lifestyle and has committed itself to easing the transfer of relevant course credits, providing flexible academic residency requirements, and crediting learning from appropriate military training and experiences. SOC has been developed jointly by educational representatives of each of the Armed Services, the Office of the Secretary of Defense and a consortium of 13 leading national higher education associations; it is sponsored by the American Association of Community and Junior Colleges (AACJC).

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Director, Athletics	Daniel Guerrero
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Coordinator, Disabled Student Services	Mark Matsui
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Director, Statewide Nursing Program	Judith Lewis

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Center for Legal Information and Research	Jeanne Curran, Director
Center for Social Systems Research	Herman Loether, Director
Bureau of Management Research and Services	Carol Lopilato, Director
Center for Curriculum Development and Teaching in the Humanities and Arts	Lyle Smith, Director
Effective Schools Institute	James Cooper, Director
International Center	Abraham Kidane, Director



STUDENT LIFE AND INSTRUCTIONAL SUPPORT SERVICES

ACTIVITIES

IBC B12/A-140
(213) 516-3559

The Office of Activities (and temporary Student Union), which is part of Student Programs, is located in the western portion of the Commons building. The staff is dedicated to providing a rich, multifaceted schedule of events throughout the academic year.

The Office of Activities has been designed as a place where students, faculty and staff can meet together between classes. Located in the Office of Activities are an activity lounge, meeting room, television viewing area, activity game area with billiards, electronic and table games, The Dominguez Express, a mini do-it-yourself postal service, a Service Desk that provides information on student activities, and check-out service for games and other equipment in the office.

ADMISSIONS PROCESSING

IBC B1/J-103
(213) 516-3600

The Application Processing Unit is responsible for establishing the student record for all applicants for admission to the University, correspondence and in-person communication about admission requirements and file completion; determining residency for tuition purposes, maintaining the on-line admissions file and preparation of reports related to applicants.

Academic credentials are checked by the Evaluation Unit to determine admission eligibility and appropriate transfer credit. The Unit also is responsible for counseling ineligible students on academic alternatives, working with academic departments regarding admissions decisions and academic regulations. The Unit prepares reports related to admissions.

ALUMNI ASSOCIATION

ERC G-521
(213) 516-4237

The CSU Dominguez Hills 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 and generally supports the development of the University.



Today the alumni of the University number nearly 20,000 and are found throughout the United States. All CSU Dominguez Hills graduates and former students are eligible for membership in the Alumni Association. For further information, about the Association, contact the Office of Alumni Affairs. To keep advised of the varied activities and programs of both the Alumni Association and the University, alumni are urged to keep a current address on file in the Alumni Office.

Alumni Association services include borrowing privileges at the University Library, a wide variety of academic, athletic and cultural programs, and University publications, which give graduates an opportunity to receive information and participate in many University events throughout the year.

The Alumni Association helps support the Annual Fund, which provides financial assistance for a variety of University activities. Through these efforts, funds are provided for scholarships for students, faculty enrichment, and University public service programs.

ART GALLERY

HFA A-107
(213) 516-3334 or 516-3855

The University Art Gallery supports and enhances the Art Department instructional program while giving students from all disciplines a valuable opportunity to explore and experience contemporary and historical works of art from many cultures. The gallery has over 2,000 square feet and can accommodate paintings and large sculptures by artists of local and national reputation. There are six exhibitions a year, the last being the multi-media showing of the works of CSU Dominguez Hills students. The gallery also is often used as a forum for student art critique classes, discussions with artists, and provides an opportunity for students and interns to participate in gallery installations and management.



ASSOCIATED STUDENTS

IBC B12/G-140A
(213) 516-3686

All students are members of the Associated Students by virtue of mandatory fees paid during registration. The governing body of the association is the Senate, which is composed of officers elected each fall and spring. Within the association, various commissions are concerned with finance, publications, academic affairs, activities, organizations and recreational sports. The Associated Students makes available a supplementary health insurance plan for students of the University.

Student offices are located in the Small College, Room N-104. The Office of Student Programs serves as liaison between campus administration and the Associated Students.

ATHLETICS

FH F-016
(213) 516-3893

CSU Dominguez Hills offers a multi-faceted program of intercollegiate athletics for men and women. Included in the men's athletic program are baseball, basketball, golf and soccer. The women's program consists of basketball, softball, volleyball and soccer.



The University athletic programs are members of the National Collegiate Athletic Association, Division II (NCAA), and compete in the California Collegiate Athletic Association Conference (CCAA).

The Toro athletic teams have been quite successful over the years. CSU Dominguez Hills burst onto the regional and national scene during the middle of this decade when the baseball and men's basketball teams won the CCAA championships and advanced to NCAA playoff action. The mid-eighties also saw the other six sports grow and improve to a point where CSU Dominguez Hills now features one of the top NCAA Division II athletic programs in the country.

Recent accomplishments include the baseball team winning its second consecutive CCAA title in 1987 and finishing fifth at the College World Series. It was during that same school year that the men's basketball team won the CCAA crown and advanced to NCAA Regional play, and the women's soccer team finished 15-1-2 in only its fourth year of existence.

Historically speaking, the 1982 men's soccer team made the first appearance for CSU Dominguez Hills in NCAA play after capturing the conference championship. The softball team also qualified for NCAA play that same year.

Athletics at CSU Dominguez Hills is participative activity for everyone, whether it is playing or spectating.

On an individual basis, many CSU Dominguez Hills athletes have been honored as All-Americans, have ranked nationally in NCAA Division II statistics, and have signed professional sports contracts.

The athletic facilities include a multi-purpose gymnasium, field house, 12 tennis courts, baseball and softball diamonds, swimming pool, all-weather track, and a multi-purpose activities field, as well as areas for volleyball, gymnastics, combatives and dance.

Interest in CSU Dominguez Hills athletic programs has increased rapidly with the development of both University and community support groups.

For further information contact the Athletic Director at (213) 516-3893.

BOOKSTORE

IBC B11/F-130
(213) 516-3789

The University Bookstore is campus headquarters for buying books, school supplies, gifts and clothing. The bookstore has a postage stamp machine. Located mid-campus, just north of the Commons, bookstore hours are 8:30 a.m. to 7:30 p.m., Monday through Thursday and 8:30 a.m. to 4:00 p.m. on Friday.

Students may make purchases with cash, personal check or VISA/MASTER CARD/Discover. The latter two require a University ID and a valid driver's license for identification.

Full refund of textbooks will be given for two weeks only, from the first day of registration. The cutoff date for each semester will be posted in the bookstore before each semester starts. All other merchandise is refundable on a 24-hour basis. Books must be in original condition to be considered for a refund, and must be returned with the original cash register receipt.

Textbooks are bought by the bookstore throughout the term. Fifty percent (50%) of current retail prices will be paid for books in good resalable condition, if the bookstore has received a faculty adoption for the text for the upcoming semester.

National market value will be paid for books in good resalable condition that are not to be used at the University again the following semester, but are current elsewhere.

BUSINESS ADVISEMENT CENTER

School of Management
Advisement Center
SBS A-326
(213) 516-3561

CSU Dominguez Hills offers a central location for undergraduate advisement of business majors, minors and those interested in the field of business administration.

The office is open during regular working hours, Monday through Thursday. No appointment is necessary. Qualified staff are available to provide assistance.

Undergraduate business students transferring from a community college or four-year college or university, and visiting the center for the first time, should bring a copy of their Certificate of Admission and Evaluation (issued by the Office of Admissions) and an up-to-date transcript of all coursework taken at other institutions.

All undergraduate business majors and minors should visit the School of Management Advisement Center at least once a semester and certainly prior to registration. The Center will provide students with up-to-date printouts. These printouts are used for each registration and serve as a guide to student progress toward meeting degree and graduation requirements. Also, the Center maintains a list of job and career opportunities, faculty office hours and phone numbers, and other information of interest to business majors.

CAFETERIA

CSA G-120
(213) 516-3814 or (213) 516-3776

Cafeteria hours during regular session are from 7 a.m. to 8 p.m., Monday through Thursday and 7:00 a.m. to 2:00 p.m. on Friday. The Mexican food counter, salad bar and grill hours are 11 a.m. to 7:30 p.m. Hot entrees are available from 11 a.m. to 2 p.m. and 4 p.m. to 7 p.m.

Breakfast is served until 10:00 a.m. Cold sandwiches and a variety of snack items are served all day. The Cafeteria features many home baked items.

The Bullseye Cantina is open from 11:00 a.m. to 9:00 p.m., Monday through Thursday and 11:00 a.m. to 2:00 p.m. on Friday. The Cantina features a variety of sliced pizzas, hot dogs, popcorn, bottled beer and draft beer, wine and a variety

of snacks. The Cantina has Satellite viewing on three televisions for students, staff and faculty.

CAREER PLANNING

IBC B5/C-128
(213) 516-3625

The Student Development Office offers career development and employment services, assists in the career planning needs of CSU Dominguez Hills students, and serves as a link for the student between the academic world and the job market. Career counseling is available to help students formulate their life goals. Assistance is provided in writing resumes, preparing for interviews and searching 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, conducted during the academic year, allows students the opportunity of being interviewed by prospective employers. A career center 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 also is provided.

Students preparing for a particular career field may request information from the Student Development Office about subsequent employment. 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. Copies of the published information are available in the Office of Student Development, IBC C-128.

CHILD DEVELOPMENT CENTER

Casa Dominguez
(213) 327-2880

Children, aged 2 years 9 months to 14 years, of students, faculty or staff members, may be eligible to register in the on-campus Child Development Center.

Under the auspices of the Associated Students, the Center is a school for child development. Teachers and student assistants observe and assist the children in carefully prepared indoor and outdoor learning experiences.

Funded by a variety of sources including Associated Students and the State Department of Education, parents are charged a daily fee, but may qualify for subsidized services. All children must be toilet trained and in good health. Children are given breakfast, lunch and an afternoon snack. The Center hours are Monday through Thursday, 7:45 a.m. to 7:00 p.m. and Friday, 7:45 a.m. to 5:00 p.m. when the University is in academic session.

COMPUTER SERVICES

IBC B1/D-105
(213) 516-3702

Computer Services assists students, faculty and administrative staff with computing related services.

An Academic Computing Group directs the student computer operation, teaches short courses, develops computer software, provides individual consultation, distributes information about computing capabilities, staffs the student's laboratories and coordinates a variety of other computing activities.



Computer Services provides access to several computers: (1) CYBER 180/960-11, located on campus, with 78 ports, 64 million characters of internal memory, 9,700 million characters of magnetic disk storage, 3 tape drives, and 2 high speed printers. These computers are used for both administrative and academic purposes. (2) PRIME, located on campus, with 48 ports, 10 million characters of internal memory, 1.5 million characters of magnetic disk storage, a tape drive, and 1 high speed printer. The PRIME is used for academic purposes. (3) A CDC CYBER 180/960-32, located in Seal Beach, is operated by the California State University (CSU) Systemwide Computing Center (IBC). CSU, Dominguez Hills is provided with 20 communication ports to access this computer. The X.25 communications network ties all the CSU campuses and this computer together to provide greatly expanded computing capabilities. Through the X.25 network, faculty, students and staff can use IBM mainframes, an ELXSI mini supercomputer, and a CRAY supercomputer. Membership in BITNET and CSUNET provides communication capabilities with other colleges and universities in California and with most major universities in the world.

Computer Services operates a student lab which has over 50 terminals, an Apple lab with 25 Apple II's, a PC lab with 28 IBM compatible units, a PS/2 (model 50) lab with 25 units, and a Macintosh (SE) lab with 15 units.

Several departmental labs with a variety of micro processors, terminals and minicomputers are available for instructional purposes. This includes, among others, an AT&T minicomputer system with a UNIX operating system for Computer Science and microcomputer labs for art, communications and music composition. The Office of Computing and Communications Resources (OCCR) at the CSU Chancellor's Office provides extensive instructional computing support through access to software, documentation, training, and the sharing of information among the CSU campuses.

A campuswide microcomputing center with a variety of microprocessors is designed to help faculty in the development of Computer Assisted Instruction materials and classes.

Another facility, specializing in computer assisted learning, provides access to the extensive library of PLATO courseware.

Campus facilities are constantly being expanded and upgraded to provide the latest in computing technology to students in all disciplines. The equipment, software, facilities, and support provide excellent computer services for students, faculty, and administrative staff at CSU, Dominguez Hills.

CALIFORNIA DESERT STUDIES CONSORTIUM

California State University, Fullerton
McCarthy Hall 236B
(714) 773-2428

The California Desert Studies Consortium consists of seven California State University campuses including Dominguez Hills, Fullerton, Long Beach, Los Angeles, Northridge, Pomona and San Bernardino. The primary objectives of this consortium are to promote and provide physical and academic support for undergraduate educational programs in a variety of disciplines, and to better understand and manage the physical and biological aspects of desert environments. The newly developed CSU Desert Studies Center provides living and

laboratory space for over 100 undergraduates at Soda Springs in the Mojave Desert, a location central to all high desert study areas.

COUNSELING PROGRAMS

Student Development

IBC B5/C-128, (213) 516-3625

Health Programs and Psychological Counseling

SHC A-141, (213) 516-3818

Situations arise in which students experience personal difficulties for which they might want professional help. In these cases, counseling psychologists are available in Student Development IBC C-128 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 careers are 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 12 sessions. Students participating in groups are not limited to a set duration, but also are 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, Assertiveness Training, and Test Anxiety Desensitization.

The staffs of both Student Development and Health Programs and Psychological Counseling 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.

DISABLED STUDENT SERVICES

SHC A-106

(213) 516-3660

Students with verified disabilities, which are permanent or temporary (e.g., broken bones, strained back, sprained ankle, etc.), are eligible for a variety of support services from the Disabled Student Services Office. Information regarding special facilities and services available to students with a disability may be obtained from the coordinator of the Disabled Student Services Office, located in the Student Health Center, Room A106, phone 516-3660 (voice) or 516-4028 (TDD).

Access To Campus and Facilities: Classrooms and facilities are highly accessible. Disabled/Medical parking is available close to buildings.

Adapted Physical Education: Adapted Physical Education classes are offered for students with disabilities. These courses feature individualized exercise programs and instructional aids for those who require physical assistance.

Admission Assistance: Students with disabilities are encouraged to contact the office before applying for admission to obtain general information, assistance with reading and/or filling out forms, and to discuss special needs.



Auxiliary Services—Readers, Notetakers, Interpreters:

Full services are available at no cost to the student. Students and staff work cooperatively in the selection, supervision and dismissal of aides. Support from the staff is available for those students requiring assistance in developing their supervisory skills.

Course Accommodations: Staff consultation with faculty on appropriate changes in course assignments is available. Students are encouraged to plan for courses that require significant changes at least one semester in advance.

Department of Rehabilitation: The office will assist students with permanent disabilities apply for services from the State Department of Rehabilitation. Those who are found eligible for services may receive vocational counseling and guidance, training (with payment of costs such as books, fees, tuition, etc.), and job placement. Under certain circumstances students also may qualify for help with medical needs and transportation.

Diagnostic Assessment Services and Support: Diagnostic assessment of specific learning disabilities and the provision of the appropriate support services are available to qualified students. Support services may include use of adaptive equipment, course modifications, use of auxiliary services (including tutoring), disability management advising, etc.

Disability Management Advising: Advising is available to the student who wishes to explore increasing independence, improving communication with faculty about the disability and evaluating career choices against functional limitations. In addition to individual consultation, the office maintains an assistive device resource file and provides workshops on time management, supervision and management skills, and other topics.

Equipment: The following equipment is available for student use: tape recorders, Visualtek Closed Circuit TV, Kurzweil Reading Machine, Optacon, talking calculator, Phonic Ear, large print typewriter, Perkins Braille, electric carts, and wheelchairs.

Housing: On-campus student apartments have 10 wheelchair accessible units, which have lowered kitchen counters, roll-in showers and other features.

Information and Referral: The office provides general information and assistance in problem solving. Students routinely encounter difficulties not necessarily related to disability, and the office maintains close relationships with offices on and off campus that can provide special services, including personal and career counseling, job seeking skills training, financial aid, and more.

Registration Assistance/Priority Registration: Students with disabilities participate in the usual registration process unless their disability precludes prolonged standing or walking, or in cases where students use auxiliary services. In these instances students may obtain "Priority Registration" through this office.

In summary, the Disabled Student Services Office is committed to the student with a disability and his/her right to an equal educational experience. The major focus is on the individual needs of the student. The goal is for the student with a disability to utilize the services provided to maximize independence and full integration into university life.

EDUCATIONAL OPPORTUNITY PROGRAM

IBC B4/C-127
(213) 516-3632

The Educational Opportunity Program (E.O.P.) is an alternate admission program that 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 semester of the academic year. For the 1988-89 academic year, the following deadlines are applicable for admission into the E.O.P. Program: April 1, for fall semester; and December 2, for Spring semester. Applicants for spring semester should check with the E.O.P. Office prior to submitting an application, since openings are limited.

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 CSU. Once admitted into E.O.P., students are provided with support services such as tutoring, academic advisement, counseling, study skills, English as a Second Language assistance and the Learning Assistance Center programs 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 semester.

Former E.O.P. students, either at CSU Dominguez Hills or another CSU campus, must apply directly to the E.O.P. Office for undergraduate readmission. This procedure is necessary in order to assure that admission as well as financial assistance is available to the student in a timely manner. Fall deadline for former E.O.P. students is June 8. Spring semester deadline is December 2.

EQUIPMENT SERVICES

ERC D-116
(213) 516-3835

Equipment Services provides centralized technical support to campus units using audiovisual, television, computer and related telecommunications equipment in educational and support programs.

Services include equipment repair and maintenance, system design and engineering and consultation on equipment procurement. Information and technical assistance is provided on the operation of existing and planned instructional and support facilities involving television production, Instructional Television Fixed Service, television programming for cable distribution, satellite teleconferencing, electronic data processing, voice communications and Instructional Media Center support.

EXTENDED EDUCATION

IBC B2/B-145A
(213) 516-3741

The CSU Dominguez Hills Division of Extended Education provides a variety of programs that are designed and presented, often in non-traditional instructional modes, and that offer opportunities for experimentation in curriculum, faculty and instructional services. Programs are offered both on-campus and at a variety of locations throughout the area.

Among the programs within Extended Education are Extension, Travel Programs, Summer and January Sessions, the Center for Training and Development, External Degrees and Open University.

Extended Education programs are financially self-supporting.

Extension

The University's Extension program offers courses, workshops, conferences, symposia and a variety of other programs for the continuing education of professionals, developing personal and professional goals and providing general self-improvement.

Certificate programs offered include Production and Inventory Control, Alcoholism/Drug Counseling, Orthotics and Prosthetics, Early Childhood, and Real Estate.



Travel Programs

Extended Education currently offers three programs that carefully integrate foreign travel experience with university-level study. "A Passage Through China" consists of two weeks of intensive touring of the People's Republic of China and two weeks of studying Chinese culture in Wuhan. "Mexico: Morelia and Its Environs" a three-week Summer program, uses this Mexican colonial city as a language "laboratory." The "London Semester Program" and the "London Business Semester" afford individuals the unique experience of living in London and studying with CSU distinguished faculty.

Enrollment in extension foreign travel study programs is subject to approval of an application to the program. Successful completion of the study portion earns university (residence) credit.

Summer Sessions

From June through July (August for special programs), the University offers a summer session program. A comprehensive schedule of classes from the University Catalog, plus courses and workshops specially designed for summer students are available. Classes are scheduled during the day and evening hours and, in selected cases, on the weekend. To register for summer courses, students are not required to file an Application for Admission to the University, submit transcripts, or pay an application fee. Summer students are expected, nevertheless, to have satisfied prerequisites for the courses in which they enroll. Enrollment in summer courses does not constitute admission to a regular semester or to the University.

It is possible to complete degree requirements during summer sessions so that students may graduate after the conclusion of a session. Because summer session is self-supporting, tuition and student fees are charged. The tuition per unit is the same for residents and non-residents.

January Term

During the first three weeks of January, the University offers a series of 1, 2, and 3 unit courses designed primarily to meet the needs of students who wish to accelerate their programs. As with summer sessions, these courses earn residence credit, and are open to any adult who meets the course prerequisites. January courses are self-supporting and tuition and student fees are charged.

External Degree Program

An external degree program is a self-supporting program that leads to a regularly established degree. Offered off-campus, its location, in large part, is determined by the needs of the students in the program.

CSU Dominguez Hills, through its Division of Extended Education, offers two external degree programs: master's degree in humanities through independent correspondence study, and a

bachelor of science degree in business is offered in Santa Barbara.

The Center For Training and Development

The Center, which is a unit of Extended Education, develops and conducts specialized in-service training programs to meet the needs of business and industry as well as public institutions and non-profit organizations. Programs include short courses, workshops, seminars and consulting services.

Certificate programs may be especially designed to respond to corporate needs.

Open University

The Division of Extended Education provides an opportunity for those who have not been admitted to the University to enroll in regular on-campus, degree-applicable courses through the Open University program. On a space-available basis, selected undergraduate courses are open to anyone 18 years or older who meets prerequisites and has the instructor's approval. Students enroll through the Extended Education Office and pay extension fees. Undergraduate students may apply up to 24 semester units earned through the program to a degree. Graduate students may apply a maximum of 9 semester units from Open University to a degree.

FORENSICS TEAM

UT A-101
(213) 516-3588

In the "real world" we are often judged by how we speak. The CSU Dominguez Hills Forensics Team gives students the experience and practice they need to sharpen their speech communication and organization skills. Members participate in intercollegiate tournaments, which may involve weekend trips to other campuses to compete in events such as debates, expository speaking, speech to entertain, dramatic interpretation, and poetry and prose interpretation.

GRADUATE STUDIES OFFICE

ERC E-510
(213) 516-3693

The Graduate Studies office provides initial information for new graduate students and academic advising and assistance for all unclassified (undeclared) post-baccalaureate students. Also available is information and advising for the Interdisciplinary Studies (Special Major) graduate program (see Special Major section of catalog). Students who wish to apply to this program should make an appointment with the coordinator through the Graduate Studies office. Information and applications for the Graduate Equity Fellowship program are also available in this office.

HEALTH PROGRAMS AND PSYCHOLOGICAL COUNSELING

SHC A-141
(213) 516-3818

The Health Programs and Psychological Counseling unit includes student health services and psychological counseling services. The unit provides an integrated approach for services designed to meet both the physical and emotional health needs of students.

The Student Health Center assists students in maintaining good health to successfully participate in the educational program of the campus. Health services available include outpatient diagnosis and treatment of illnesses and accidents, x-ray and clinical laboratory services, health education and consultation. The Center has its own licensed pharmacy where students may get prescriptions filled and purchase over-the-counter items as well. Referral to community health facilities is made for major illnesses or accidents beyond the scope of the Student Health Center. Medication and elective health services such as pre-employment physical examinations are available at a modest cost.

The CSU system requires all new students born after January 1, 1957 either to submit proof of immunity to measles and

rubella or to be immunized against these diseases. Students can get a combined measles/rubella vaccination free of charge at 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.

Student Health Insurance

The Associated Students makes available a supplementary health insurance plan for students. The insurance plan provides benefits toward hospital and surgical expenses. Information concerning the medical insurance plan is available through the Office of the Associated Students or the Student Health Center.

HONORS PROGRAM

SBS B-232
(213) 516-3640

Program Description and Features

The Honors Program offers high-achieving students opportunities for enriching their undergraduate studies in a variety of ways: through special sections of required General Studies courses, through upper-division Honors Contracts, Honors Seminars and Senior Honors Projects, and through special advising and activities. Honors students receive the extra stimulation of a special program while still participating in the life of the campus at large. They choose their own level of involvement, while meeting and learning in the company of their peers.

All components of the program are designed to provide an atmosphere in which committed students may strive for excellence, seek out intellectual challenge and further the process of self-discovery, which is such a significant goal of a university education: "Education is not preparation for life; education is life itself." (John Dewey)

General Studies Courses

In these classes, able and highly-motivated students work in the stimulating atmosphere of specially-designated sections of required General Studies courses. Several different courses are offered each semester so that in two years students can fulfill a good part of their required courses in this way. These courses are taught by outstanding instructors who encourage students to participate actively in their own education.

Eligible students may choose as many honors courses in a given term as they wish, though a minimum of nine courses (out of the required eighteen) is required for the Certificate of Honors in General Studies. Each honors course is specifically noted on the student's transcript as an advantage when applying to graduate school or for employment. Limited to 25 students a section, these challenging courses provide the basis for a strong liberal education in any major.

Honors sections are identified in the class schedule by the designation "H" after the section number. Students not already members of the Honors Program must receive special

permission from the program coordinator to enroll, on an exceptional basis, in an honors course.

Upper-Division Work

Three kinds of upper-division opportunities are available for honors students:

HONORS CONTRACTS enable a student to have the designation "Honors" appended to a given upper-division course by completing more sophisticated work than the instructor is asking of the regularly-enrolled students. With this option, the student, with the consent and guidance of the instructor, can undertake honors-level study—and receive honors credit—in a non-honors course. The honors work undertaken is in addition to, rather than instead of, the regular course assignments.

The student and faculty member agree at the beginning of the course on the nature of the work to be done for honors credit (examples might include pre-testing lab experiments, making one or more special presentations to the class, or creating an annotated bibliography of materials). This agreement, its rationale, and its means of evaluation, is specified on a proposal form submitted by the fifth week of the semester.

SPECIAL SEMINAR courses are occasionally offered, in which honors students in a particular field of majors (e.g., School of Management students) focus on a topic of mutual interest.

HONORS SCHOLARS upper-division Honors Program students are eligible to apply to become "apprentices" to faculty members in their fields. Apprentices receive a stipend for working with these faculty members on research or teaching-related activities.

The **SENIOR HONORS PROJECT** enables a student to pursue an extended project in an area of his/her interest through a combination of coursework, fieldwork and final report. Such a project may be completed in place of, or in addition to, a minor. Planning for a Senior Honors Project, undertaken with the supervision and guidance of an instructor in the area of interest, would normally begin in the student's junior year.

Academic Advising

Honors Program students are assigned faculty mentors who not only provide academic advising, but also act as special guides throughout the students' careers at CSU Dominguez Hills. Students are assigned advisors upon admission to the program, and are encouraged to see their advisors at least once a term to aid in course selection.

Eligibility

The program is open to students from throughout the University. Eligibility is determined by grade point average, SAT scores and personal interviews. Application forms are available in the program office, IBC E-173.

HOUSING

Off-Campus Housing Information

Office of Off-Campus Housing and Veterans' Affairs

IBC B2/A-130

(213) 516-3643

On-Campus Housing Information

Pueblo Dominguez

Student Apartment Office

(213) 516-4228

Off-Campus Housing: A service to students seeking off-campus housing accommodations. The Off-Campus Housing office keeps an up-to-date listing of local houses, rooms, and room and board in exchange for service rendered. Students who are seeking off-campus housing accommodations are encouraged to visit the office to review the current listings. The office is open from 9:00 a.m. to 7:00 p.m., Monday through Thursday.

On-Campus Housing: Furnished and unfurnished apartments are located on the northeast corner of campus. The apartment complex includes 14 separate two-story residential buildings containing 32 one-bedroom apartments and 72 two-bedroom apartments. The fifteenth building on the site is a one-story building housing a recreation and meeting room, study lounge, laundry and office. Annexed to the ancillary building are public rest room facilities and residents' mailboxes. On the complex grounds are basketball and volleyball courts and picnic area for relaxing, exercising and recreation. Convenient residential parking partially surrounds the complex.

Further Information On Housing: If you are interested in obtaining additional information regarding on-campus housing, please call or stop by the Student Apartment Office in Building A or telephone (213) 516-4228.



HUMAN CORPS PROGRAM

SBS B-232

(213) 516-3735

The Human Corps Program provides opportunities for students to become involved in community service activities. The program has been developed on all California State University and University of California campuses as a result of legislation passed in 1987. At CSU Dominguez Hills, the Human Corps is focusing primarily on tutoring in neighboring elementary, middle and high schools as well as assisting in adult literacy programs. In addition, students can become involved in any other kind of community service through our partnership with the South Bay Volunteer Center.

The benefits to be gained by such involvement include a sense of personal fulfillment from meeting individual and community needs, a chance to explore career goals, an opportunity to relate classroom theory to practical situations and, in some cases, academic credit through community services internships. In addition, the University Advisory Board will be awarding 50 and 100 hours community service certificates to qualifying students. The Human Corps is an exciting opportunity for students to use their talents and skills to help solve the problems of our surrounding communities. If you are interested in volunteering or in getting additional information drop by the Cooperative Education Office or call 516-3735.

INFORMATION AND SERVICE CENTER

IBC B2/A-130

(213) 516-3696

The Information and Service Center, located at the front of the campus, assists the campus population, prospective University applicants, and community members by providing essential, centralized information on campus resources, activities and programs. The Center also makes appropriate referrals to other campus units. Brochures, maps, directories and other materials are available.

The Center handles all application requests, provides information on admission policies and procedures, gives pre-admission and general academic advising, maintains a centralized calendar of campus activities, and answers questions regarding fees, refund policies, withdrawal deadlines and other general academic policies.

Evening Services after-hours office support, including Admissions and Records functions, is provided Monday through Thursday evenings. In addition to the daytime activities, the staff also sells catalogs and class schedules when the bookstore is closed, maintains a class schedule with current room changes, offers notary services, and is a repository for pickups and drop-offs. The office also accepts add/drops, withdrawal and refund applications, and GWE, ELM, EPT, ACT, and other exam registrations.

INSTRUCTIONAL MEDIA SERVICES

ERC G-142
(213) 516-3705

Instructional Media Services (IMS) provides for instructional development services and the application of media and technology in support of the instructional program. IMS functions include distribution of media materials and equipment for classroom use, design and production of media materials to achieve instructional objectives, operation of audiovisual and television instructional and production facilities, evaluation and procurement of media materials and equipment, instruction in the use of audiovisual and television equipment systems, and dissemination of information on new applications of instructional technology.

IMS functions are expanding to meet needs in cable TV, Instructional Television Fixed Service (ITFS), and new areas of audio and video instruction. To facilitate the utilization of television technology, a coordinator of Instructional Television provides consultation and production services for the faculty. Individual use of a wide variety of materials is provided through the operation of an Instructional Media Center, which houses over 1,941 films, 1,629 video cassettes, 7,129 cassettes phono/compact discs and 3,812 other media (slides, film strips, transparencies).

INTERNATIONAL CENTER

SBS D-316
(213) 516-3460

One of the major goals of CSU Dominguez Hills is to give all students the opportunity to better understand the effects of world affairs in relation to both the individual and society. Accordingly, the University requires that all students fulfill a Global Perspectives requirement in the General Studies program. Many international and foreign language courses also are provided. Special academic concentrations are available in international business and international politics for students who intend to specialize their studies in international education.

The University also sponsors seminars, discussions and films on important international situations and events. An International Center with a director of International Programs; an International Education Committee composed of faculty, administrators, students and community members; and an International Student Club all work together to sponsor various activities on the campus. An International Program for study abroad is available, and is explained in more detail below. The University is working with community members to develop loan and scholarship funds for students who wish to study in a foreign country, as well as for international students studying at CSU Dominguez Hills. For further information, contact the International Center.

INTERNATIONAL PROGRAMS

Student Development Office
IBC B5/C-128
(213) 516-3625



Now in its 25th year of continuous operation, the CSU International Programs offer students the opportunity to continue their studies abroad for a full academic year while they remain enrolled at their home CSU campus. The International Programs' primary purposes are to enable selected students to gain a firsthand understanding of other areas of the world while they advance their knowledge and skills within specific academic disciplines in pursuit of established degree objectives. Since its inception, the International Programs has enrolled nearly 9,000 CSU students.

A wide variety of academic majors may be accommodated by the 34 foreign universities cooperating with the International Programs in 16 countries around the globe. The affiliated institutions are: the University of Queensland (Australia), the University of Sao Paulo (Brazil); the Universities of the Province of Quebec (Canada); the University of Copenhagen (through DIS Study Program); the University of Provence (France); the Universities of Heidelberg and Tubingen (Germany); the Hebrew University of Jerusalem (Israel); the University of Florence (Italy); Waseda University (Japan); the Iberoamericana University (Mexico); Massey University and Lincoln University College (New Zealand); the Catholic University of Lima (Peru); National Chengchi University (Republic of China/Taiwan); the Universities of Granada and Madrid (Spain); the University of Uppsala (Sweden); Bradford, Bristol, Sheffield, and Swansea Universities and Kingston Polytechnic (the United Kingdom). Information on academic course offerings available at these locations is in the International Programs Bulletin, which may be obtained from the International Programs representative on campus.

To be selected to participate students must have upper division or graduate standing at a CSU campus by the time of departure, possess a cumulative grade point average of 2.75 or 3.00, depending on the program, for all college level work completed at the time of application, and have completed required language or other preparatory study where applicable. Selection is competitive and is based on home campus recommendations and the applicant's academic record. Final selection is made by the Office of International Programs in consultation with a statewide faculty selection committee.

The International Programs support all tuition 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 responsibility for all personal costs, such as transportation, room and board, and living expenses, as well as for home campus fees. Because they remain enrolled at their home CSU campus while studying overseas, International Programs students earn full-resident-credit for all academic work completed while abroad and remain eligible to receive any form of financial aid (other than work-study) for which they can individually qualify.

Information and application materials may be obtained from Stephen Kolety, Student Development Office, IBC C-128,

(213) 516-3625 or by writing to The California State University International Programs, 400 Golden Shore, Long Beach, California 90802-4275. Applications for the 1989-90 academic year overseas must be submitted by February 1, 1990.

INTERNATIONAL STUDENT SERVICES

IBC B7/D-192A
(213) 516-3906

The Office of International Student Services is a central campus location where students from other countries who attend CSU Dominguez Hills may find a variety of services to assist them during their stay at the University. Services include assistance relating to government regulations (extension of stay, school transfer, permits to re-enter the country after an absence); information about employment, both on- and off-campus; referral service for academic advising and personal counseling, and financial assistance; information regarding on- and off-campus housing; and a place where an international student may come to find someone to talk to as a friend. Pre-admission questions and concerns of international students are handled by the Information and Service Center.

LEARNING ASSISTANCE CENTER

ERC A-103
(213) 516-3827



The Learning Assistance Center is located in the Educational Resource Center complex, Room A-103, adjacent to the University Library (lower level). In addition to offering a comprehensive academic tutorial program, the Center provides programs and services for students who want to acquire, improve or review their classroom and personal learning skills through a personalized-diagnostic and prescriptive approach to learning.

The Center also provides workshops and seminars for students who want assistance in preparing for the CBEST, JEPET and ELM, and provides computer assisted instruction in basic and advanced skills and other academic subjects.

Programs/Services:

- General Study Skills
- Study Management
- Listening/Notetaking
- Study-reading
- Examination Techniques
- Vocabulary (enunciation/pronunciation drill)
- Reading Habits and Skills (for speed and comprehension)
- Spelling
- Writing Assistance (term papers and reports)
- Memory and Concentration
- Tutorial Assistance

LIBRARY

ERC
2nd Floor Entrance
(213) 516-3714

The University Library serves student research needs with a faculty of twelve, plus support staff, a book collection of more than 375,389 volumes, over 512,866 microforms, and over 3,306 periodical subscriptions, in addition to computerized data base services and cooperative agreements with other libraries.



To encourage a wider acquaintance with recorded knowledge, the Library has an open-shelf arrangement that 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, microcomputers and interlibrary loan. Expert reference service is available to the entire campus community. Library tours and on-line bibliographic searching also are offered, as well as a two-unit course (LIB 150) on library skills and strategies, and Special Topics in Library Research (LIB 495), an in-depth study of information retrieval in a particular format or discipline.

NATIONAL STUDENT EXCHANGE

Student Development Office
IBC B5/C-128
(213) 516-3625

CSU Dominguez Hills is one of the 80 universities and colleges throughout the United States and its territories that form the National Student Exchange. With this program, CSU Dominguez Hills students now can spend up to a year at one of the participating institutions while continuing progress toward their degrees. Students are able to take advantage of academic specializations and strengths of another university without paying out-of-state tuition and fees or incurring the usual complications involving credit transfers. This marvelous opportunity allows students to explore different social, cultural, geographic and educational settings while experiencing the personal growth, self awareness and maturity that results from living away from their usual environments.

To qualify, applicants must be full-time students at CSU Dominguez Hills, have a cumulative GPA of 2.5, and be at least sophomores during the exchange.

Tuition is assessed at the in-state rate at either CSU Dominguez Hills or at the host campus, depending upon the exchange plan available at the member college or university. Participants also pay for living expenses, books and transportation. Those eligible for financial aid continue to be eligible during the exchange. Credits and grades are recorded on the students' CSU Dominguez Hills transcripts. Catalogs, detailed information and applications are available from the National Student Exchange Coordinator in the Student Development Office.

OLDER ADULT CENTER

SBS B-235
(213) 516-4003



The Older Adult Center (OAC) serves as a support system for older students on campus, but provides a warm and friendly atmosphere for people of all ages. Services include a fee waiver program for students over age 60. The fee waiver program entitles students age 60 and over to attend class for only three dollars (parking and book costs not included in fee waiver). The OAC also provides many other academic and social opportunities for students, faculty and staff. Those interested may drop by the center and sign in. Come in anytime and join our informal discussion groups.

The OAC also serves as the Carson/Dominguez Hills Network of Gray Panthers, a senior citizen advocacy group. People of all ages are welcome to become active in the Gray Panthers.

Located in SBS B-235. Contact the OAC for office hours.

OUTREACH SERVICES

IBC B2/A-130
(213) 516-3699

Outreach Services implements programs and provides services to high schools, community colleges, and business and industry to attract qualified applicants to CSU Dominguez Hills. Outreach Services is located in the front of the campus, in the Information and Service Center. Responsibilities include: 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 high school and community college counselors; to provide CSU Dominguez Hills campus tours; and to participate in educational services to all educational institutions.

PUBLIC SAFETY

IBC B2/A-122
(213) 516-3639

The Department of Public Safety is a service-oriented campus agency that 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 also is responsible for parking and traffic control, environmental health and safety activities, fire prevention, and the information booth.

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. The Department renders 24 hours-a-day service. All members of

the campus community are encouraged to contact any member of the Department regarding problems that are within the scope of public safety.

The Department of Public Safety also provides related services such as a Lost and Found Service and a Student Patrol. The Student Patrol is available for escort service to and from parking areas and classrooms. This service is provided between 6:30 and 10:30 p.m. on evenings when classes are in session. Student Patrol personnel may be identified by their clearly marked jackets. They also are equipped with walkie-talkies for direct communication with the Department.

Guest parking permits, campus maps, general information and parking restriction pamphlets may be obtained from the information booth. Disabled parking permit applications may be obtained at the public safety service counter.

The operation and maintenance of a daily parking permit dispensing machine, which is located near the Information Booth, is Public Safety's responsibility. Report any malfunction to the Public Safety Office.

The Department of Public Safety is open 24 hours each day of the year.

RECREATION

FHC B-010
(213) 516-3763

Physical education facilities such as a gymnasium, swimming pool, weight room, 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 no conflict exists with classes or other scheduled events. Information regarding recreational use of physical education facilities should be directed to the Athletic Department.

REENTRY PROGRAM

IBC B5/C-128
(213) 516-3625

A majority of the students at CSU Dominguez Hills have had a significant break in their education and are considered reentry students. Approximately 50 percent of undergraduates are more than 25 years of age and approximately 62 percent of the graduate population is over the age of 30.

The main purpose of the Take II Reentry program is to introduce students to the campus, to show them how it works, and to encourage them to make it work for them. Initially, returning students can draw support from the program and then ease away from it as their own confidence increases. The office is located in IBC C-128. The telephone number is (213) 516-3625.

REGISTRAR

IBC B13/J-127
(213) 516-3614

The Office of the Registrar is responsible for the maintenance of all current and historical student records. The Office of the Registrar provides such services as: 1) registration and schedule adjustment; 2) transcript services; 3) graduation evaluation and certification; 4) grade processing, posting and changing; 5) veteran affairs; 6) student enrollment certification; 7) changes in student demographic and major/minor information; 8) general university information.

In addition to providing a variety of student services, the Office of the Registrar is responsible for the Schedule of Classes and a variety of campus and system-wide enrollment and academic reports.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

University Advisement Center
IBC B3/B-145
(213) 516-3366

Three universities (CSU Long Beach, University of California at Los Angeles and Loyola Marymount University) in the greater Los Angeles area host ROTC units and programs, which are open to both men and women regular students at CSU 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. For additional information, contact the office listed above or the Department of Military Science, CSU Long Beach at (213) 985-5766.

Army Reserve Officers' Training Corps (AROTC)

The Army Reserve Officers' Training Corp (AROTC) Program offers leadership and management training through Special Programs to qualified CSU Dominguez Hills students. AROTC offers two-, three-, and four-year programs leading to a commission as a second lieutenant in the United States Army, Army Reserve, or Army National Guard. Participants must be full-time students at the undergraduate or graduate level and meet physical and other qualifications for commissioning as an army officer. ROTC classes are conducted both at CSU Dominguez Hills and CSU Long Beach. Students may register on this campus for the CSU Long Beach courses.

Two, three and four year scholarships are available to qualified students. These scholarships pay for full tuition and fees, \$360 per year for books, \$100 per academic month, and \$800 summer camp pay. Scholarships are based strictly on academic merit; financial need is not considered. One semester of a language is required for scholarship applicants.

The normal four-year program consists of the basic and advanced courses. The basic courses consist of lectures and leadership laboratory normally taken during the freshman and sophomore years. The advanced courses cover the final two years and includes a summer advanced camp with pay and travel expenses. Advanced courses are three units per semester.

At present only the basic course is offered at CSU Dominguez Hills. The advanced courses are taken at CSU Long Beach. Students who have prior service in the Army Reserves or Army National Guard, or have at least 30 semester units will be qualified to enter the advanced courses without the basic course.

The three-year program enables a student with three academic years remaining in college to accelerate what is normally a four-year program by taking two AROTC courses per term the first year plus a one hour weekly laboratory.

The two-year program (Advanced Courses only) is available to students who have two years remaining toward a baccalaureate or graduate degree. Students attend a six-week basic camp with pay the summer before enrolling in the advanced courses. They may compete for two-year scholarships during camp. Applications must be completed by April of that year. Camp attendees are under no obligation to complete the program.

Veterans (including enlisted members of the Guard and Reserve) usually qualify to enter the advanced course without basic camp. They are eligible to receive the \$100 per month allowance as well as any veterans' benefits to which they are entitled.

All students attend a summer advanced camp between the first and second years of the advanced courses. The camp is at Fort Lewis, Washington, and consists of a six-week leadership development course.

Students enrolled in AROTC are invited to join the Ranger Club, Color Guard, and the Cadet Association. These groups

are very active and participate in numerous activities throughout Southern California.

Air Force

Through arrangements with the California State University, Long Beach, the University of California at Angeles, and Loyola Marymount University, the two- and four-year Air Force Reserve Officer Training Corps (AFROTC) program is available to all qualified students at CSU Dominguez Hills. Academic units earned in this program are counted as elective credits toward graduation. Successful completion of the AFROTC program leads to a commission as a second lieutenant in the US Air Force.

Four-year scholarships must be applied for before December 1 in the calendar year prior to entering college. All two- and three-year scholarships are also available on a competitive basis. All scholarship recipients receive full tuition, required fees, 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.

For additional information, contact the Department of Aerospace Studies (AFROTC):

University of California, Los Angeles
Los Angeles, CA 90024
(213) 985-5743

Loyola Marymount University
Los Angeles, CA 90045
(213) 642-2770

California State University,
Long Beach
Long Beach, CA 90840-5503
(213) 985-5743

General Information: The Departments of Aerospace Studies offers a program of instruction leading directly to 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 an undergraduate or graduate degree. Those students who qualify for and plan to enter Air Force pilot training will be given flight instruction during their junior year in the program.

THE SERENITY CENTER

IBC B12/H-123
(213) 516-3656

The Serenity Center provides information and education on the prevention of alcohol and other drug abuse. It is a drop-in center for students, faculty and staff members interested in programs, support groups, or activities connected with clean and sober living. The Center staff welcome all inquiries, either in person or by telephone. In addition, the Center offers workshops and activities that stimulate campus awareness on specific issues connected with substance abuse. Annual activities include National Collegiate Alcohol Awareness Week, National Collegiate Drug Awareness Week, California Red Ribbon Week to End Drug Abuse and a Sober St. Patrick's Day celebration.

STUDENT AFFAIRS

ERC D-514
(213) 516-3784

Student Affairs includes Admissions, Advisement Center, Athletics, Educational Opportunity Program, Enrollment Services (Records), Financial Aid, Health Programs and Psychological Counseling, Housing, International Students, Learning Assistance Center (learning assistance, tutorial programs), Outreach (Information Center and relations with schools), Public Safety, Student Affirmative Action, Student Development (career development and employment services, personal counseling), Student Programs, (activities, Disabled Student Services, off-campus housing, Serenity Center, Union, Veterans' Affairs, and the Women's Center), and Testing Center.

The Student Affairs staff aids in solving institutional and administrative problems. In order to enhance the total educational experience of students, it also assists in the provision and

implementation of solutions for problems that are or may be encountered by those attending the University.

STUDENT AFFIRMATIVE ACTION

IBC B4/N-124
(213) 516-3657

Student Affirmative Action (SAA) in The California State University (CSU) is a statewide effort to increase the number of regularly admissible, underrepresented minorities in post-secondary education. Identification of the underrepresented minority groups at each one of the 19 institutions in the CSU system is based on local demographic information. The underrepresented groups at CSU Dominguez Hills are Mexicans, Chicanos/Mexican Americans, Black males, and Pacific Islanders.

The SAA Outreach Program combines developmental, direct and graduate outreach projects to encourage those we serve to plan ahead for college eligibility, to seek and gain admission to the educational institution they select, and to pursue post baccalaureate degrees. The Developmental and Direct Outreach Projects have been designed to enhance academic preparation and raise the aspirations of underrepresented minority students. The Graduate Outreach Project provides SAA targeted students access to graduate and professional educational opportunities at CSU Dominguez Hills and other institutions of higher education.

Once admitted, SAA students are referred to the University Advising Center (UAC) for services designed to assist them with the continuation and completion of their education. To achieve this end, the UAC-SAA Retention Program provides student advising, referrals for instructional support services, faculty mentors, workshops and special multi-cultural activities to promote and encourage student participation and persistence on campus.

The Student Affirmative Action Office is located in the Small College area of the University, room N-124. For more information, call (213) 516-3657 or 516-3696.

STUDENT DEVELOPMENT

IBC B5/C-128
(213) 516-3625

The Student Development Office offers programs and educational experiences that complement the classroom experience.



The office staff assists students in learning processes and developing skills that will facilitate the attainment of educational, career and personal goals. The office provides counseling services, career development and employment programs; coordinates the International Program and the National Student Exchange; and teaches academic courses. All of the Student Development programs and services are free to currently registered students of the University. Appointments with counselors should be scheduled at least a week in advance because of heavy demands for services.

For a more detailed account of the specific services, see the sections: "Counseling Programs," "International Programs,"

"Career Placement," "National Student Exchange," and "Reentry."

STUDENT ORGANIZATIONS

Recognized Student Organizations
Office of Student Programs
IBC B12/H-123
(213) 516-3854

Numerous student clubs, honor/service societies and Greek organizations are in existence on the campus, and many students at CSU Dominguez Hills belong to a campus organization because it increases the value of student life. The numbers and types of student organizations vary with each year. Listed below are the current student organizations at CSU Dominguez Hills. They invite your membership and active participation. For more information, contact the Office of Student Programs, IBC K-144.

Cultural Organizations

Black Students' Union of CSU Dominguez Hills does service in the community and on campus in all areas deemed necessary.

Chinese Student Association to help Chinese students adjust to student life at CSUDH and introduce the Chinese culture to others on campus.

Circulo Hispanico to stimulate and encourage the practice of the Spanish language and to explore all cultural aspects of the Spanish speaking world.

International Students Club allows students of CSU Dominguez Hills to share in advancing the intellectual, cultural and social objectives of the University.

Korean Club encourages awareness of Korean culture.

Malaysian International Association allows students of CSU Dominguez Hills to share in advancing the intellectual, cultural and social objectives of this University. Also the Association raises funds for trusts, scholarships and loans to be awarded to club members in time of need.

M.E.Ch.A. aids in academic retention and raising the level of social consciousness in both the University and its community for the betterment of Hispanics.

Polynesian Club to unite all Polynesian students, provide an increased sense of culture, social and academic awareness within the campus community and use this opportunity to develop our identity in a supportive setting.

Departmental-Professional Organizations

Accounting Society promotes the understanding of accounting on campus and arranges contact with national accounting firms and organizations.

American Production and Inventory Control Society to provide a means where by persons interested in operations management and production and inventory control may exchange ideas related to operations management and occupational goals.

Audio Recording and Music Synthesis (A.R.M.S.) supports and enriches the EMR program at CSU Dominguez Hills and provides interested students and organized groups to plan activities.

Black Business Students Association of CSU Dominguez Hills serves all students within the School of Management who are in need of understanding the environment for minority students.

CAPHERD (California Association for Health, Physical Education, Recreation and Dance) promotes the professional interests and coordinates the professional concerns of students within the fields of physical education, recreation and dance.

CSUDH Association of Computing Machines to increase knowledge of the languages and applications of modern computing machinery and to promote greater interest in computing machinery as well as to encourage better communications about computing machinery.

Data Processing Management Association encourages the advancement of the profession of data processing management.

Dance Club assists, supports and promotes all dance activities for the CSU Dominguez Hills dance program and increases awareness of dance as an art form.



Finance Association provides its members a contact with the professional world of finance, and an opportunity to enhance learning and skills in finance.

Hispanic Association of Natural and Social Sciences extends a valued relationship between the students and the scientific community.

Hispanic Business Association develops professional business attitudes and skills; advertises employment opportunities and meaningful business careers.

International Business Association heightens the awareness of business students to the field of international business.

Marketing Association furthers the major purposes of the American Marketing Association.

National Association of Black Accountants to bring together individuals with similar academic and professional interest, advance professional development, and to instill desire for self improvement.

Labor Studies Club to increase awareness at CSUDH of labor related topics.

Literary Club to serve as a support group for publication of the CSUDH Literary/Arts Magazine and to further interest in creative writing and to provide support for student writers.

Phi Alpha Delta assists students in achieving several broad objectives of prelegal education as 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.

Political Science Club to educate and involve students, staff and faculty in the democratic process of the U.S., and global politics. (The Political Science Club is a non-partisan organization).

Science Society promotes understanding and appreciation of science/mathematics on the CSU Dominguez Hills campus and provides a medium for interaction among students and faculty.

Spectrum Art Club promotes art and art activities at CSU Dominguez Hills.

Student Association Volunteering for Education unites college students with elementary students through voluntary tutorial services. This inter-action is hoped to stimulate a positive motivation for education while providing a positive

social atmosphere for the children of surrounding communities.

Student California Teachers Association will help to develop, in prospective educators, an understanding of the teaching profession.

Recreation/Sports Organizations

Cycling Club to promote fitness and awareness to students, staff, and faculty through campus activities.

Recreation Club to develop recreational skills and professionalism; provides recreational experiences for the student body and networking among students, alumni, and professionals.

Religious Organizations

Campus Crusade for Christ to help students develop a personal relationship with Jesus Christ through Bible study, fellowship, socials, and discipleship.

Hillel to promote appreciation of, and participation in, Jewish cultural, social, and educational activities, and be of service to the school.

Inter-Varsity Christian Fellowship provides fellowship for Christian students, spreads the good news of Christian hope to students and develops students into mature Christians who can bring Christian hope to the world.

Service Organizations

Black and Gold Club stimulates the ambitions of its members; prepares them for the greatest usefulness in the causes of humanity, freedom and dignity of the individual; encourages the highest and noblest form of manhood and womanhood.

Campus Outreach Opportunity League promotes active involvement in the community service area by CSU Dominguez Hills students.

Circle K Club serves the campus and community; provides the opportunity for leadership training in service at CSU Dominguez Hills.

National Association for the Advancement of Colored People (NAACP) of CSU Dominguez Hills to improve the political, educational, social, and economic status of minority groups; to eliminate racial prejudice; to keep the public aware of the adverse effects of racial discrimination; and to take all lawful action to secure its elimination.

Special Interest Organizations

Andante serves as a vehicle for disabled students to participate in activities on campus.

Gay and Lesbian Students' Union provides social support; educates and creates awareness of Gay/Lesbian issues.

National Student Exchange Delegation (NSED) stimulates, support and enhances the social, cultural and academic life of students who are at CSU Dominguez Hills via the National Student Exchange.

ROTC Association of CSUDH to introduce students to the ROTC program through promoting, sponsoring, and participating in school activities.

Honor/Service Societies

(May require minimum GPA and/or particular departmental affiliation.)

Alpha Kappa Delta: AKD is an international Sociology honor society that promotes speakers, educational exchange, special tutoring opportunities, and a professional network for outstanding students.

Delta Mu Delta: The purpose of Delta Mu Delta is to promote higher scholarship in training and education for business and to recognize and reward scholastic attainment in business administration.

Mu Phi Epsilon: International professional music fraternity - Gamma Sigma Chapter. Dedicated to the advancement of music in America and throughout the world, the promotion of

musicianship and scholarship, loyalty to the Alma Mater, and the development of a true bond of friendship.

Phi Alpha Delta: PAD is an international law fraternity whose pre-law program is dedicated to improving law-related undergraduate education and career counseling.

Phi Delta Kappa: Professional education fraternity dedicated to the promotion and improvement of publicly supported and universally available education.

Phi Kappa Phi: National honor society. The primary objective of the society is to recognize and encourage superior scholarship in all academic disciplines.

Pi Alpha Alpha: National honor society for public affairs and administration.

Pi Delta Phi: Membership in Societe d' Honneur Francaise is based upon faculty recommendation, high academic achievement and outstanding scholarship in the French language and literature.

Psi Chi: National honor society in Psychology. Psi Chi was founded for the purpose of encouraging, stimulating, maintaining scholarship in and advancing the science of psychology.

Sigma Delta Pi: Spanish national honor society - Nu Xi Chapter. Seeks to honor those who wish to attain excellence in the study of Spanish language, literature and culture, and those who strive to make Hispanic contributions to modern culture better known in the world.

Sigma Xi: Scientific research society. Encourages original investigation in natural science, pure and applied. Associate membership may be granted to any student who has shown an aptitude for research in these areas.

Fraternities and Sororities

Alpha Chi Epsilon Fraternity: Founded to generously serve CSU Dominguez Hills, the student body and the community in whatever capacity their services are needed.

Alpha Kappa Alpha Sorority: Xi Upsilon Chapter seeks out women who meet the standards of Alpha Kappa Alpha Sorority and those women who are interested in the pre-set goals and ideals of Alpha Kappa Alpha Sorority, Inc.

Gamma Pi Lambda Psi to serve with pride our school and community.

Kappa Alpha Psi to encourage community service, brotherhood and achievement.

Phi Kappa Theta to bring congenial standings into harmonious relationship to better achieve these objectives; to encourage the attainment of high scholarship; to deepen the spiritual and enrich to temporal lives of its members through a well-balanced program of spiritual, intellectual, and social activities; and to promote appropriate projects for the benefit of the college and the community.

Sigma Pi this chapter was founded to advance the causes of the Sigma Pi Fraternity International.

STUDENT PROGRAMS

IBC B12/H-123
(213) 516-3854

A quality higher education begins, but does not end, with the classroom experience. An ideal educational program also offers students ample opportunity to experience personal growth through participation in special programs and activities, and provides access to services that enrich campus life.

Providing those opportunities is what the Office of Student Programs is all about. Social, cultural and recreational programs and activities are offered for CSU Dominguez Hills students through the office, which also maintains a calendar of student events.

The office supervises and assists five main student support programs: Disabled Student Services, Student Activities (and

temporary Union), Off-Campus Housing and Veterans' Affairs, the Women's Center, and the Serenity Center.

In addition, the office coordinates several other student services. Students can receive assistance with and information on scheduling events for University facilities, student organization and registration procedures, and the Student-of-the-Month Program. In keeping with Student Programs' efforts to serve as an advocate for students, the office also is responsible for acting as the representative of the vice-president, Student Affairs to the Associated Students.

STUDENT PUBLICATIONS

ERC A-130
(213) 516-3687 (Editorial)

516-3662 (Advertising)

The Journalist's function is to keep the public informed. The seriousness of their job is honored at CSU Dominguez Hills where students learn the art of reporting, writing and disseminating information by publishing a laboratory newspaper, Dominguez News. Such a publication allows communication students to hone their journalistic skills while serving the University constituency. The intent of this commitment is to create an avenue of communication among the students so that they can be informed about what happens on the campus while also having the opportunity to be engaged in that communication process. Such an exercise encourages debate, dialogue, political awareness, cultural sensitivity, sports fever, etc., while fostering an esprit-de-corps.

TELEPHONE SERVICES

ERC D-506
(213) 516-3800

Telephone Services operates and maintains University telephone communications in support of faculty, staff and students. The unit also prints and disseminates information on communications policies and procedures, equipment and usage. It has responsibility for providing and maintaining campus courtesy telephones and directories, public telephones, emergency telephone call boxes, a central answering service for callers and an annual campus telephone directory. Special telephone equipment installations are made to meet educational and support program requirements.

TESTING OFFICE

IBC B5/C-144B
(213) 516-3909

The National and Local Testing Program is coordinated by the Testing Office with test dates, registration materials and tips available for a variety of tests that are administered at various times throughout the year. Registration for tests may be accomplished by visiting the Testing Office or calling (213) 516-3909.

Tests administered by the Testing Office include:

- American College Test (ACT)
- CSU English Equivalency Exam
- California Basic Educational Skills Test (CBEST)
- College Level Exam Program (CLEP)
- Doppelt Mathematical Reasoning Test (DMRT)
- English Placement Test (EPT)
- Entry Level Mathematics Test (ELM)
- Graduate Management Admission Test (GMAT)
- Graduate Record Exam (GRE)
- Graduate Writing Examination (GWE)/Junior English Proficiency Essay Test (JEPET)
- Law School Admission Test (LSAT)
- National Teachers Exam (NTE)
- Miller Analogy Test (MAT)
- Scholastic Aptitude Test (SAT)
- Test of English as a Foreign Language (TOEFL)

VELODROME

7-ELEVEN Olympic Velodrome

Administrative Office: (213) 516-3897

Cycling Office: (213) 516-4000

CSU Dominguez Hills is the only university in the United States to boast a world-class bicycle racing stadium.

Constructed with a donation from the Southland Corporation for the 1984 Los Angeles Olympic Games, the 7-Eleven Olympic Velodrome is located on the west side of the campus. It is operated by the CSU Dominguez Hills Foundation.

The velodrome is a 333.33 meter oval, 7 meters wide, with banks from seven to 33 degrees, built to Olympic specifications to host the finest track cycling competition in the world. Though it often hosts some of the best international cycling athletes, the facility also is available for student use as a place for training and recreational riding. Regular programming includes on-going weekly training times for amateur and novice track riders as well as professional racers and club athletes. Classes are offered for credit through the Physical Education Department, and non-credit classes are offered through the University's Extended Education Program.



The 1990 cycling season includes the multi-race Golden State Grand Prix Series. Ticket discounts are often available for CSU Dominguez Hills students and staff. The bicycle racing season spans from April to October. A youth cycling development program designed to introduce bicycling to more than 500 youngsters will be offered in the Spring of 1990 in cooperation with the Amateur Athletic Foundation of Los Angeles. Entertainment and special events such as concerts, the CSU Dominguez Hills commencement ceremonies, Boy Scout Camporee, city of Carson Fourth of July Spectacular, and others round out a full year of programming at the 7-Eleven Olympic Velodrome.

For more information about events or cycling use of the velodrome, call the Velodrome Administrative Office, (213) 516-3897. For class information, call the Physical Education Department, (213) 516-3761 or the Extension Office, (213) 516-3741.

VETERANS' AFFAIRS

SHC A-106

(213) 516-3643

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

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

Disabled Student Services

SHC A-106

(213) 516-3660

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 circumstances students also may qualify for help with medical needs, living expenses and transportation.

THE WOMEN'S CENTER

IBC B12/H-123

(213) 516-3759

The Women's Center of CSU Dominguez Hills offers a variety of programs and resources, and serves as a place where staff, faculty and students may meet one another and share concerns, knowledge and skills.

The Women's Center provides information about campus and community resources and serves and assists women in recognizing their opportunities, meeting the challenges of today, and accepting and promoting change.

Academic credit for internship in the Women's Center is available through selected departmental programs. Appropriate services of the Women's Center also are available to men. Information about the campus chapter of the Women's Council of the State University may be obtained at the center.



ADMISSION TO THE UNIVERSITY

Before applying for admission to California State University, Dominguez Hills, students should study the list and descriptions of available academic majors carefully.

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
1000 E. Victoria Street
Carson, California 90747

ADMISSIONS PROCEDURES AND POLICIES

Requirements for admission to CSU Dominguez Hills are in accordance with Title 5, Chapter 1, Subchapter 3, of the California Code of Regulations. Students unsure of these requirements should consult a high school or community college counselor or the Admissions Office. Applications may be obtained from the Admissions Office at any of the campuses of The California State University or at any California high school or community college.

Importance of Filing Complete, Accurate, and Authentic Application for Admission Documents

The CSU advises prospective students to supply complete and accurate information on the application for admission, residence questionnaire and financial aid forms. Further, applicants must submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate and authentic application documents may result in denial of admission, cancellation of academic credit, suspension or expulsion (Section 41301, Article 1.1, Title 5, California Code of Regulations).

Undergraduate Application Procedures

Prospective students, applying for part-time or full-time programs of study, in day or evening classes, must file a complete application as described in the admissions booklet. The \$45.00 non-refundable application fee should be in the form of a check or money order payable to The California State University and may not be transferred or used to apply to another term. Applicants need file only at their first choice campus. An alternative choice campus and major may be indicated on the application, but applicants should list as an alternative campus only that campus of The California State University that they can attend. Generally, an alternative major will be considered at the first choice campus before an application is redirected to an alternative choice campus. Applicants will be considered automatically at the alternative choice campus if the first choice campus cannot accommodate them.

Impacted Programs

The CSU designates programs to be impacted when more applications are received for a program in the first month of the filing period than the spaces available. Some programs are impacted at every campus where they are offered; others are impacted at some campuses but not all. Students must meet supplementary admissions criteria if applying to an impacted program. The CSU will announce before the opening of the fall filing period which programs are impacted and the supplementary criteria campuses will use. That announcement will be published in the CSU School and College Review, distributed to high school and college counselors. We will also give information about the supplementary criteria to program applicants.

Students must file an application for admission to an impacted program during the first month of the filing period. Further, if a

student requests enrollment in impacted programs at two or more campuses, he/she must file an application to each campus. Nonresident applicants rarely are admitted to impacted programs.

Supplementary Admission Criteria

Each campus with impacted programs uses supplementary admission criteria in screening applicants. Supplementary criteria may include ranking on the freshman eligibility index, the overall transfer grade point average and a combination of campus-developed criteria. If students are required to submit scores on either the SAT or the ACT, the test should be taken no later than December if applying for fall admission.

The supplementary admission criteria used by the individual campuses to screen applicants appears periodically in the CSU School and College Review and is sent by the campuses to all applicants seeking admission to an impacted program.

Unlike unaccommodated applicants to locally impacted programs, who may be redirected to another campus in the same major, unaccommodated applicants to system-wide 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.

UNDERGRADUATE ADMISSION REQUIREMENTS

First-time Freshman Applicants (Resident and Nonresident)

A student will qualify for regular admission as a first-time freshman if he/she:

1. is a high school graduate,
2. has a qualifiable eligibility index (see following Eligibility Index Table), and
3. has completed with grades of "C" or better the courses in the comprehensive pattern of college preparatory subject requirements (see "Subject Requirements" and "Phase-in of the Subject Requirements"). Courses must be completed prior to the first enrollment in The California State University.

ELIGIBILITY INDEX - The eligibility index is the combination of a student's high school grade point average and score on either the American College Test (ACT) or the Scholastic Aptitude Test (SAT). For this purpose, the grade point average is computed from the final three years of high school studies, excluding physical education and military science, and uses bonus points for certain honors courses. CSU may offer students early, provisional admission based on work completed through the junior year of high school and planned for their senior year.

Students can calculate the index by multiplying their grade point average by 800 and adding their total score on the SAT. Or, if the ACT was taken, students should multiply their grade point average by 200 and add ten times the composite score from the ACT. If a California high school graduate (or a legal resident of California for tuition purposes), the student needs a minimum index of 2,800 using the SAT or 674 using the ACT; the following table shows the combinations of test scores and averages required. If a student neither graduated from a California high school nor is a legal resident of California for tuition purposes, he/she needs a minimum index of 3,402 (SAT) or 822 (ACT).

Applicants with grade point averages above 2.99 (3.60 for nonresidents) are exempt from the test requirement.

Students will qualify for regular admission when the university verifies that he/she has a qualifiable eligibility index and will have completed the comprehensive pattern of college preparatory subjects and, if applying to an impacted program, meet supplementary criteria. A student will still qualify for regular admission, on-condition, that he/she otherwise is eligible but is missing a limited number of the required subjects (see "Phase-in section). 'Conditional admission' is an alternative

means to establish eligibility for regular admission. Please consult a counselor if you have questions.

Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section.

SUBJECT REQUIREMENTS - The California State University requires that first-time freshman applicants complete, with grades of "C" or better, 15 units in a comprehensive pattern of college preparatory courses. A "unit" is one year of study in high school.

English, 4 years

Mathematics, 3 years algebra, geometry and intermediate algebra.

U.S. History or U.S. History and government, 1 year.

Science, 1 year with laboratory: biology, chemistry, physics, or other acceptable laboratory science.

Foreign language, 2 years in the same language (subject to waiver for applicants demonstrating equivalent competence).

Visual and performing arts, 1 year: art, dance, drama/theater or music.

Electives, 3 years: selected from English, advanced mathematics, social science, history, laboratory science, foreign language, visual and performing arts, and agriculture.

Phase-in of the Subject Requirements - CSU is phasing in the freshmen subject requirements and during the phase-in period will admit, on condition, applicants who meet all other admission requirements but are missing a limited number of the required subjects. Students admitted on condition must make up any missing subjects after enrolling in CSU.

Fall 1989 - Summer 1991: at least 12 of the required 15 units, including at least 3 of the units required in English and 2 of the units required in mathematics.

Fall 1991 - Summer 1992: at least 13 of the required 15 units, including at least 3 of the units required in English and 2 of the units required in mathematics.

Fall 1992 and later: full implementation of the 15 unit required expected.

Waiver of Foreign Language Subject Requirements - The foreign language subject requirement may be waived for applicants who demonstrate competence in a language other than English that is equivalent to or higher than expected of students who complete two years of foreign language study. Consult with your school counselor or any CSU campus admissions or relations with schools office for further information.

Subject Requirement Substitution for Students with Disabilities - Disabled students applicants are strongly encouraged to complete college preparatory course requirements if at all possible. If an applicant is judged unable to fulfill a specific course requirement because of his or her disability, alternative college preparatory courses may be substituted for specific subject requirements. Students who are deaf and hearing impaired, have learning disabilities, or are blind and visually impaired, may in certain circumstances qualify for substitutions for the foreign language, mathematics and laboratory science subject requirements. Substitutions may be authorized on an individual basis after review and recommendation by the applicant's academic adviser or guidance counselor in consultation with the director of a CSU disabled student services program. Although the distribution may be slightly different from the course pattern required of other students, students qualifying for substitutions will still be held for 15 units of college preparatory study. Students should be aware that course substitutions may limit later enrollment in certain majors, particularly those involving mathematics. For further information and substitution forms, please call the director of disabled student services at your nearest CSU campus.

Registration forms and test dates for either test may be obtained from school or college counselors. The California State University testing offices, or directly from the testing service at the address below. For either test, students should submit the registration form and fee at least one month prior to the test date.

ACT

October 28, 1989
December 9, 1989
February 10, 1990

American College Testing
Program (ACT)
Registration Unit
Box 168
Iowa City, Iowa 52240

SAT

October 14, 1989
November 4, 1989
December 2, 1989

The College Board (SAT)
Registration Unit
Box 592
Princeton, New Jersey
08541

Eligibility Index Table for California High School Graduates of Residents of California

3.00 and above qualifies with any score.

GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score
2.99	8	410	2.49	18	810
2.98	8	420	2.48	18	820
2.97	8	430	2.47	18	830
2.96	9	440	2.46	19	840
2.95	9	440	2.45	19	840
2.94	9	450	2.44	19	850
2.93	9	460	2.43	19	860
2.92	9	470	2.42	19	870
2.91	10	480	2.41	20	880
2.90	10	480	2.40	20	880
2.89	10	490	2.39	20	890
2.88	10	500	2.38	20	900
2.87	10	510	2.37	20	910
2.86	11	520	2.36	21	920
2.85	11	520	2.35	21	920
2.84	11	530	2.34	21	930
2.83	11	540	2.33	21	940
2.82	11	550	2.32	21	950
2.81	12	560	2.31	22	960
2.80	12	560	2.30	22	960
2.79	12	570	2.29	22	970
2.78	12	580	2.28	22	980
2.77	12	590	2.27	22	990
2.76	13	600	2.26	23	1000
2.75	13	600	2.25	23	1000
2.74	13	610	2.24	23	1010
2.73	13	620	2.23	23	1020
2.72	13	630	2.22	23	1030
2.71	14	640	2.21	24	1040
2.70	14	640	2.20	24	1040
2.69	14	650	2.19	24	1050
2.68	14	660	2.18	24	1060
2.67	14	670	2.17	24	1070
2.66	15	670	2.16	25	1080
2.65	15	680	2.15	25	1080
2.64	15	690	2.14	25	1090
2.63	15	700	2.13	25	1100
2.62	15	710	2.12	25	1110
2.61	16	720	2.11	26	1120
2.60	16	720	2.10	26	1120
2.59	16	730	2.09	26	1130
2.58	16	740	2.08	26	1140
2.57	16	750	2.07	26	1150
2.56	17	760	2.06	27	1160
2.55	17	760	2.05	27	1160
2.54	17	770	2.04	27	1170
2.53	17	780	2.03	27	1180
2.52	17	790	2.02	27	1190
2.51	17	800	2.01	28	1200
2.50	18	800	2.00	28	1200

GPA Below 2.00 does not qualify for regular admission.

Provisional Admission

CSU Dominguez Hills provisionally may admit first-time applicants based on their academic preparation through the junior year of high school and academic plans for the senior year. The senior year of studies, including the required college preparatory subjects, will be monitored by CSU Dominguez Hills to Determine its satisfactory completion and the subsequent graduation from high school.

Undergraduate Transfer Applicants (Resident and Nonresident)

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.

A student will qualify for admission as a transfer student if she/he has a grade point average of 2.0 (C) or better in all transferable units attempted, is in good standing at the last college or university attended, and meets any one of the following standards:

1. You will meet the freshman admission requirements in effect for the term which you are applying (see "Freshman Requirements" section).
(or)
2. a. You were eligible as a freshman at the time of high school graduation and have been in continuous attendance in an accredited college since high school graduation,
(or)
b. You were eligible as a freshman at the time of high school graduation except for the subject requirements, and have made up the missing subjects, and have been in continuous attendance in an accredited college since high school graduation.
(or)
3. Student has completed at least 56 transferable semester (84 quarter) units and has completed appropriate college courses to make up any missing college preparatory subjects (see "Subject Requirements"). (Nonresidents must have a 2.4 grade point average or better.)

For this requirement, transferable courses are those designated for that purpose by the college or university offering the courses.

Making Up Missing College Preparatory Subject Requirements - Undergraduate transfer applicants who did not complete the subject requirements while in secondary school may make up missing subjects in any of the following ways:

1. complete appropriate courses with a grade of "C" or better in adult school or high school summer session.
2. complete appropriate courses in college with a grade of "C" or better.
(or)
3. earn acceptable scores on specified examinations.
4. applicants with 56 or more semester units may complete with a grade of "C" or better in each course, one of the following alternatives:
 - (a) **1987 or earlier high school graduates:** the CSU general education requirement in communication in the English language, (at least 9 semester units) and mathematics (usually 3 semester units);
 - (b) **1988 and later high school graduates:** 30 semester (45 quarter) units to be chosen from courses in English, arts and humanities, social science, natural science and mathematics of at least equivalent level to courses that meet general education or transfer requirements. Each student must complete all CSU general education requirements in communication in the English language (at least 9 semester units) and in mathematics (usually 3 semester units).

Please consult with any CSU admissions office for further information about alternative ways to satisfy the subject requirements.

Additional College Preparatory Courses Recommended
Most academic advisors agree that preparation for university study includes preparation in subjects beyond four years of English and three years of mathematics. Please see section on admission requirements for 1989 found in this portion of the Catalog. Bachelor's degree curricula build upon previous study in the natural sciences, social sciences, visual and performing arts, foreign languages and the humanities. Students planning to major in mathematics, the sciences (including computer science), engineering, pre-medicine, other science-related fields, business or economics should complete four years of college preparatory mathematics. Students in the

social sciences and pre-professional fields of study should include at least three years of mathematics in the preparatory studies. Further, all students should include English and mathematics in the final year of high school.

Test Requirements

Freshman and transfer applicants who have fewer than 56 semester or 84 quarter units of transferable college work must submit scores from either the Scholastic Aptitude Test of the College Board (SAT) or the American College Test Program (ACT). Students may get registration forms and the dates for either test from school or college counselors or from a campus Testing Office. Or, they may write to:

The College Board (SAT)
Registration Unit, Box 592
Princeton, New Jersey 08541

American College Testing Program (ACT)
Registration Unit, P.O. Box 168
Iowa City, Iowa 52240

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

TOEFL Requirement

All undergraduate applicants, regardless of citizenship, whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who have not attended schools at the secondary level or above in which English is the principal language of instruction for at least three years must earn a minimum score of 550 on the Test of English as a Foreign Language (TOEFL). Individual campuses may require a higher score.

High School Honors Courses

Grades in up to eight semester courses, taken in the last two years of high school, which are designated honors in approved subjects, receive additional points in grade point average calculations. Each unit of "A" in approved courses will receive a total of 5 points; "B", 4 points; "C", 3 points; "D", 1 point; and none for "F" grades.

Adult Students

- As an alternative to regular admission criteria, an applicant who is 25 years-of-age or older may be considered for admission as an adult student if he/she meets the following conditions:
1. Possesses a high school diploma (or has established equivalence through either the Tests of General Educational Development or the California High School Proficiency Examination).
 2. Has not been enrolled in college as a full-time student for more than one term during the past five years. Part-time enrollment is permissible.
 3. Has earned a "C" average or better on any college work attempted during the past five years.

A judgment will be based upon a consideration as to whether the applicant is as likely to succeed as a regularly admitted freshman or transfer student and will include an assessment of basic skills in the English language and mathematical computation.

Educational Opportunity Program

The Educational Opportunity Program (E.O.P.) is an admission program that 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 support 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.

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 the appropriate campus department chair 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.

Early Admission Program

CSU Dominguez Hills will recognize outstanding academic achievement of high school students by issuing an early admissions commitment to such applicants, conditional upon the earning of the high school diploma or its equivalent and who have:

A minimum grade point average of 3.40 in all course work completed in the 10th and 11th grades of high school, except military science and physical education.

Evidence of courses completed and planned to satisfy the subject requirements in college preparatory English and mathematics.

Details about the Early Admission Program may be obtained from the Office of School and College Relations, IBC A-130, (213) 516-3699.

Hardship Petitions

The campus has established procedures for consideration of qualified applicants who would be faced with extreme hardship if not admitted. Petitioners should write the Admissions Office regarding specific policies governing hardship admission.

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 CSU Dominguez Hills. Permission is granted only by special action.

Admission of International (Foreign) Students

California State University uses separate requirements and application filing dates in the admission of foreign students. For these purposes, "foreign students" are residents of a country other than the United States or who hold visas as students, exchange visitors, or in other nonimmigrant classifications.

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

1. Foreign applicants are encouraged to consult with an advisor in the Information and Service Center before applying for admission to the University. Because the evaluation of foreign credentials may take considerable time, separate deadlines are in effect for filing applications.
2. Applicants must file part A of the application for admission accompanied by a non-refundable application fee of \$45.00. An application is for a specific term and is not transferable to any other term.
3. Applicants 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.
4. Applicants must submit a financial responsibility statement. The form is available from the Office of Admissions.
5. Freshmen applicants must be determined by the University to have academic preparation equivalent to U.S. high school graduates,

6. Applicants whose academic credentials are from a country other than the United States are required to submit a certified English translation along with the academic records.

Academic records include: year-by-year records for each college or university attended, indicating number of lecture and laboratory hours a week for each course, grades received for each subject; and official documents indicating the awarding of degrees with the title and date conferred. If photocopies are submitted rather than original documents, they must bear the seal of the issuing institution and the actual (not photographed) signature of the college or university registrar. Admission of students who have not attended U.S. institutions is based upon demonstration of preparation equivalent to that required of California residents. The Office of Admissions has the final authority for assessing the transferability of credit.

7. Applicants who are transfer students must have completed 56 transferable semester units (84 quarter) with a grade point average of 2.4 at an accredited U.S. institution. Official transcripts from each institution attended are required.

Readmission of Former Students

CONTINUING STUDENTS: Students may elect to be absent for one semester without losing catalog rights or eligibility for re-registration, subject to the following conditions:

1. A permit to register will not be released to scholastically disqualified students following their most recent semester of attendance at CSU Dominguez Hills.
2. Students who attend another college or university during an absence from CSU 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. The non-refundable \$45.00 application fee is required.
3. Undergraduate students who graduate from CSU Dominguez Hills and wish to continue as graduate students must file a new application for admission. An application fee of \$45.00 is required.

RETURNING STUDENTS: Students who have been absent for two semesters or more prior to the semester of return must apply for readmission, unless approved for and participating in the Planned Educational Leave program, as described in the Regulations section of this catalog.

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 \$45.00 application fee.

A returning student who has not maintained continuing student status or been approved for the Planned Educational Leave Program will lose their catalog rights and will be subject to all the requirements and regulations in the catalog of the year they are readmitted.

A student previously enrolled at the University is not required to file a new application for admission and pay an application fee unless he/she is absent from the University for two semesters 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/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 semester of enrollment will be readmitted on probation provided he/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 normally will not consider a student for reinstatement until the student has not attended for one semester and until all s/he has fulfilled recommended conditions. In every instance, readmission action is based upon evidence that the causes of previous low achievement have been removed. The evidence includes transcripts of work completed elsewhere subsequent to disqualification and objective evidence. A petition for reinstatement must be filed in order for a student to be considered for reinstatement.

APPLYING FOR ADMISSION

1. Students must submit the completed Application for Admission, showing Social Security number, if necessary other evidence of residence, and a \$45.00 non-refundable, nontransferable application fee.
2. A student must have the high school of graduation send an official transcript of record directly to the University if he/she is a new freshman or transfer student with fewer than 56 transferable semester units completed or has not completed high school subject requirement.
3. Students must have each college they have attended (if any) send an official transcript of record directly to the University Office of Admissions.
4. Students must submit ACT or SAT scores if they are new freshmen or transfer students with fewer than 56 transferable semester units completed.

Application Fee

Every applicant for admission or readmission is required to pay a non-refundable, nontransferable fee of \$45.00 each time an application is filed. Remittance by bank draft or money order payable to CSU 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 one semester 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.

Application Filing Periods

TERMS IN 1989-90	APPLICATIONS FIRST ACCEPTED	NOTIFICATION BEGINS
Summer Qtr 1989	Feb 1, 1989	Mar, 1989
Fall Sem or Qtr 1989	Nov 1, 1988	Dec, 1988
Winter Qtr 1990	June 1, 1989	July, 1989
Spring Sem or Qtr 1990	Aug 1, 1989	Sept, 1989

FILING PERIOD DURATION: Each campus accepts applications until capacities are reached. Many campuses limit undergraduate admissions in any enrollment category because of overall enrollment limits. If applying after the initial filing period, consult the campus admissions office for current information.

Application Acknowledgement

Normally students may expect to receive an acknowledgement of their application from their first choice campus within two to four weeks of filing the application. A notice that space has been reserved for a student also will include a request that the student submit the records necessary for the campus to evaluate his/her qualifications. A student may be assured of admission if the evaluation of his/her qualifications indicate that he/she meets admission requirements. Such a notice is not transferable to another term or to another campus.

Use of Social Security Number

Applicants are required to include their Social Security account number in designated places on applications for admission, pursuant to the authority contained in Title 5, California Code of Regulations, Section 41201. The Social Security account number is 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.

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 semester.

Determination of Residence for Nonresident Tuition Purposes

The campus Office of Admissions determines the residence status of all new and returning students for nonresident tuition purposes. Responses to the Application for Admission and, if necessary, other evidence furnished by the student are used in making this determination. A student who fails to submit adequate information to establish a right to classification as a California resident will be classified as a nonresident.

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 law governing residence determination for tuition purposes by the California State University is found in Education Code Sections 68000-68090, 90408, 89705-89707.5, 68123, 68124, and 68121, and in the California Code of Regulations, Sections 41900-41912. A copy of the statutes and regulations is available for inspection at the Office of Admissions, IBC J-103.

Legal residence may be established by an adult who is physically present in the state and who, at the same time, intends to make California his or her permanent home. Steps must be taken at least one year prior to the residence determination date to show an intent to make California the permanent home with concurrent relinquishment of the prior legal residence. The steps necessary to show California residency intent will vary from case to case. Included among the steps may be registering to vote and voting in elections in California; filing resident California state income tax forms on total income; ownership of residential property or continuous occupancy or renting 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 banks; maintaining permanent military address and home of record 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 the student's stay in California.

In general, the unmarried minor (a person under 18 year of age) derives legal residence from the parent with whom the minor maintains or last maintained his or her place of abode. The residence of a minor cannot be changed by the minor or the minor's guardian, so long as the minor's parents are living.

A married person may establish his or her residence independent of his or her spouse.

An alien may establish his or her residence, unless precluded by the Immigration and Nationality Act from establishing domicile in the United States. An unmarried minor alien derives his or her residence from the parent with whom the minor maintains or last maintained his or her place of abode.

Nonresident students seeking reclassification are required by law to complete a supplemental questionnaire concerning financial independence.

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 are:

QUARTER TERM CAMPUSES SEMESTER TERM CAMPUSES

Fall	Sept 20	Fall	Sept 20
Winter	Jan 5	Winter*	Jan 5
Spring	April 1	Spring	Jan 25
Summer	July 1		

* Stanislaus only

Questions regarding residence determination dates should be directed to the Office of Admissions, IBC J-103, (213) 516-3600, where residence determination dates for specific terms are available.

There are several exceptions from nonresident tuition, including:

1. Persons below the age of 19 whose parents were residents of California but who left the state while the student, who remained, 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. Minors who have been present in California with the intent of acquiring residence for more than a year before the residence determination date, and who are entirely self-supporting for that period of time.
3. Minors 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, once obtained, is not affected by retirement or transfer of the military person outside the state.
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. Dependent children of California residents who has been a California resident for the most recent year. This exception continues until the student has resided in the state a minimum time necessary to become a resident, so long as continuous residence is maintained at an institution.
7. Full-time State University employees and their children and spouses; State employees assigned to work outside the State 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 one year.
8. Certain exchange students.
9. 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.

Any student, following a final campus decision on his or her residence classification, may make written appeal only within 120 calendar days of notification of the final decision on campus of the classification to:

The California State University
Office of General Counsel
400 Golden Shore
Long Beach, California 90802-4275

The Office of General Counsel may make a decision on the issue, or it may send the matter back to the campus for further review. 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 the California Code of Regulations. Resident students who become nonresidents, and nonresident students qualifying for exceptions whose basis for so qualifying changes, must immediately notify the Office of Admissions. 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 also should 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.

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). The University reserves the right to determine whether a transcript will be accepted as official.

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 rests with the applicant.
3. When ordering transcripts, the request should be addressed to the Office of the Registrar 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 Office of Admissions will not provide copies.
5. A transcript is official if it is sent directly from the school of origin to the Office of Admissions 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 of origin in an envelope sealed by the issuing institution may be accepted as official. A transcript bearing a college seal is not official unless it meets the above guidelines.

6. Undergraduate applicants with less than 56 transferable semester (84 quarter) units completed also must file an official high school transcript showing grades earned during the last three years of high school and date of high school graduation.
7. Upper division undergraduate applicants may be required to submit official transcripts showing completion of high school subject requirements.

First-time Freshmen Applicants

1. Applicants enrolled in their last semester of high school must file a transcript showing all work completed to date (sophomore, junior and first semester of senior year). After high school graduation, a final transcript must be filed.
2. Applicants who have graduated from high school but who have not attended a college or university must file an official transcript showing grades earned during the last three years.

NOTIFICATION OF ELIGIBILITY

In order that students may be informed as early as possible about eligibility, they are urged to apply early in the application period. When notified by the University to do so, they should promptly request that supporting documents (transcripts and test scores) be sent to the Office of Admissions. The time between receipt of an application by the Office of Admissions and notification of eligibility status to applicants will vary.

Early notification will be provided to 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.

Transfer students applying for admission in advanced standing may expect notification approximately 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; a final transcript is required upon completion of work in progress.

HEALTH EXAMINATION

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

Measles and Rubella Immunizations Health

Screening Provisions All new and readmitted former students born after January 1, 1957, will be notified of the requirement to present proof of measles and rubella immunizations. This is not an admissions requirement, but shall be required of students, by the beginning of the next term of enrollment in the CSU. At the beginning of the next term of enrollment, those so notified who have not presented acceptable proof of the immunizations shall be notified further of the need to comply before receiving registration materials to enroll for the succeeding term. Proof of measles and rubella immunizations also shall be required for certain groups of enrolled students who have increased exposure to these diseases.

Persons subject to these health screening provisions include:

- new students enrolling fall 1986 and later;
- readmitted students re-enrolling fall 1986 and later
- students who reside in campus residence halls;
- students who obtained their primary and secondary schooling outside the United States;
- students enrolled in clinical sciences, and practicum, student teaching, or field work involving preschool age children, school age children, or field work taking place in a hospital or health care setting.

The Student Health Center shall provide immunizations without cost to those students unable to obtain acceptable proof of immunizations.

CANCELLATION OF ADMISSION

Admission to the University is for a specific semester. Students who do not register for that semester will have their admission cancelled. When seeking admission at a future date, students must file a new application form, follow the complete application procedure, and meet the current admission requirements. Transcripts on file will be retained for one year.

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. An application for admission is not required. 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 be granted subsequently 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.

CONDITIONAL ADMISSION

A conditional admission may be granted by the University for one semester only, if an applicant has unofficial copies of transcripts on file. The student is allowed to remain in classes for the semester to which the conditional admission was granted. It is 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 semester.

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

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

PRE-ADMISSIONS ADVISING

Pre-Admissions advisors are available in the Information and Service Center, IBC 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 on Academic Advisement.

SYSTEMWIDE TESTS REQUIRED OF MOST NEW STUDENTS

The CSU requires new students to be tested in English and mathematics after they are admitted. These are not admission tests, but provide a way to determine if students are prepared for college work and, if not, the University will counsel these students on how to become better prepared. A student might be exempted from one or both of the tests if he/she has scored well on other specified tests or completed appropriate courses.

English Placement Test (EPT)

The CSU English Placement Test must be completed by all new and readmitted former undergraduates (1) with the exception of those who present proof of one of the following:

a score of 3, 4, or 5 on either the Language and Composition or the Composition and Literature examination of the College Board Advanced Placement Program;

- a satisfactory score on the CSU English Equivalency Examination;
- a score of 470 or above on the Verbal section of the College Board Scholastic Aptitude Test (SAT-Verbal);
- a score of 22 or above on the ACT English Usage Test;
- a score of 600 or above on the College Board Achievement Test in English Composition with essay;
- completion of an acceptable college course in English composition of four quarter or three semester units with a grade of 'C' or better.

Entry Level Mathematics (ELM) Test

All new and readmitted former undergraduate students must take the test and pass it before enrolling in a course that satisfies the college level mathematics requirement of the General Education-Breadth program. Exemptions from the test are given only to those students who can present proof of one of the following:

- a score of 3 or above on the College Board Advanced Placement Mathematics examination (AB or BC);
- a score of 530 or above on the Mathematics section of the Scholastic Aptitude Test (SAT-Math);
- a score of 23 or above on the ACT Mathematics Test;
- a score of 520 or above on the College Board Math Achievement Test, Level 1;
- a score of 540 or above on the College Board Math Achievement Test, Level 2;
- completion of a college course that satisfies the General Education-Breadth Requirement in Quantitative Reasoning, provided it is at a level above that of intermediate algebra with a grade of 'C' or better. Such courses taken in terms prior to fall 1988 may be at the level of intermediate algebra or above.

(1) Undergraduates admitted with 56 or more transferable semester units and who are subject to a campus catalog or bulletin earlier than 1986-87 are not required to complete the EPT.

Failure to take either of these tests, as required, at the earliest opportunity after admission may lead to administrative probation, which, according to Section 41300.1 of California Code of Regulations, and CSU Executive Order 393, may lead to disqualification from future attendance.

Information bulletins and registration materials for the EPT and ELM will be mailed to all students subject to the requirements. The materials also may be obtained from the Office of Admissions. Also see the Academic Skills Assessment Plan in the Requirements for the Bachelor's Degree section of this catalog.

EVALUATION OF ACADEMIC RECORDS**Evaluation of Transfer Credits:**

Previous college work will be evaluated in terms of its relationship to the requirements of CSU Dominguez Hills. All transfer students with complete files (e.g., an official transcript from every institution previously attended has been received) will be issued a Certificate of Admission and Evaluation that serves as a basis for determining General Studies requirements and indicates the amount of transfer credit accepted. The evaluation is official and remains valid as long as the student enrolls in the semester 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 be required to complete at least nine (9) upper division units in General Studies at CSU 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 70 semester (105 quarter) units. Upper division credit is not allowed for courses completed at a community college. Transferability of courses is determined by the community college. Credit is granted for all transferable courses completed at regionally accredited institutions with the exception being the limit on community college credit. Transfer credit is not limited to those courses that precisely parallel the courses offered at CSU Dominguez Hills.

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 24 semester (36 quarter) units earned through extension, correspondence and USAFI may be accepted toward a bachelor's degree.

Credit for Military Service

A total of six (6) semester 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 at the time of application for admission.

Advanced Placement

CSU Dominguez Hills grants credit toward its undergraduate degrees for successful completion of examinations in the Advanced Placement Program of The College Board. Students who present scores of three or better will be granted six (6) semester units of college credit. Credit awarded for Advanced Placement examinations meets campus course equivalents and may be applied to the General Studies program.

Transfer Credit by Examination

CSU Dominguez Hills grants credit to those students who pass examinations that have been approved for credit systemwide. These include the CSU English Equivalency Examination and some CLEP examinations. Students who successfully pass the English Equivalency Examination will be granted six (6) semester units of freshmen English credit.

College Level Examination Program (CLEP)

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

1. General Examinations
 - Student must achieve a minimum passing standard score of 500.
 - Credit granted for general examinations in Humanities, Mathematics and Natural Science may be used to fulfill General Studies requirements as applicable; if not applicable to General Studies, elective credit will be granted.
 - Credit for the English General Examination will not be given until the student completes certain other exams administered by the English Department.
2. Subject Examinations
 - Student must achieve a minimum passing standard score as determined by the University for each examination.
 - Credit will be given only for those examinations determined to be equivalent to CSU Dominguez Hills courses and will be used to fulfill General Studies or major requirements.
 - A student shall not receive credit through CLEP for taking a test in a subject more elementary than those already passed.
 - A student shall not receive a credit if an examination duplicates course work previously noted on a transcript.
 - Credit awarded through CLEP will not count as residence credit. A student may earn up to 30 semester units through CLEP. Unless otherwise indicated, three (3) semester units of credit will be granted for each examination.
3. Credit is allowed for the following CLEP examinations:

GENERAL EDUCATION

Humanities
 Mathematics (1973 edition): both parts
 Natural Science
 Social Science, History
 CSU English Composition Test including a CLEP Test*
 (6 units)

SUBJECT EXAMINATIONS

Analysis and Interpretation of Literature
 General Psychology
 Introductory Sociology**
 Biology
 College Algebra-Trigonometry
 Introductory Calculus with Analytical Geometry
 Statistics
 Introductory Microeconomics
 Introductory Macroeconomics
 Money and Banking
 American History
 Western Civilization
 Computers and Data Processing
 Introduction to Business Management
 Introductory Accounting
 Introductory Business Law
 Introductory Marketing
 General Chemistry

* English composition requirements can be met by a special CSU 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 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.

Credit for Non-Collegiate Instruction

CSU Dominguez Hills grants undergraduate degree credit for successful completion of non-collegiate instruction, either military or civilian, appropriate to the baccalaureate, that has been recommended by the Commission on Educational Credit and Credentials of the American Council on Education. The number of units allowed are those recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs.

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 University, students must have official transcripts forwarded to the Office of Admissions and must file a petition for acceptance of credit. However, after a student has completed 70 semester (105 quarter) units of transferable credit at a community college, no further community college units will be accepted for unit credit toward the total units required for the degree. Course credit will be allowed for meeting course requirements.

GRADUATE AND POST-BACCALAUREATE APPLICATION PROCEDURES

CSU Dominguez Hills welcomes applications from students, without regard to age, sex, race, handicap, national origin, marital status or religion, who provide evidence of suitable preparation for work at the graduate and post-baccalaureate level. Students are advised to contact the appropriate graduate program offices as soon as graduate work is contemplated.

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. Both graduate and post-baccalaureate student must complete "form B" in the application.

A complete application for post-baccalaureate status includes all of the materials required for undergraduate applicants plus the supplementary graduate admissions application. CSU Dominguez Hills students who completed undergraduate degree requirements and who graduated the preceding term are also required to complete and submit an application and the \$45.00 nonrefundable application fee if they wish to continue in post-baccalaureate status.

Since applicants for post-baccalaureate 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 post-baccalaureate 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 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 semester for which application was made. Failure to enroll will result in cancellation of admission. Transcripts will be retained for a maximum of one year. To enroll for a subsequent semester will require a new application and fee.

GRADUATE AND POST-BACCALAUREATE ADMISSION REQUIREMENTS

Graduate and post-baccalaureate applicants may apply for a degree objective, a credential or certificate objective, or may have no program objective. Depending on the objective, the CSU will consider an application for admission in one of four categories:

Post-baccalaureate Unclassified - A student will qualify for admission as an unclassified post-baccalaureate student if s/he

1. holds an acceptable bachelor's degree from a regionally accredited institution or has equivalent preparation as determined by the campus;
2. has a grade point average of at least 2.50 in his/her last 60 semester units; lower division courses taken after obtaining the bachelor's degree and extension courses (except CSU Dominguez Hills upper division resident extension courses or the equivalent on other campuses) will be excluded from the calculation; and
3. is in good standing at the last college attended. In unusual circumstances, a campus may make exceptions to the criteria.

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 who are completing undergraduate courses in preparation for graduate study.

An unclassified post-baccalaureate student completing 500 level courses may apply a maximum of nine 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.

If eligible in post-baccalaureate unclassified standing, students may qualify for:

Post-baccalaureate Classified standing to enroll in a credential or certificate program provided you satisfy the additional professional, personal, scholastic and other standards, including qualifying examinations as the campus may prescribe; or

Graduate Conditionally Classified standing to enroll in a graduate degree curriculum if in the opinion of the appropriate campus authority the student can remedy any deficiencies in prerequisite preparation by specified additional preparation, including qualifying examination; or

Graduate Classified standing to enroll in a graduate degree curriculum if you satisfactorily meet the professional, personal, scholastic and other standards, including qualifying examinations, as the campus 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.

Change of Student Post-baccalaureate or Graduate Status

A student who has been admitted and enrolled and wants to change programs must be accepted by the new department. Requests for a change to a different academic program will be evaluated following policies and procedures parallel to those for new students. The student should file a Petition for Change of Academic Objective which can be obtained from Records or the Graduate Studies Office.

Special Admission Action

An applicant who does not qualify for admission under the regular admission criteria may be admitted to a program by special action if, upon the basis of acceptable evidence, the applicant is judged by the specific 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

Graduates of non-accredited institutions may apply for admission as undergraduate students. Conditionally classified standing as a graduate student may be granted 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 (12 semester 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 specific graduate program coordinator and school dean for conditionally classified standing.

Upon completion of items 1-4, student must petition for conditionally classified standing as a graduate.

Foreign Visa Students

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

1. Applicant must file "Part A" and "Part B" of the application for admission accompanied by a nonrefundable application fee of \$45.00. An application is for a specific term and is not transferable to any other term. Because the evaluation of foreign credentials may take considerable time, separate deadlines are in effect for filing applications.
2. TOEFL Requirement—All graduate and post-baccalaureate applicants, regardless of citizenship, whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive a minimum score of 550 on the Test of English as a Foreign Language (TOEFL). Individual campuses may require a higher score.
3. Applicant must submit a financial responsibility statement. The form is available from the Office of Admissions.

4. Applicants whose academic credentials are from a country other than the United States are required to submit a certified English translation along with the academic records. Academic records include: year-by-year records for each college or university attended, indicating number of lecture and laboratory hours a week for each course grades received for each subject; and official documents indicating the awarding of degrees with the title and date conferred. If photocopies are submitted rather than original documents, they must bear the seal of the issuing institution and the actual (not photographed) signature of the college or university registrar. Admission of students who have not attended U.S. institutions is based upon demonstration of preparation equivalent to that which is required of California residents. The Office of Admissions has the final authority for assessing the transferability of credit. 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 60 semester (90 quarter) units 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. Persons who have transcripts sent but who do not enroll are advised that transcripts are retained for one year, after which they are destroyed.
3. Any student who earned a bachelor's degree at CSU 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 Office of the Registrar 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, quantitative and analytical) as well as 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). Applicants to the graduate programs in the School of Education who do not possess the required GPA for admission may qualify by achieving a score of 40 or more on the Miller Analogies Test. Students applying to Basic Credential programs must pass the California Basic Educational Skills Tests (CBEST).

Examination schedules are available from the Testing Office. Application forms also are available from that office. It is the responsibility of the applicant formally to request that all required test scores be mailed directly to CSU Dominguez Hills, Office of Admissions.

TOEFL Requirement

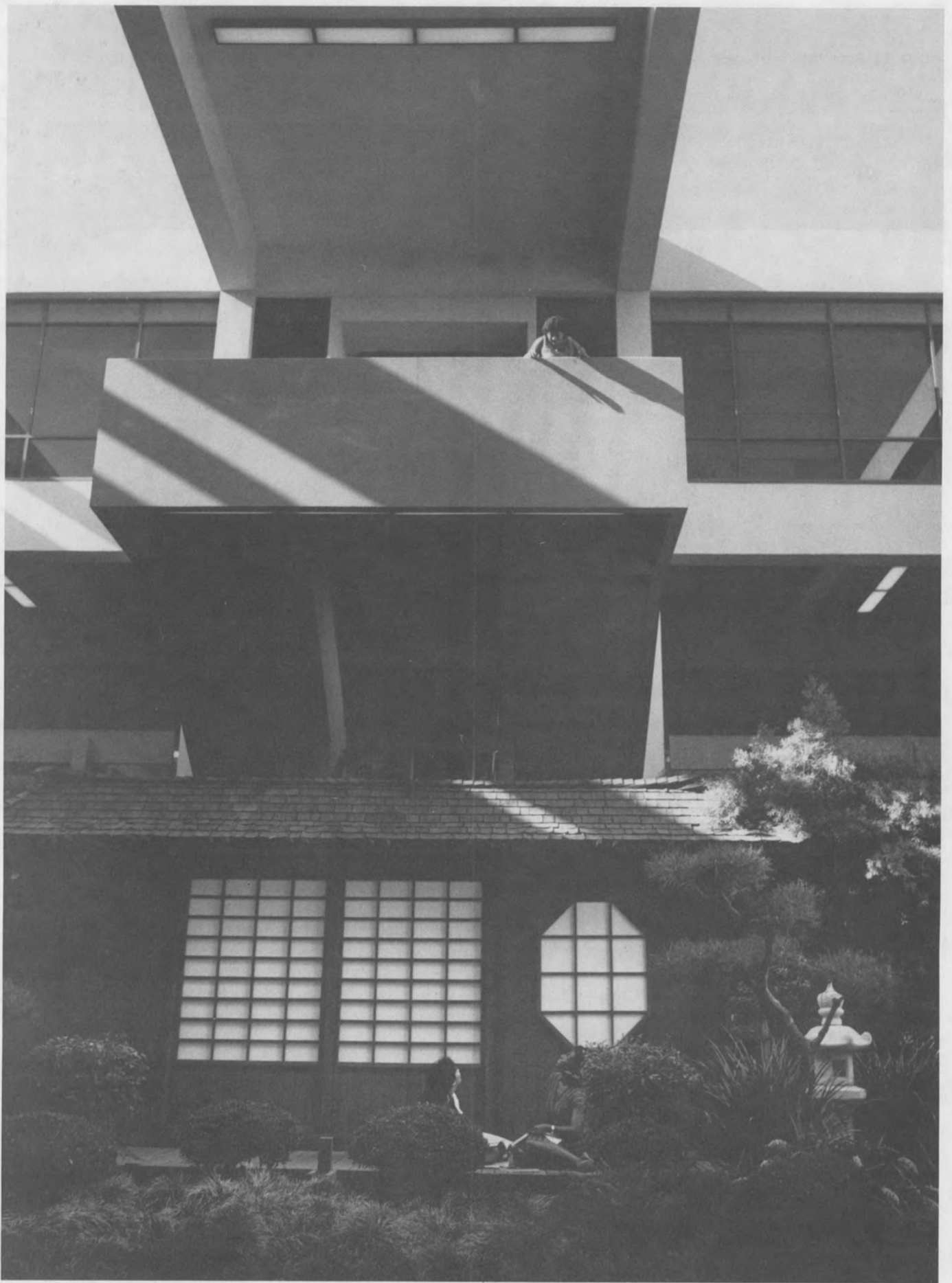
All graduate and post-baccalaureate applicants, regardless of citizenship, whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive a minimum score of 550 on the Test of English as a Foreign Language (TOEFL). Individual campuses may require a higher score.

Credit for Transfer Graduate Work

In order to have courses considered for receipt of 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. 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 9 semester 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), and must be relevant to the degree program as a whole.

Extension courses may apply (and will be included as part of the maximum of 9 units allowable) 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 (500 level series, if from CSU Dominguez Hills) may apply. Transfer credit is subject to evaluation and advisor approval. The formal Request for Evaluation must be completed and approved by the graduate advisor and submitted to the Office of the Registrar for final review.

Transferred courses are subject to the regulation that courses for the master's degree must be completed within the five year period immediately preceding the term of graduation.



FEES AND FINANCIAL AID

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 University 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.

The following information concerning the cost of attending CSU Dominguez Hills is available from the Information and Service Center, IBC A-130, phone (213) 516-3696. This information includes:

1. fees and tuition (where applicable);
2. estimated costs of books and supplies;
3. estimates of typical student room and board costs or typical commuting costs; and
4. any additional costs of the program in which the student is enrolled or expresses a specific interest.

Credit Cards

VISA and MasterCard bank credit cards may be used for payment of Student Fees.

APPLICATION FOR ADMISSION TO THE UNIVERSITY

- \$ 45.00 **Application fee** (non-refundable) payable by cash, check or money order at time of applying (\$55.00 effective Fall 1990).

FEES REQUIRED AT REGISTRATION (per semester)

	State University Fee (All Students)
\$ 219.00	0 to 6.0 units
375.00	6.1 or more units
	Student Activity Fee
\$ 15.50	Fall Semester
10.50	Spring Semester
	Student Center Fee
\$ 20.00	All students
	Facilities Fee
\$ 3.00	All students
	Instructionally Related Activities Fee
\$ 5.00	All students
	Non-Resident Tuition Fee (in addition to fees charged all students)
\$ 189.00	U.S. Citizens - per unit or fraction thereof
189.00	Foreign-Visa Students (Students who are citizens and residents of a foreign country) - per unit or fraction thereof

The total fee paid per term will be determined by the number of units taken, including those in excess of fifteen.

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.

*Fees subject to change.

PARKING FEES

\$ 54.00	Four wheeled motorized vehicles (per semester)
13.50	Two-wheeled motorized vehicles -includes mopeds (per semester)
36.00	Summer Session permit

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.

\$ 4.00	Identification Card (one time for each student)
12.00	Competency in Writing Test
25.00	Late Registration (assessed the day instruction begins)
10.00	Checks returned for any cause
cost	Items lost or broken
	TRANSCRIPT OF RECORD
\$ 4.00	Single Transcript
2.00	Additional transcripts prepared at the same time up to ten (10) transcripts
1.00	Additional transcripts prepared at the same time that exceed the first ten (10) transcripts
	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 plus posted service charge)
10.00	Graduation Fee
10.00	Graduation Date Change Fee
7.00	Diploma Fee

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 campus, 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 Office of Admissions or the Office of the Registrar's, which determine eligibility.

INSTALLMENT PAYMENT OF NON-RESIDENT FEES

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 payment is limited to three equal installments.

The first installment shall be due 30 days from the date for payment of registration fees by resident students. The second installment shall be due 30 days following the first installment.

The third installment shall be due 30 days after the second installment. A 15% service charge will be added to each installment payment to cover the cost of handling. Any student failing to make timely installment payments will be ineligible to pay fees on an installment basis in subsequent semesters.

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 Information and Service

Center and must be filed in the Office of the Registrar within the time limits specified. Applications received by the Registrar on or before the first day of instruction of each semester are considered as having an effective date of the first day of instruction of that semester.

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 California Code of Regulations. 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 that have elapsed before application for refund is made (for example, requests for refund of the state university fee 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 fees that may be refunded, the circumstances under which fees may be refunded, and the appropriate procedure to be followed in seeking refunds may be obtained by consulting Section 41803 (parking fees), 41913 (nonresident tuition), 42019 (housing charges), and 41802 (all other fees) of California Code of Regulations. In all cases, it is important to act quickly in applying for a refund.

Information concerning any aspect of the refund of fees may be obtained from the Information and Service Center, IBC A-130. In addition, any debt owed to the University by an individual student may be subtracted from the refund due.

Refundable Fees

1. The state university fee, the student body organization fee, the student body center fee, the facilities fee, and instructionally related activities fee upon complete withdrawal from the campus, are refundable except five dollars (\$5), which shall be retained from the state university fee to cover the cost of registration.
2. The difference between the two applicable state university fees, less five dollars (\$5), is refundable 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 Office of 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 refund application.

SOURCE OF FUNDS AND AVERAGE COSTS FOR 1988/89 CSU BUDGET (Projected Enrollment: 261,049 FTE)

	Amount	Average Cost Per Student % (FTE)	Percentage
Total Cost of Education	\$1,906,075,325**	\$7,302	100.0
State Appropriation	1,466,139,000***	5,617	77.0
State Fee Support	268,290,444	1,028****	14.0
Support from Other Sources	171,645,881	657	9.0

* For budgetary purposes, full-time equivalent (FTE) translates total head count into total academic student load equivalent to 15 units per term. Some students enroll for more than 15 units; some students enroll for fewer than 15 units.

** The total cost of education does not include the amount related to lottery and the capital investment of the CSU. The estimated replacement cost of all the system's permanent facilities and equipment on the 19 campuses is currently valued at \$5.3 billion, excluding the cost of land.

*** This figure does not include the capital outlay appropriation of \$122,277,000.

**** The average costs paid by a student include the State University Fee, Application Fee, and Nonresident Tuition. Individual students may pay less than \$1,028 depending on whether they are part-time, full-time, resident or nonresident students.

Non-Resident and Foreign Tuition Fee

If the refund petition is filed with the Registrar before or during the first week of the semester, 100% of the tuition fee will be refunded; during the second week of the semester, 90%; during the third week of the semester, 70%; during the fourth week of the semester, 50%; during the fifth week of the semester, 30% and during the sixth week of the semester, 20%.

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 California Code of Regulations, Sections 42380 and 42381). For example, the institution may withhold permission to receive official transcripts of grades from any person owing a debt. If a student believes that he/she does not owe all or part of an unpaid obligation, the student should contact the campus accounting office. The accounting office, or another office on campus to which the student may be referred by the accounting office, will review the pertinent documentation, including information the student may wish to present, and will advise the student of its conclusions with respect to the debt.

AVERAGE ANNUAL COSTS OF EDUCATION AND SOURCES OF FUNDS PER FULL-TIME EQUIVALENT STUDENT (FTES)

The 19 campuses and the Chancellor's Office of The California State University are financed primarily through funding provided by the taxpayers of California. The total state appropriation to the CSU for 1988/89, including capital outlay and employee compensation increases, is \$1,588,416,000. The total cost of education for CSU, however, is \$1,906,075,325, which provides support for a projected 261,049 full-time equivalent students (FTES)*.

The total cost of education in the CSU is defined as the expenditures for current operations, including all fully reimbursed programs contained in state appropriations, but excluding capital outlay appropriations and payments made to the students in the form of financial aid. The average cost of education is determined by dividing the total cost by the total FTES. The average cost is further differentiated into three categories: State Support (the state appropriation, excluding capital outlay), Student Fee Support, and Support from Other Sources (including federal funds).

Thus, excluding costs which relate to capital outlay (i.e., building amortization), the average cost of education per FTE student is \$7,302. Of this amount, the average student fee support per FTE is \$1,028. The calculation for this latter amount includes the amount paid by nonresident students.

PROCEDURE FOR THE ESTABLISHMENT OR ABOLISHMENT OF A STUDENT BODY FEE

The law governing The California State University provides that a student body fee may be established by student referendum with the approval of two-thirds of those students voting. The Student Body Fee was established at California State University, Dominguez Hills by student referendum on December 17, 1965. The same fee can be abolished by a similar two-thirds approval of students voting on a referendum called for by a petition signed by 10 percent of the regularly enrolled students (Education Code, Section 89300). The level of the fee is set by the Chancellor. An increase in the student body fee may be approved by the Chancellor only following a referendum on the fee increase approved by a majority of students voting. Student body fees support a variety of cultural and recreational programs, child care centers, and special student support programs.

FINANCIAL AID

IBC C-138 (213) 516-3647

The Financial Aid Office administers all financial aid programs available at CSU Dominguez Hills. Funds are given to the University by the federal and state governments and by private parties. Financial aid comes in three forms: gift aid (scholarships and grants), loans and work programs.

The University participates in the following financial aid programs: Pell Grants; Supplemental Educational Opportunity Grants (SEOG); California Educational Opportunity Grants (EOP); Cal Grant A; Cal Grant B; Graduate Equity Fellowship; California Graduate Fellowship; State University Grant (SUG); the Bilingual Education Grant; College Work-Study (CWS); Perkins Loan; Stafford Loan; PLUS and SLS Loans.

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

The Financial Aid Office also acts as an information center for part-time employment opportunities, on and off-campus. Students may get information about part-time employment by viewing the job sheets posted in the Financial Aid Office reception area.

SCHOLARSHIPS

CSU Dominguez Hills, through the generous donations of the sponsors and friends of the University, offers scholarships to assist financially needy and academically qualified students. The following programs require a separate application. Unless otherwise noted, the applications are available in the Financial Aid Office, IBC C-138 or call (213) 516-3647.

INSTITUTIONAL SCHOLARSHIPS

Academic Professionals of California Pioneer Scholarship. Awarded annually, \$300 to a student representing the first generation of his/her family to attend a university. The student must show academic promise and have financial need.

Alan Pattee Scholarship. Children of deceased public law enforcement or fire suppression employees, who were killed in the course of law enforcement or fire suppression duties, are exempt from paying registration fees at CSU Dominguez Hills, as established by the Alan Pattee Scholarship Act, Education Code Section 68121. For further information and eligibility determination, contact the Office of the Registrar at (213) 516-3614. There is no deadline for filing.

Alumni Association Scholarship. Awarded annually to students who have been enrolled in the University for at least two terms, the scholarship covers fees and is awarded based upon scholastic excellence, financial need and outstanding service to the campus and his/her community. For further information, contact the Office of Alumni Affairs, ERC G-511 or call (213) 516-3787.

Army ROTC Scholarship. Three- and two-year Army ROTC scholarships are available for qualified CSU Dominguez Hills students. The scholarship will pay for your tuition, laboratory fees, graduation fees and \$375 a year to purchase books. Qualification for enrollment in Army ROTC courses at CSULB is a prerequisite. For more information, call (213)498-5776

Cheyvonne A. Moore Memorial Grant. In memory of a former student, this grant provides financial assistance to a checker in a supermarket who will be entering CSU Dominguez Hills. Applicants must have a minimum average grade of 2.0 (C).

California Black Faculty & Staff Association Scholarship. Offered annually to currently enrolled minority students of junior and senior academic status, who show scholastic excellence, financial need, outstanding service to CSU Dominguez Hills campus and/or surrounding community. For further information, contact Ed Averette, President (213) 516-3369.

Dominguez Area Property Owners Association Scholarship. Offering two awards for \$400 each, the scholarship is awarded to students on the basis of their service to school and/or community. Recipients must have a 3.0 grade point average, be full-time CSU Dominguez Hills students while receiving the awards, and be a resident of the area bordered by Dominguez, Wardlow, Alameda and Santa Fe Streets, or the Dominguez Manor area.

Dr. Jack McLaughlin Scholarship. One \$500 scholarship is given annually by the Retired Teachers South Bay Division 46 to assist a student who is preparing to become a teacher. Contact the Financial Aid Office for further information

Farmers Insurance Group of Companies Scholarships. Offers two awards for \$500 each. Students must be studying in the fields of insurance, mathematics, business administration, personnel, or another area related to the insurance industry. Contact the Financial Aid Office for further information.

Gerson Scholarship. Disabled students are provided financial assistance with this award. For further information, contact the Disabled Student Services Office, SHC A-106 or call (213) 516-3660.

Henry Lee Wesley Jr. Memorial Scholarship. In memory of a former student, this award of \$100 per academic year provides financial assistance to a health science or related science major, enrolled at least half-time. The student must have a minimum GPA of 3.0, be involved in community, college or church activities, and have financial need.

Ian Meyers Memorial Scholarship. Available to graduate and undergraduate students, this scholarship pays full fees for an academic year. Applicants must have had their education interrupted for at least five years since high school. Applications will be reviewed for the students' service to their school and/or community. Financial aid eligibility required, but merit also will be considered. Applicant's goals and objectives will be evaluated. Must be enrolled at least half-time.

Janice L. Callahan Memorial Scholarship. Disabled students are provided financial assistance with this award. The criteria for selection is based on a grade point average of 2.5 or higher, along with a statement of the students' goals and expectations in life. Contact the Disabled Students Services Office, SHC A-106 or call (213) 516-3660 for more information.

Joseph F. Kennick Scholarship. Applicant must be a senior in high school at the time of application for this scholarship, which pays full fees for academic year. Recipient must be enrolled full-time as a CSU Dominguez Hills student while receiving this grant. Established by friends of Senator Kennick in recognition of his efforts to help establish CSU Dominguez Hills.

Kaiser Permanente Scholarship. Two \$500 awards are offered annually to assist disabled students who might not be able to pursue higher education due to financial need. Student must complete a Kaiser Permanente Scholarship Application and submit three recommendations. Students must demonstrate high academic performance and be seeking a career in a health related field.

Martin Marietta Scholarship. An annual scholarship is awarded to a chemistry or business major with at least a 2.85 G.P.A. Contact Dan Guerrero at (213) 516-3893 for more information.

Presidential Scholarship. The awards provide recognition to academically outstanding high school graduates and community college transfer students who plan to attend CSU Dominguez Hills. Contact School Relations at (213) 516-3301.

Richard Butwell Memorial Scholarship. Contact the President's Office for further information at (213) 516-3301.

University Merit Scholarship. The criteria for these scholarships is established annually by the University Scholarship Committee. Contact the Financial Aid Office for more information at (213) 516-3647.

DEPARTMENTAL SCHOLARSHIPS

Athletics

Unless otherwise noted, contact the Athletic Department, Field House F-016 or call (213) 516-3893 for further information.

Athletic Grants-In-Aid. Available to qualified athletes, the awards are made to both men and women students. Apply before July 1 for upcoming academic year.

Dance Scholarship. The award recognizes a CSU Dominguez Hills Physical Education Dance Minor who exemplifies the goals of the program.

Dr. Clarence L. Shields and Dr. Stephen J. Lombard Athletic Training Awards. Available for students interested in becoming professional athletic trainers, the awards provide financial assistance and the opportunity to work with the University's Athletic Trainer. Apply before July 1 for upcoming academic year.

Vincent Carberry Scholarship. The award recognizes an outstanding woman athlete for her senior year of education at CSU Dominguez Hills.

Business Administration

Charles W. Babbage Scholarship. The scholarship awards \$100 to a continuing student in Computer Information Systems. Recipient is selected by full-time faculty in Computer Information Systems. Contact Dr. John Walter, Department of Computer Information Systems, SBS B-313 or call (213) 516-3348 for further information.

Clinical Sciences

Clara Brodsky Memorial Scholarship. It is limited to Clinical Science students in their clinical year at Kaiser.

Luella M. Welch Memorial Scholarship. It is available to clinical science students in their clinical year. Contact Clinical Sciences Department, (SHC E-111) or call (213) 516-3748 for more information.

Communications

Contact the Communications Department for further details at (213) 516-3313.

Samuel C. Stewart Memorial Scholarship. Students majoring in communications with a journalism concentration are provided financial assistance. The scholarship is designed to encourage the development of professional standards of print journalism by encouraging high school and community college journalists from the South Bay to enroll in the Communications program.

Education

Unless otherwise noted, contact the School of Education, HFA C-316 or call (213) 516-3519 for further information.

Anne Peters Memorial Scholarship. Provides financial assistance to undergraduate as well as graduate students from CSU Dominguez Hills who are majors/minors in Labor Studies,

Sociology, PACE, or Women's Studies. The criteria for selection is based on financial need, past academic performance and academic/career commitment to the above disciplines. Contact the Sociology Department (213) 516-3431.

Joette Lavarini Memorial Scholarship. An annual scholarship is given to a deserving student teacher in memory of Joette Lavarini.

Laura E. Settle Grant. A Teacher Education candidate who is fulfilling student-teaching requirements is provided financial assistance. This scholarship has been established by the California Retired Teachers Association, and is available to a senior or graduate status student enrolled at least half-time. Applications are available during the spring semester.

The Paul Kaufman Memorial Scholarship in Teacher Education. The Paul Kaufman Memorial Scholarship honors an outstanding teacher in the inner city schools of Los Angeles who was a graduate student at CSU Dominguez Hills at the time of his death. Preference will be given to a student with a similar commitment to teaching. Applications and information are available from the Center for Quality Education, HFA C-316, (213) 516-3519.

Health

Karg Scholarship. A continuing student in the Orthotics and Prosthetics Program is recognized with this award. Contact the Health Science Department, IBC A-141 or call (213) 516-3818 for further information.

History

Jack Kilfoil Memorial Scholarship. A full-time undergraduate student majoring in history, or a graduate student in the Public History & Historic Preservation Program is recognized with this award. Contact the History Department, SBS A-306 or call (213) 516-3448 for further information.

Humanities & Fine Arts

Humanities & Fine Arts Scholarship. An outstanding student within the Humanities & Fine Arts program is recognized with this award. Contact the School of Humanities & Fine Arts, HFA E-303 or call (213) 516-3317 for further information.

International Study

International Program. Unless otherwise noted, contact the Student Development Office, IBC C-128 or call (213) 516-3625 for further information.

Del Amo Foundation Scholarship. The scholarship is awarded to outstanding students for study in Spain through the International Program.

International Studies Scholarship. Outstanding students who will be participating in the University's International Program are recognized with these awards.

Peace Scholarship. To promote international education, this scholarship fund is designed to recognize an outstanding foreign student (i.e. a student with a F-1 or J-1 or other similar visa) studying at CSU Dominguez Hills. Contact the International Student Services Office for further details at IBC B-145 or call (213) 516-3906.

Music

Unless otherwise noted, contact the Music Department, HFA A-332 or call (213) 516-3543 for further information. Applications are available in the Music Department during the month of March. All Music Department scholarships require auditions, which are held after the filing period.

Jubilee Choir Scholarship. This scholarship, contributed to the University by the CSU Dominguez Hills Jubilee Choir, is awarded annually to a student who is a full-time music major with a specialty in voice.

Louis Bell Memorial Scholarship. Students who excel in musical performance are provided financial assistance.

Panosian Scholarship. The scholarship, created by the Panosian family, recognizes outstanding orchestral students attending CSU Dominguez Hills.

Mary L. and Frederick C. Peters Memorial Scholarship. The scholarships are designed to further enhance and encourage orchestral musicians to continue their studies at CSU Dominguez Hills.

Mu Phi Epsilon Scholarship. Continuing students who are members of Mu Phi Epsilon Music Honorary Fraternity are recipients of these scholarships, awarded on the basis of grade point average, musical performance, and service to the department and fraternity. Applications are available in the Music Department during March and April.

Music Department Scholarship. Students who excel in music performance are provided financial assistance. Applications are available in the Music Department during March and April.

Physics

Philip Johnson Memorial Scholarship. One scholarship for \$600 each is awarded students who are judged on their potential for academic excellence in physics as evidenced by past scholastic performance, SAT scores, and letters of recommendation. Contact Dr. Ted Will at (213) 516-3591 for further information.

Public Administration

Contact the Department of Public Administration, NSM A-143 or call (213) 516-3444 for further information.

Panosian Scholarship. This scholarship awards \$1,400 to students who wish to be involved in public administration related projects in conjunction with existing city of Carson Performing Arts Activities or the development of the Carson Performing Arts Center. Selection based on competition.

Pi Alpha Alpha Scholarship. The scholarship is designed to encourage outstanding students to study public administration with an eye on a career in public service. Selection is based on competition.

Public Administration Scholarship. A student of public administration who has returned to college after a five-year interruption is the recipient of this \$300 award. Academic potential must be demonstrated.

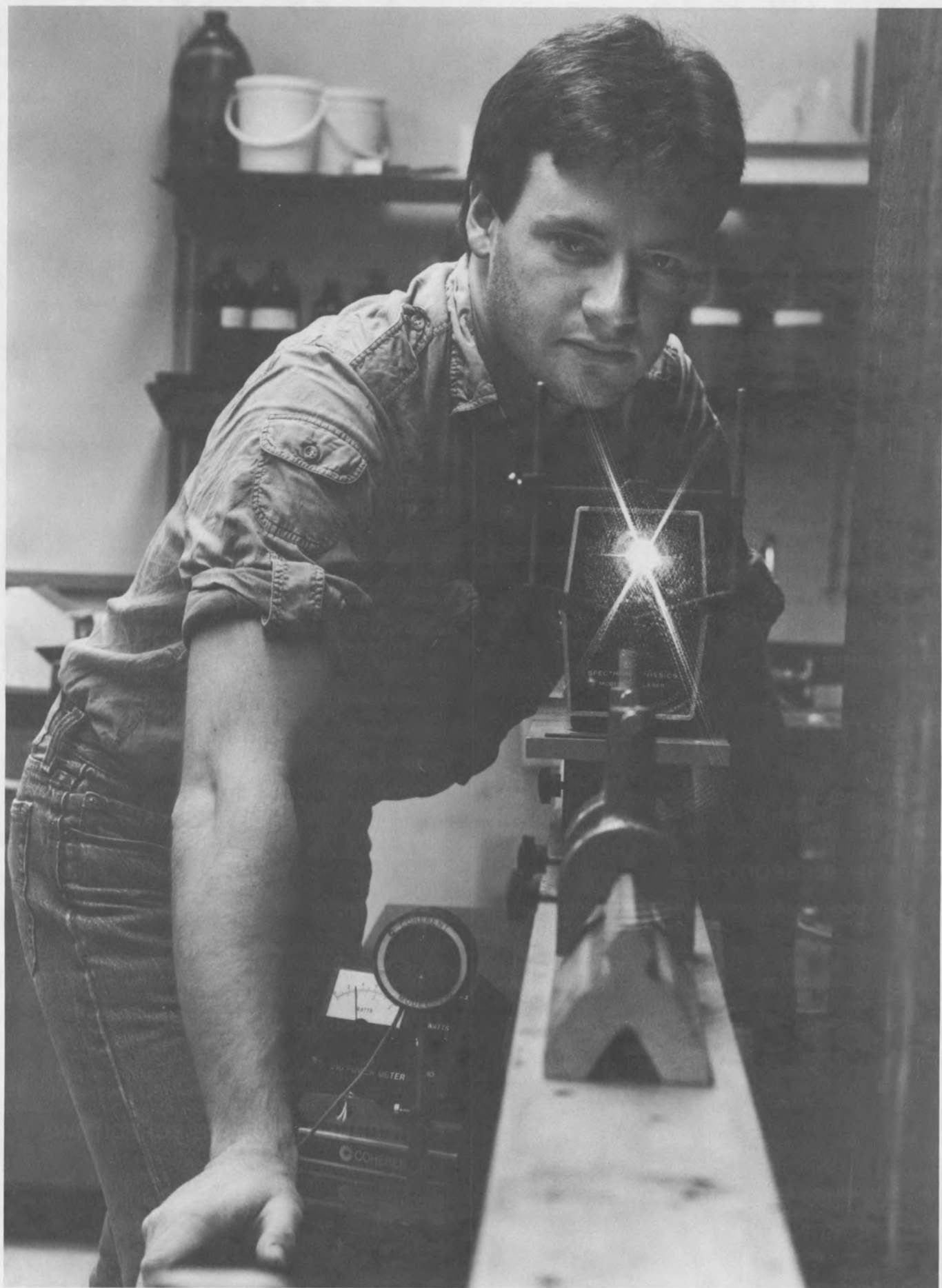
Social Behavioral Sciences

George B. Simon Scholarship. Contact SBS E-306 or call (213) 516-3429 for more information.

Theatre

Dominguez Theatre Guild Grant. Outstanding theatrical students are provided financial assistance. Contact the Theatre Arts Department, University Theatre A-101 or call (213) 516-3588 for further information.

Dominguez Theatre Guild Grant. Outstanding theatrical students are provided financial assistance. Contact the Theatre Arts Department, University Theatre A-101 or call (213) 516-3588 for further information.



ACADEMIC ADVISEMENT AND REGULATIONS

PRE-ADMISSION AND ADMISSIONS ADVISING

If you would like to know more about college life or want to begin the application process, contact the admissions advisors in the Information and Service Center, SCC A-130, (213) 516-3696. All questions about admissions requirements, transfer of previous coursework, application deadlines, and other parts of the application process should be directed to this office.

Information concerning the academic programs, instructional facilities, faculty and other instructional personnel at CSU Dominguez Hills may be obtained from the Information and Service Center or the appropriate academic department(s).

UNDERGRADUATE ACADEMIC ADVISE- MENT FOR ADMITTED STUDENTS: AN OVERVIEW

Good academic advising is a key to obtaining the best college education possible—an education that is intellectually stimulating, supportive of your career goals, and personally meaningful and rewarding. Good advising represents a partnership in which student and advisor use their respective expertise to facilitate the student's learning and decision-making. This section of the catalog will describe all of the major aspects of the advising system at CSU Dominguez Hills. Read the entire section to gain an understanding of the overall system and then concentrate on the particular subsections of greatest relevance to your advising needs.

If you are a new student, the advising process should begin with your participation in New Student Orientation. This orientation will introduce you to key campus leaders and services and to fellow students, provide an overview of graduation requirements, facilitate course selection by giving you the opportunity to work with an academic advisor, answer any questions you might have, and, perhaps most importantly, make it more likely that you will develop those campus bonds which lead to a rewarding and successful college education.

It is highly recommended that the student meet with an advisor at least once each semester and strive for comprehensive advising, not just a signature. Advising goals vary, but comprehensive advising will usually include: 1) providing a context in which students can formulate, develop, and achieve their educational goals and plans; 2) encouraging the exploration and synthesis of personal, academic and career goals; 3) supporting the integration of student learning experiences and 4) encouraging maximum attainment of individual student potential.

Students should maintain an advising folder containing all relevant documents, such as admissions correspondence, Certificate of Admission and Evaluation (if a transfer student), and grade reports. This folder should be brought to each meeting with an advisor.

Advisors will assist students in planning their academic programs, but students ultimately are responsible for meeting all prerequisites and requirements of the degree program.

OBTAINING AN ACADEMIC ADVISOR

Undeclared Majors

Students who have not yet selected an academic major should make appointments for advisement concerning their program of courses in the University Advisement Center, IBC B7/D192A, (213) 516-3538. This office serves as the advising "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 any potential major, and take these courses, so that later a particular major will not be precluded or graduation delayed due to unmet lower division requirements.

Declared Majors/Minors

Students who have decided upon a major/minor should contact the appropriate departmental office to obtain an advisor and establish a program of study. Business administration majors/minors should contact the Business Administration Undergraduate Advisement Center, SBS A-326, (213) 516-3561. Students should have an advising folder to bring to all meetings with an advisor. The advising folder should include transcripts of any previous college work, letters, Certificate of Evaluation, and other documents from the Office of Admissions; in addition, the advising folder should include copies of term grade reports and any change of grades, petitions, etc., from the Office of the Registrar.

THE CAMPUS ADVISING SYSTEM

Required Advising Sessions

There are three points at which each student is required to have an advising session and obtain an advisor's signature prior to registration:

1. Upon first entering California State University, Dominguez Hills
2. At the beginning of the junior year (60 semester units), and
3. At the beginning of the senior year (90 semester units). Students are expected to bring their advising files containing all relevant documents to each of these advising sessions.

General Studies / General Education and Electives Advising

Declared majors and minors receive General Studies/General Education advisement from their departmental advisors; undeclared majors receive such advisement from the University Advisement Center. Students who have non-routine questions about General Studies/General Education requirements, which cannot be answered by their regular advisor, should seek assistance from the University Advisement Center, the coordinator of General Studies, or the admissions evaluators, depending on the nature of the problem. In addition to General Studies requirements, major requirements, and minor requirements (if needed), most students will find that they need other elective courses in order to graduate. Questions concerning these elective courses should be referred to the departmental advisors or the University Advisement Center, (213) 516-3538.

University Advisement Center

The University Advisement Center, IBC B7/D-192A, (213) 516-3538 provides primary advising services for undeclared majors, special admits, Student Affirmative Action admits and new freshman who have not yet established advising ties with the department of their declared major/minor. It also offers specialized assistance to students on probation or otherwise experiencing academic difficulty. Whenever the student needs one of these services, she/he should contact the Center; advisors will gladly provide necessary advising assistance.

The University Advisement Center also coordinates advising-related services located throughout the University. Center advisors want to insure that all students can make optimum use of the excellent and varied educational resources on our campus. Therefore, if the student has unresolved advising questions, concerns, needs or problems, she/he should call or drop by the Advisement Center, which will provide either the needed information or make the appropriate referral.

Departmental Advisors

Faculty members from the academic departments serve as advisors for students. Faculty advisors are available throughout the year, and students are urged to meet with them at

least once each semester in addition to the required advising sessions. In the advising sessions, the student and advisor develop a proposed course of study for the student based on his/her interests, talents, educational goals and career objectives. Together they check the student's progress toward graduation and discuss other matters relevant to the student's education.

If advising sessions are to have maximum benefit, the student must bring the *University Catalog*, the *Class Schedule* and an *advising folder containing all his/her academic documents, such as the Certificate of Admission and Evaluation and grade reports*.

To obtain an appointment with a departmental advisor, students should contact the appropriate department or school office. The School of Management Advisement Center, SBS A-326, (213) 516-3561 provides initial departmental advising for Business Administration majors. University Advisement Center advisors serve as departmental advisors for undeclared majors.

School Coordinators of Advisement

In addition to departmental advisors, each School has an associate dean or 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 University Advisement Center are the primary resources for students needing help with the academic regulations of this campus.

All students also are 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 CSU Dominguez Hills.

GRADUATE AND POST-BACCALAUREATE ADVISEMENT

Early in their first semester of attendance, graduate students should make an appointment with a graduate advisor in their program to plan a complete program of study for the degree. If the student cannot make an advisement appointment prior to the initial registration, s/he should make an appointment, to plan a complete program of study, early in the first semester of attendance. 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 the program coordinator.

Classified post-baccalaureate students in credential or certificate programs and second bachelor's degree students should be advised by the program coordinator or department chairperson.

New unclassified (undeclared) post-baccalaureate students should see the University Graduate Advisor in the Graduate Studies office for advisement. To assist in the initial advisement and course selection, newly admitted students need to bring a personal copy of their college transcripts and a copy of their evaluation. Unclassified post-baccalaureate students wanting to enroll in graduate level courses must have the approval of the graduate program coordinator of their chosen course. Students transferring into a graduate program must complete a minimum of 21 units after admission to the program.

REGISTRATION

Students register in CSU Dominguez Hills each semester scheduled times during an advance and regular registration periods. Registration includes filling out official registration forms, 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 Class Schedule. 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 contained in Title 5, California Administrative Code, cannot be waived by petition.

Petition forms are available in the Office of the Registrar. 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 semester by one of the following grades (with the grade points earned):

GRADE		GRADE POINTS
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 GPA)	
W	Withdrawal (Not counted in GPA)	

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

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

NOTES:

Master's degree candidates are reminded that a "B" (3.0) average is required in the master's degree program and for all courses (related and unrelated; lower division, upper division and graduate) taken concurrent with the master's degree program.

Undergraduate students are reminded that, in order to graduate with a baccalaureate degree, a "C" (2.0) average is required for all courses taken elsewhere, all courses taken at CSU Dominguez Hills and for all courses in the declared major(s).

Alternative Grading Policy

In departmentally designated courses in basic skills reasoning) and departmentally designated upper division composition courses, the "A-F" grading system is replaced by an "A-C/NC" system.

Incomplete Grade

A grade of Incomplete may be applied 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 s/he will indicate:

1. The reason for granting the Incomplete;
2. The amount or nature of the work to be completed;

- 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" or "NC" if the work is not completed within a year.

Change of Grade forms to remove an Incomplete grade are available in academic departmental offices. 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 the Registrar 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 computation, this symbol is equivalent to an "F".

CR/NC (Credit/No Credit Grades)

Undergraduate

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

Course Limitations

- Courses used to satisfy a major (both upper and lower divisions), or which are prerequisite to them, must be taken for a letter grade except when such courses are graded solely on a "CR/NC" basis. A student is permitted to enroll in up to 50 percent 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.
- No more than 24 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 24 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 24.)
- Selection of the grading basis ("A" through "F" or "CR/NC") must be made during the first four weeks of instruction. Forms are available in the Office of the Registrar.

Grade Equivalences and Records

- Both Credit (CR) and No Credit (NC) grades are recorded on student transcripts.
- 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".
- CR/NC grades are not computed in overall or semester GPAs.

Graduate

- Graduate courses graded on a "CR/NC" basis are limited to courses specifically designated in the catalog for non-traditional grading and to certain 400 and 500 level courses in the School of Education.
- 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".
- At least 24 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.

- Graduate level students are allowed to elect to receive Credit/No Credit grades in courses numbered below 500 that will not be used to satisfy the requirements of a graduate degree program.

SP (Satisfactory Progress)

The "SP" symbol is used only in connection with approved 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.

Change Of Grade Procedure

If a student wishes a grade changed for whatever reason, the process is initiated through the academic department, where a Petition to request a change of grade is completed by the student. The petition is left in the department where it is reviewed by the instructor and the department chair. If a change is made, a Change of Grade form, with appropriate signatures, is prepared in the department and sent to the Office of the Registrar. The student will be notified of the change of grade by the Office of the Registrar.

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 semester. The forms for initiating this process may be obtained from the University Information and Service Center (IBC A-130) and the Office of the Registrar.

When official withdrawal from the University occurs before the semester deadline for dropping classes (the fourth week of instruction), the record shows withdrawal without indicating the enrolled courses. However, if official withdrawal occurs after the fourth week of instruction, grades will be assigned in accordance with the policy that follows on "Official Withdrawal from a Course."

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 semesters.

Official Withdrawal From A Course

- During the first four weeks of each semester 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.
- Between the fifth week and the beginning of the thirteenth week of each semester, 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.
- From the thirteenth week through the fifteenth week of instruction of the semester, 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.

A student who does not officially withdraw shall receive "F", "U", or "NC" grades for all courses on his/her official study list.

SCHOLASTIC PROBATION AND DISQUALIFICATION

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:

- Withdrawal from all or a substantial portion of a program of studies in two successive terms or in any three terms.
- 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).
- 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 that would lead to disqualification, should probation not be removed.

ADMINISTRATIVE-ACADEMIC DISQUALIFICATION

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

- The conditions for removal of administrative-academic probation are not met within the period specified.
- The student becomes subject to academic probation while on administrative-academic probation.
- The student becomes subject to administrative-academic probation for the same or similar reason for which s/he 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.

UNDERGRADUATE ACADEMIC PROBATION AND DISQUALIFICATION

For purposes of determining a student's eligibility to remain in CSU Dominguez Hills, both quality of performance and progress toward her/his objective shall be considered. Such eligibility is based upon a grade point computation.

Academic Probation

An undergraduate student is subject to academic probation if at any time the cumulative GPA falls below 2.0. The student shall be advised of probation status promptly. A student shall be removed from academic probation when the cumulative GPA is 2.0 or higher.

Academic Disqualification

A student on academic probation is subject to academic disqualification:

- If as a freshman or sophomore, the student falls 15 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.
- If as a junior, the student falls nine (9) or more grade points below a 2.0 (C) average in all units attempted or in all units attempted at the campus where the student is enrolled.
- If as a senior, the student falls six (6) or more grade points below a 2.0 (C) average in all units attempted or in all units attempted at the campus where the student is enrolled.

- Regardless of class level, if during any term while on probation, the student fails to earn a 2.0 (C) GPA.

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.

GRADUATE AND POST-BACCALAUREATE 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.

- Conditionally classified and classified graduate students are placed on scholastic probation if they fail to maintain a cumulative GPA of 3.0 in all units attempted subsequent to admission to conditionally classified or classified graduate standing. If they do not bring their GPA up to 3.0 in the following semester 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.

- Unclassified and classified post-baccalaureate students are placed on scholastic probation if their GPA falls below 2.5. If they do not bring the GPA up to 2.5 in the following semester 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.

FIRST CLASS MEETING

Students should report to the first meeting of their scheduled classes. (Check the Class Schedule for room numbers.) Each student is responsible for attendance in the courses and specific sections in which s/he has enrolled.

A student who misses the first two meetings of a course, or the first meeting of a course that meets only once a week, may be dropped from the course by the instructor. **It is the responsibility of the student to assure that she/he has been officially dropped from the non-attended course.** If a student wishes to add a course from which she/he has been dropped, standard add/drop procedures will be followed, requiring signature of the instructor. Students who do not officially drop a course in which they have enrolled will receive an "F", "U" or "NC" grade for the course.

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 must be made before the deadline date listed for each semester in the official University calendar.

Forms may be obtained in the Office of the Registrar. No change is effective until the Change of Program Form has been signed by the instructor, when required, and filed in the Office of the Registrar.

VETERANS' RESPONSIBILITIES

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

Prompt Notification of Withdrawal

It is the responsibility of each veteran student receiving benefits to notify the Office of Registrar 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.

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 immediately, including last date of attendance for dropped courses, so that any necessary adjustment in certification may be prepared and submitted by the Office of the Registrar.

Enrollment in Proper Courses for Graduate Level Students

Graduate level veteran students are reminded that full-time certification for eight (8) units is based upon enrollment in eight (8) units of graduate level (500) courses or undergraduate level courses which are part of the graduate program. Enrollment in eight (8) units of courses other than courses in the graduate program does not constitute full-time enrollment status. The status of graduate level students enrolled in undergraduate courses not in the graduate program will be certified as less than full time.

CREDIT-BY-EXAMINATION

General Conditions

1. A registered student may receive credit-by-examination for courses in which s/he 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 that may or 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 that an academic department deems inappropriate or impossible to evaluate.
6. The same course can be taken only once as 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.

Procedure for Courses Listed in Class Schedule

1. The student secures a petition for credit-by-examination from the appropriate department office and obtains signatures of the 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 semester.
3. The student is notified of the results of the examination during the third week of the semester.

If the examination is passed, the grade is submitted to the Office of the Registrar by the end of the third week. The student's name will remain on the roster and the grade will appear on the semester grade report.

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 fourth week).

4. The course grade will appear on the student's permanent record card (PRC) with the other grades for the semester with a designation that the course was completed by examination.

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 the Office of the Registrar.
4. The Office of the Registrar 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

Students may elect to be absent for one semester without losing eligibility for re-registration, subject to the following conditions:

1. A permit to register will not be released to students who scholastically were disqualified following their most recent semester of attendance at CSU Dominguez Hills.
2. Students who attend another college or university during an absence from CSU 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. The non-refundable \$45.00 application fee is required.
3. Undergraduate students who graduate from CSU Dominguez Hills and wish to continue as graduate students must file a new application for admission. An application fee of \$45.00 is required.
4. A student with a graduate degree objective should maintain continuous attendance, defined as attendance in at least one semester each calendar year (summer session and extension excluded), until the degree is awarded. Students who have completed all coursework but who may not have satisfactorily completed a comprehensive examination, thesis, or research project, are also expected to maintain continuous attendance until completion of the degree. Graduate students who fail to maintain continuous attendance must reapply and be subject to all new requirements of the university and the graduate program. This policy applies to students currently in the process of completing graduate degrees as well as new students. Absence due to an approved educational leave shall not be considered an interruption in attendance.

Students who have completed the maximum number of units required for the degree may maintain continuous attendance after completion of their coursework requirement by enrolling in regular university courses or in a graduate continuation course for zero (0) units.

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 s/he was admitted.

Returning Student

Students who have been absent for more than one semester prior to the semester of return must apply for readmission, unless approved for and participating in the Planned Educational Leave Program, as described in this section of the catalog. Those who were enrolled in any of the two semesters preceding re-entry are exempt from the application and fee unless they were enrolled elsewhere during their absence.

A returning student who has not maintained continuing student status or been approved for the Planned Educational Leave Program will lose their catalog rights and will be subject to all the requirements and regulations in the catalog of the year they are readmitted.

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 \$45.00 application fee.

REMOVAL OF PREVIOUS TERM(S) WORK FROM DEGREE BACCALAUREATE CONSIDERATIONS

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 a committee chaired by the Vice President for academic affairs. The petition is filed with the Office of the Registrar. The circumstance under which this might occur would consist of ALL of the following:

1. 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
2. The level of performance represented by the term(s) under consideration was due to extenuating circumstances; and
3. 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
4. None of the units removed through academic renewal may be used to satisfy graduation requirements.

The committee may provide approval if:

1. Five years have elapsed since the most recent work to be disregarded was completed; and
2. The student has completed at CSU Dominguez Hills 15 semester units with at least a 3.0 GPA, 30 semester units with at least a 2.5 GPA, or 45 semester at least a 2.0 GPA (since the most recent work to be disregarded was completed).
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) or semester(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 procedures 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 that may be disregarded at the college to which the applicant seeks admission.

REPEAT AND CANCEL POLICY

The Repeat and Cancel Policy was amended effective fall semester 1986.

The following procedures are applicable to all CSU Dominguez Hills students:

1. The Repeat and Cancel policy may be used by students working toward a baccalaureate degree.
2. The Repeat and Cancel policy may not be used by graduate/post-baccalaureate students working on master's degrees, graduate certificates, teaching credentials or by unclassified post-baccalaureate students, even when they might take undergraduate courses.
3. In the case of a repeated course, the subsequent grade is substituted for the earlier in the computation of units attempted and GPA. The previous course grade(s) remain(s) on the record, but is/are annotated as being discounted from GPA calculations.
4. Repeat and Cancel may only be used on courses taken and repeated at CSU Dominguez Hills, or other CSU campuses during summer sessions or as a CSU visitor/concurrent student.
5. Repeat and Cancel may be used up to a total of eighteen (18) semester units taken at CSU Dominguez Hills.
6. Repeat and Cancel may be used only on grades of 'U', 'F', 'D', 'CD'.
7. Students must complete a Notice of Repeated Course form for each course repeated that meets all Repeat and Cancel policy guidelines.
8. A grade entered as a result of the student disciplinary procedures under Executive Order No. 148 cannot be cancelled and will be computed in the GPA.

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 CSU 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. Petitions are available at the Office of the Registrar.

Eligibility

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

Application Procedures

1. A registered student may request an educational leave. The petition shall include an explanation of the student's reasons for seeking an educational leave and when s/he intends to resume academic work.
2. The request shall be initiated by the student and reviewed by the Office of the Registrar. If the request is approved, the registrar 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.
3. The request shall be approved only after contractual agreements (e.g., financial aids) have been satisfactorily terminated or renegotiated.
4. A registered student may file a petition for a Planned Educational Leave at any time; however, the leave must commence at the beginning of the following semester.
5. Permission for a Planned Educational Leave must be requested and approved in advance of the term the leave is to begin; a leave will not be granted retroactively.
6. Students whose planned leaves will take them out of California are advised to consult the Office of the Registrar regarding residency requirements.

Duration of Leave

The minimum leave shall be two full semesters; the maximum, two calendar years. Graduate students may not extend the time limit allowed by regulations for completion of degree requirements.

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.

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 re-enrollment.

Resumption of Formal Education

A student shall be guaranteed re-entry and retention of registration priority at the conclusion of his/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 provided the student registers in the same major. Students who fail to resume studies at the pre-arranged time shall forfeit the advantages of the Planned Educational Leave Program.

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 also will be recorded.

Academic Credit

Students must obtain prior approval of the Office 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.

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.

GRADUATE COURSE CREDIT FOR SENIORS

Students in the last semester of their senior year may petition to take up to two graduate courses (500 level), which are not required to fulfill requirements for the bachelor's degree. Approval must be obtained from the appropriate school dean prior to registration in order to take graduate courses. Petitions are available in the Office of the Registrar.

UNDERGRADUATE DEAN'S LIST

Undergraduate students qualify for the Dean's List in each semester in which they earn a GPA of 3.5 or better in 12 or more units of letter grade courses. This designation will appear on the semester grade report and on the official transcript.

GRADUATION WITH HONORS FOR STUDENTS COMPLETING THE BACCALAUREATE DEGREE

A student who has completed a minimum of 36 units in residence at CSU Dominguez Hills with a GPA of 3.40 or better may be a candidate for graduation with honors.

The criteria for graduation with honors are:

1. A minimum of 36 units in residence
2. A minimum GPA of 3.40 on all units taken at CSU Dominguez Hills
3. A cumulative GPA as outlined below on all acceptable undergraduate work:
 - 3.40 - 3.59 Cum Laude
 - 3.60 - 3.79 Magna Cum Laude
 - 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 the Registrar. 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 fourth 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 audited course should be taken into consideration when planning a program so that the study load will not be excessive.

ENROLLMENT IN OPEN UNIVERSITY FOR MATRICULATED STUDENTS

Effective fall quarter 1984, a matriculated student who is eligible for enrollment as a regular student may not enroll partially or completely in courses through Open University.

INTRASYSTEM VISITOR STATUS AND INTRASYSTEM CONCURRENT ENROLLMENT

Students from one CSU campus may enroll as visitors on another campus or 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 GPA 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.

Eligibility Requirements - 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 the 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 CSU campus is not possible while in visitor status.
5. Financial aid is available to students in visitor status only through the home campus. 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 automatically will 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 registrar 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.

Eligibility Requirements - 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**Sem Calendar**

Fall
Spring

Qtr Calendar

Fall
Winter
Spring
Summer

Host Campus**Possible**

Fall Qtr or Sem
Spring Qtr or Sem

Possible

Fall Qtr or Sem
Winter Qtr or Sem

Spring Qtr or Sem
Spring Sem
Summer Qtr

Not Possible

Winter Quarter
Winter Quarter

Not Possible

(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 that 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 the Registrar 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 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.

9. Attention: To Students who have applied for graduation and who will be enrolled during their last term as a visitor, as a concurrently enrolled student or as a summer session student:

It is the student's responsibility to assure that all work completed during his/her term of graduate is completed prior to the established CSU Dominguez Hills degree date. Work completed at another institution after the established CSU Dominguez Hills degree date cannot be used to satisfy graduation requirements until the next term.

NON-CSU INSTITUTION CONCURRENT ENROLLMENT

Concurrent enrollment in resident courses or in extension courses in a non-CSU institution is permitted only when the entire program has received the approval, first, of the departmental major advisor and, second, of the evaluations section of the Office of Admissions. 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 the Registrar.

COURSE NUMBERING SYSTEM

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

- 001-099 Sub-collegiate courses, not for baccalaureate credit
 100-199 Lower division courses normally taken in the freshman year
 200-299 Lower division courses normally taken in the sophomore year
 300-399 Upper division courses normally taken in the junior year
 400-499 Upper division courses normally taken in the senior year
 500-599 Graduate courses ordinarily limited to graduate students, post-baccalaureate students, and last semester seniors with prior departmental approval.
 600 Graduate Continuation Course. For graduate students who have completed all course requirements.

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.

CLASS LEVEL

Students are assigned class level according to the following plan:

Lower Division

- Freshman 0 - 29 semester units
 Sophomore 30 - 59 semester units

Upper Division

- Junior 60 - 89 semester units
 Senior 90 or more semester units

STUDY LOAD

Undergraduate

A student may enroll in 15 units without an advisor's signature unless otherwise required. Students enrolling in 16-21 units are required to have an advisor's signature. Students enrolling in more than 21 units must also obtain the approval of the dean of the school in which the student is majoring. Undeclared majors must obtain the approval of the coordinator of the University Advisement Center.

Graduate

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 these students earning a master's degree is eight (8) units of graduate program courses each semester.

FULL-TIME STATUS

Undergraduate

Undergraduates are considered to be full-time students during any semester when they are enrolled in 12 units or more. However, graduation in four years' time requires completion of approximately 16 units each semester.

Graduate

Graduate students are considered to be full-time students during any semester in which they are enrolled in at least eight units of graduate program courses.

CONCURRENT COURSE SCHEDULING

Students are not permitted to enroll in two or more courses that overlap in time within any given academic semester without official written approval. Forms are available in the Office of the Registrar.

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 the Registrar. A fee of \$4 is charged for each transcript. (For additional information, see "Fees" section of the Catalog.)

PLAGIARISM

At the heart of any university are its efforts to encourage critical reading skills, effective communication and, above all, intellectual honesty among its students. Thus, all academic work submitted by a student as his or her own should be in his or her own unique style, words and form. When a student submits work that appears to be his/her original work, but actually is not, the student has committed plagiarism.

Plagiarism is considered a gross violation of the University's academic and disciplinary standards. Plagiarism includes the following: copying of one person's work by another and claiming it as his or her own, false presentation of one's self as the author or creator of a work, falsely taking credit for another person's unique method of treatment or expression, falsely representing one's self as the source of ideas or expression, or the presentation of someone else's language, ideas or works without giving that person due credit. It is not limited to written works. For example, one could plagiarize music compositions, photographs, works of art, choreography, computer programs or any other unique creative effort.

Plagiarism is cause for formal university discipline and is justification for an instructor to assign a lower grade or a failing grade in the course in which the plagiarism is committed. In addition, the University may impose its own disciplinary measures.

PRIVACY RIGHTS OF STUDENTS IN EDUCATION RECORDS

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R.99) and California Education Code Section 67100 et seq., set out requirements designed to protect the privacy of students concerning their records maintained by the campus. Specifically, the statute and regulations govern access to student records maintained by the campus, and the release of such records. In brief, the law provides that the campus must provide students access to records directly related to the student and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading or otherwise inappropriate. The right to a hearing under the law does not include any right to challenge the appropriateness of a grade as determined by the instructor. The law generally requires that written consent of the student be received before releasing personally identifiable data about the student from records to other than a specified list of exceptions. 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 Vice President of Student Affairs, IBC M-110. Among the types of information included in the campus statement of policies and procedures are: 1) the types of student records and the information contained therein; 2) the official responsible for the maintenance of each type of record; 3) the location of access lists that indicate persons requesting or receiving information from the record; 4) policies for reviewing and expunging records; 5) the access rights of students; 6) the procedures for challenging the content of student records; 7) the cost that will be charged for reproducing copies of records; and 8) the right of the student to file a complaint with the Department of Education. An office and review board have been established by the Department to investigate and adjudicate violations and complaints. The office designated for this purpose is: The Family Educational Rights and Privacy Act Office (FERPA), U.S. Department of Education, 330 "C" Street, Room 4511, Washington, D.C. 20202.

The campus is authorized under the Act to release "directory information" concerning students. "Directory information" includes the student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student. The above designated information is subject to release by the campus at any time unless the campus has received prior written objection from the student specifying information that the student requests not be released. Written objections should be sent to either the coordinator of judicial affairs, ERC A-513 or the Vice President of Student Affairs, IBC M-110.

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

NONDISCRIMINATION POLICY

The California State University does not discriminate on the basis of age, marital status, religion, or sexual preference.

Sex

The California State University 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 all education programs and activities. Such programs and activities include admission of students and employment.

Disability

The California State University does not discriminate on the basis of handicap in admission or access to, or treatment or employment in, its programs and activities. Section 504 of the Rehabilitation Act of 1973, as amended, and the regulations adopted, thereunder, prohibit such discrimination.

Race, Color, or National Origin

The California State University complies with the requirements of Title VI of the Civil Rights Act of 1964 and the regulations adopted thereunder. No person shall, on the grounds of race, color or national origin be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program of The California State University, Dominguez Hills.

Compliance

The Director of Affirmative Action is assigned administrative responsibility for reviewing concerns and for coordination of the university's efforts to comply with these laws and regulations. Inquiries concerning compliance may be addressed to the Director of Affirmative Action at 1000 E. Victoria Street, ERC D-526, Carson, CA, 90747, (213) 516-3733.

STUDENTS RIGHTS AND RESPONSIBILITIES

STUDENT RESPONSIBILITY

Each student is responsible for compliance with the regulations printed in the 1987-88 catalog with official notices posted on official bulletin boards and published in the schedule of classes.

STUDENT DISCIPLINE

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.

Inappropriate conduct by students or by applicants for admission is subject to discipline as provided in Sections 41301 through 41304 of Title 5, California Code of Regulations. These sections are as follows:

Article 1.1, Title 5, California Code of Regulations

41301. Expulsion, Suspension and Probation of Students. Following procedures consonant with due process established pursuant to Section 41304, 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 or her 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 had 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 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
 - (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, slingshot, billy, sandclub, sandbag, metal knuckles, any 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.

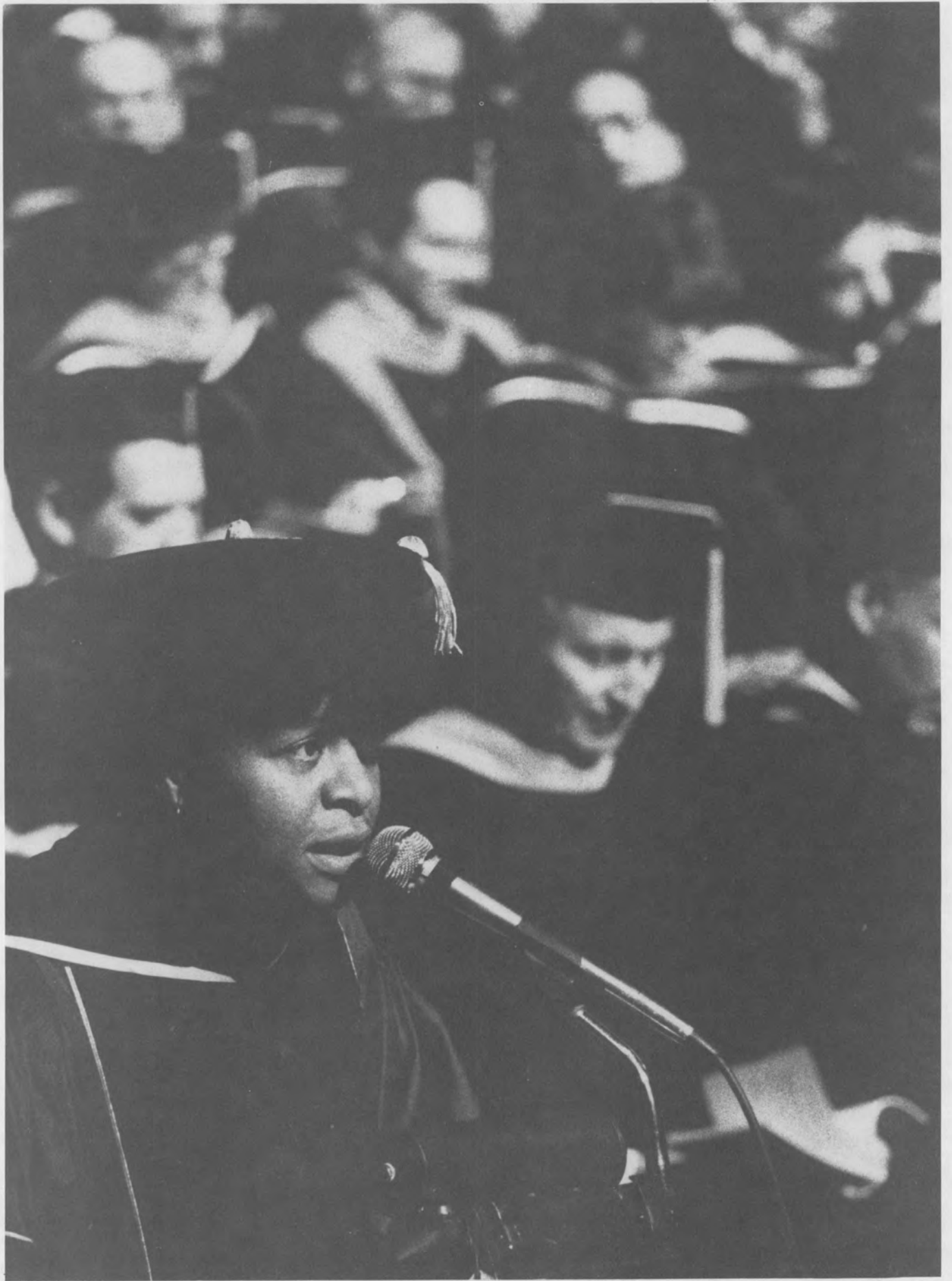
41302. Disposition of Fees: Campus Emergency; Interim Suspension. The President of the campus may place on probation, suspend, or expel a student for one or more of the causes enumerated in Section 41301. No fees or tuition paid by or for such student for the semester, quarter, or summer session in which 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.

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 other than to attend the hearing. Violation of any condition of interim suspension shall be grounds for expulsion.

41303. Conduct by Applicants for Admission. Notwithstanding any provision in this Chapter 1 to the contrary, admission or readmission may be qualified or denied to any person who, while not enrolled as a student, commits acts which, were he enrolled as a student, would be the basis for disciplinary proceedings pursuant to Sections 41301 or 41302. Admission or readmission may be qualified or denied to any person who, while a student, commits acts which are subject to disciplinary action pursuant to Section 41301 or Section 41302. Qualified admission or denial of admission in such cases shall be determined under procedures adopted pursuant to Section 41304.

41304. Student Disciplinary Procedures for the California State University. The Chancellor shall prescribe, and may from time to time revise, a code of student disciplinary procedures for The California State University. Subject to other applicable law, this code shall provide for determinations of fact and sanctions to be applied for conduct which is a ground of discipline under Sections 41301 or 41302, and for qualified admission or denial of admission under Section 41303; the authority of the campus President in such matters; conduct related determinations on financial aid eligibility and termination; alternative kinds of proceedings, including proceedings conducted by a Hearing Officer; time limitations; notice; conduct of hearings, including provisions governing evidence, a record, and review; and such other related matters as may be appropriate. The Chancellor shall report to the Board actions taken under this section.



REQUIREMENTS FOR THE BACHELOR'S AND MASTER'S DEGREES

REQUIREMENTS FOR THE BACHELOR'S DEGREE

Students seeking a baccalaureate degree from the University must complete specific requirements as determined by the Trustees of the California State University. 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 a minimum of 124 semester units of credit. Students earning a B.S. degree may be required to take up to 132 semester units.
2. completion of a minimum of 40 upper division units.
3. completion of General Studies (52-59 semester units.)

Note: Courses used to satisfy Area "A" of General Studies (Basic Skills) must be at the grade level of "C" or better to meet graduation requirements from CSU Dominguez Hills. Students who transferred in "D" grades in Basic Skills courses must repeat those courses to satisfy graduation requirements from the University. Although these courses were used to determine eligibility for admission for graduation purposes, unit credit will be granted only once for the same course regardless of the number of times the course has been repeated.

4. satisfaction of statutory requirements in U.S. History, Constitution and American Ideals by completing courses HIS 101 or examination and POL 101 or examination.
5. satisfaction by examination or course of the Graduation Writing Assessment Requirement.
6. satisfaction of Entry Level Math (ELM) requirement.
7. completion of one of the following: a major and a minor or thematic project; or a major in one of the designated single field majors; or a double major. This requirement also can be satisfied through the Areas of Concentration in the Interdisciplinary Studies combined with a thematic project, a minor or another major. Specifications for each of the above are outlined under their appropriate headings in the academic programs section of this catalog.
8. completion of elective courses (beyond the requirements above) to reach the total of a minimum of 124 or 132 semester units of credit.
9. resident requirements, upper division unit requirements, and GPA requirements must be satisfied (see below).

Units

TOTAL UNITS

A minimum of 124 semester units is required for the bachelor's degree. Students earning a B.S. degree may be required to take up to 132 semester units. A maximum of 24 semester units earned through extension, correspondence and United States Armed Forces Institute (USAFI) may be accepted toward a bachelor's degree.

UPPER DIVISION UNITS

A minimum of 40 semester units of upper division credit must be completed.

RESIDENT UNITS

1. A minimum of 30 semester units must be completed in residence at CSU Dominguez Hills, of which 24 shall be earned in upper division courses and 12 upper division units shall be in the major. When a minor is declared, at least one-half of all upper division units earned for the minor must be completed in residence at CSU Dominguez Hills.
2. Extension credit or credit by examination may not be used to fulfill the minimum residence requirement.
3. Credit received in summer session or January Session at CSU 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 CSU Dominguez Hills;
2. All units attempted (combination of CSU Dominguez Hills units and transfer units);
3. All units attempted for the major;
4. All units attempted for the minor or thematic project;
5. All units attempted for the major in a single field.
6. All units attempted for the double major.

Academic Skills Assessment Plan

The California State University (CSU) and California State University, Dominguez Hills (CSU Dominguez Hills) recognize each student's need for adequate preparation in mathematics, English, reading and critical thinking for successful continuation and completion of his or her college education.

The CSU system requires all freshman and those transfer students who have not completed appropriate college courses to demonstrate entry level skills in two areas: English and mathematics. To better ensure that students who are poorly prepared in one or more of the basic skills receive this preparation early in their college career, CSU Dominguez Hills implemented Academic Skills Assessment Plan (ASAP) in fall, 1984, starting with new freshmen. Beginning fall, 1986, all new and readmitted former undergraduate students must meet the requirements of the plan.

The Academic Skills Assessment Plan has four stages:

- Stage 1.** Assessment of Entry Level Skills
- Stage 2.** Completion of Entry Level Skills
- Stage 3.** Certification of Basic Skills
- Stage 4.** Certification of Writing Proficiency

Stage 1. Assessment of Entry Level Skills

Assessment of entry level competencies in reading, composition and mathematics.

1. Unless exempt, students must take the English Placement Test (EPT) and Entry Level Mathematics test (ELM) no later than their first semester of attendance at CSU Dominguez Hills. (See entry describing EPT and ELM in the Admissions section of the catalog.) If exempt, the student will be notified when admitted.

If students do not attempt these tests by the end of their first semester of enrollment, they will be required to enroll in the appropriate English and mathematics courses until the EPT and/or ELM requirements have been met.

If students have not taken the EPT and ELM by the end of two terms, they will not be allowed to enroll in subsequent terms.

2. Entry Level English Skills - If students score "T150" or below on the EPT, they must enroll in ENG 099 Basic Writing Workshop or IDS 006 Intensive Writing Skills Workshop. If their score is "T141" or lower on the EPT, they must also enroll in ENG 088 Developmental Reading. Both ENG 088 and 099 or IDS 006 are prerequisites to ENG 110

Freshman Composition I, and may be taken concurrently prior to ENG 110.

3. Entry Level Mathematics Skills - If students score "470" or below on the ELM, they should register for MAT 003 and/or MAT 005. If students are not exempt, they must pass the ELM before taking any higher level math course (MAT 105 or higher). No courses satisfy this requirement.

Please note that no baccalaureate credit is earned for courses numbered 001-099.

Stage 2. Completion of Entry Level Skills

By the end of two semesters of attendance, students are required to have achieved a score of "T151" or higher on the EPT or have completed appropriate remedial courses and to have passed the ELM. If they do not meet these requirements, they will not be allowed to register in subsequent terms for any classes except the appropriate remedial courses and selected courses upon mandatory advisement.

Stage 3. Certification of Basic Skills

Students must meet the following requirements for admission to junior or higher level standing (e.g. by the time they have completed 56 semester units):

English

1. Successful completion of ENG 110 and ENG 111 or six units of IDS 107 or any combination of ENG 110, ENG 111 and IDS 107 totalling six units.

or

2. Equivalent transfer courses with a grade of "C" or better.

or

3. Appropriate scores on approved English examinations (see English department chair for information on these examinations).

Math

1. Successful completion of MAT 105 or a higher level mathematics course.

or

2. Transfer credit with a grade of "C" or better for mathematics courses above the level of intermediate (college) algebra.

By the time students have earned 56 semester units (or if they transferred in with 56 or more semester units), they are expected to have met the mathematics requirements and the course requirements in English. If students have not met these requirements, they will have two terms in which to complete them.

During that time enrollment in the appropriate English and/or mathematics course(s) is mandatory. If they still have not met the requirements by the end of two terms, they will be placed on probation and may not take any course(s) other than those that satisfy the requirements or their prerequisites.

All undergraduate students will be required to take the EPT and ELM unless they are exempt by virtue of test scores or coursework. Junior level transfer students (56 semester units or more) who are not otherwise exempt from ELM must either pass the ELM prior to their first term of enrollment or immediately enroll in the appropriate mathematics course (MAT 003/005) in their first term. They must complete MAT 105 by the end of two terms or be restricted to enrollment in the appropriate mathematics courses and selected courses upon mandatory advisement. Junior level transfer students (56 semester units or more) who are not otherwise exempt from the EPT must either pass the EPT prior to their first term of enrollment or immediately enroll in the appropriate English course(s) (ENG 088 and/or 099) in their first term. They must complete ENG 111 by the end of two terms or be restricted to enrollment in the appropriate English courses and selected courses upon mandatory advisement.

Stage 4. Certification of Writing Proficiency

Within two terms after reaching 56 semester units (or transferring in with 56 semester units or more), students must demonstrate competency in writing skills through one of the options in the section immediately following: Graduation Writing Assessment Requirement.

Students who do not meet this requirement in the time specified will be required to enroll in ENG 350.

Graduation Writing Assessment Requirement

All students subject to degree requirements listed in the 1979-80 and subsequent general catalogs must demonstrate competency in writing skills as a requirement for graduation through one of the following options.

VOLUNTARY TESTING

A test, for which a fee will be charged (Graduation Writing Examination, GWE) is available to students at regularly scheduled intervals. The minimum passing score is seven (7). Students wishing to pursue this option are encouraged to take the test early in their junior year, if they are an undergraduate student, or upon entrance to a graduate program if they are a graduate student. Students are allowed to take the test only twice. The voluntary test is administered each semester. Information on test date and procedures for sign-up are available in the Information and Service Center.

IN ALL OF THE COURSE OPTIONS BELOW, A MINIMUM GRADE OF "C", OR ITS EQUIVALENT IS NECESSARY

ADVANCED COMPOSITION COURSES (offered by the English Department)

The English Department regularly offers two types of advanced composition courses: a general purpose advanced composition course (ENG 350), and a course designed for students capable of profiting from instruction in sophisticated techniques of prose discourse (ENG 456).

UPPER DIVISION WRITING ADJUNCT

The Writing Adjunct (IDS 397, 2 units and IDS 398, 2 units) currently offered by the Interdisciplinary Studies is a structure for providing individualized instruction in composition that is adjunctive to study in another subject area.

UPPER DIVISION COURSES (offered by Departments other than English)

Some departments presently offer courses, though not solely composition courses, that stress instruction in writing, require frequent writing assignments, and provide regular response to students about their writing. Courses currently available in this category are (HIS 300) Research and Writing Skills (3), (CHE 460) Chemical Literature and Technical Report Writing (3), (SOC 300) Writing Skills in Sociology (3).

TRANSFER CERTIFICATION

A student who has satisfied the Graduation Writing Assessment Requirement at a CSU campus prior to admission to CSU Dominguez Hills may request to waive the CSU Dominguez Hills graduation requirement. The request and an official certification that the requirement has been met should be submitted to the Coordinator of Writing Competency.

General Studies (General Education)

All students graduating from CSU Dominguez Hills are required to complete 52-59 semester units in General Studies, distributed as follows: (a) 14-17 semester units of Basic Skills; (b) 29-30 semester units of lower division General Education divided among Humanities (9), Natural Sciences (9), Social Sciences (9), and The Whole Person (2-3); and (c) 9 semester units of upper division Integrative Studies. In addition, all students must take one course that addresses Cultural Pluralism (i.e. the impact of the integration of cultures) within their General Studies Requirements. At least 9 semester units must be earned at CSU Dominguez Hills.

A list of the courses that fulfill General Studies requirements may be found under General Studies within the Academic Programs section of this catalog. An updated list of approved courses satisfying all components of the program will be printed each semester in the Class Schedule. First-time freshmen must meet the requirements of the General Studies program. Transfer students who have remained in continuous attendance at a campus of the CSU or the California Community Colleges since 1980-81 have the option of choosing this program or the General Education Program described in catalogs prior to 1980-81.

Double Counting of General Studies Courses

Lower division general courses may be "double-counted" in both the major and the minor. Upper division General Studies courses may be double-counted in the following majors only: Liberal Studies, Medical Technology, and Interdisciplinary Studies, and the Statewide Nursing Program. (Majors in these programs should consult their faculty advisor for details.) Upper division General Studies courses may be double-counted in the minor if (a) at least 18 semester units are taken in the minor exclusive of General Studies courses; and (b) General Studies courses used in the minor have the approval of the chair/coordinator responsible for the minor. Even though students may double-count certain General Studies courses, they will not receive additional unit credit towards graduation by double-counting. For example, a double-counted course counts three (3) units (not six) towards graduation.

CERTIFICATION

Accredited post secondary colleges and universities offering the B.A. or B.S., or the first two years of such degree programs, may certify partial completion of the lower division General Studies requirements according to procedures specified in CSU Executive Order 342. CSU Dominguez Hills will accept a maximum of forty semester or sixty quarter units towards our General Studies program. An additional nine semester units of upper division General Studies courses must be completed at CSU Dominguez Hills.

Statutory Requirements: United States History, Constitution and American Ideals

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 (POL 101) American Institutions, and (HIS 101) History of the United States, or by passing comprehensive examinations in each of these fields. Students transferring from other colleges who have not already met one or more of these requirements may take examinations in 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.

A Major and Minor

A student selecting the major/minor or thematic project 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 2.0 (C) or better is required.

No course may count in both the major and minor unless they are a prerequisite for both. If course requirements overlap, additional courses should be taken to fulfill the total unit requirements of both the major and minor. A student should see his/her advisor to make substitutions.

Major and Minor in the Same Field

No student is permitted to declare a major and minor in the same field, except for 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 microbiology minor can major in biology with the general option, but not with the microbiology option.
3. a mathematics major and a minor in statistics or actuarial studies.
4. a recreation minor and a physical education major.
5. a recreation major and a physical education minor.
6. a music major with an option in audio recording or electronic music synthesis and a minor in general music.
7. a music major with an option in vocal or instrumental performance, conducting, theory and composition, or theory and history may minor in audio recording and music synthesis.
8. a communications major and a minor in advertising.
9. a combination of major and minor in theatre arts, such that the title of major and minor are not the same (i.e., theatre arts major-performance and theatre arts minor-general).

A Major in a Single Field

Students who select a major in one of the single fields designated—business administration, chemistry (B.S.), health science (clinical health or orthotics and prosthetics option), human services, liberal studies, clinical sciences, public administration, or Statewide Nursing Program—are required to satisfy the requirements listed for that major or major option. 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, B.A. or B.S. 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 additional major or minor will be noted on the official transcript. A student who completes requirements for two majors under a single degree, B.A. or B.S., may have the two majors recorded on the diploma. A student who completes two majors leading to different degrees, for example economics (B.A.) and public administration (B.S.) must declare one major as the degree major, in order to determine the appropriate degree to be awarded and notation for the diploma. A student will not be granted two diplomas and two degrees, as distinguished from two majors, 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 Interdisciplinary Studies

(formerly Small College)

A student may choose to pursue a major in the Interdisciplinary Studies 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, see the Special Major under the Academic Programs section of this catalog.

Electives

In addition to the General Studies course requirements and the major-minor course requirements, additional courses as elective units may be required to complete the minimum 124 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.

Credit for Remediation

Undergraduate students may enroll in remedial coursework (001-099) for credit, but the credit will not be counted as part of the 124-132 units required for graduation. Students will be allowed to enroll in remedial courses 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 that may be considered as remedial, students should consult their advisor.

Concurrent Course Scheduling

No student is permitted to enroll in two or more courses that overlap in time within any given academic semester without official written approval. Forms are available in the Office of the Registrar.

Second Baccalaureate Degrees

A student may elect either a regular major or a single field major for a second baccalaureate degree. No minor is required. The following is the CSU Dominguez Hills policy effective fall 1984: Students seeking the second or additional baccalaureate degree must satisfy all other requirements for the degree including current General Studies requirements not previously met, all statutory requirements and the Graduation Writing Assessment Requirement. Students who earn a second baccalaureate are not eligible for graduation with honors. Specifically, the candidate must:

1. Hold 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 14 units have been completed.
4. Complete a minimum of 30 semester units in residence including 24 units in upper division courses, which include a minimum of 12 units in the major.
5. Maintain at least a 2.0 grade point average in all courses taken for the degree.

Catalog Rights — Requirements Under Which a Student Graduates

A student remaining in continuous attendance at CSU Dominguez Hills, at any California community college or any combination of California community colleges and campuses of The California State University, for purposes of meeting graduation requirements, may elect to meet the requirements in effect either:

1. at the time such attendance began or
2. at the time of entrance to CSU Dominguez Hills or
3. at the time of graduation.

A student who changes his or her major or minor may be required to meet the requirements in effect at the time of the change.

Continuous attendance means attendance in at least one semester or two quarters in each calendar year.

Application for Graduation - Undergraduate

Undergraduate students who have completed a minimum of 100 semester units should file for graduation in accordance with the following schedule:

- File by **September 15** for graduation at the end of **spring semester**
- File by **February 15** for graduation at the end of **summer session**
- File by **April 15** for graduation at the end of **fall semester**.

An undergraduate must file an application card for the bachelor's degree, as well as, approved advisement forms before a graduation evaluation will be prepared and mailed to the student.

If a student does not complete all graduation requirements by the end of the semester for which she/he files, the student must file a Request for Change of Graduation Date and pay the required \$10.00 fee.

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 degree to be awarded.

REQUIREMENTS FOR THE MASTER'S DEGREE

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: the California Code of Regulations, Title 5; and, CSU 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. Completion of the graduation writing assessment requirement;
- c. Recommendation of the appropriate graduate program;
- d. Approval of the dean of appropriate school.

Specific Graduation Requirements to Earn a Graduate Degree

The following are specific graduation requirements which must be met to earn a graduate degree:

1. Satisfactory completion of a specified program of study, and maintaining Continuing Student Status until graduation.
2. Completion of a minimum of 30 semester units of approved graduate work within five 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 30 unit pattern:
 - a. Not less than 21 semester units shall be completed in residence after admission to graduate standing in the program offering the degree;

- b. Not less than one-half of units required for the degree in courses organized primarily for graduate students (500 level);
 - c. Not more than six semester units allowed for a thesis and/or a project;
 - d. Not more than nine semester units may have been for approved extension and/or transfer course credit;
 - e. Courses taken previously may be used to meet the course content requirements of a graduate program if they have been completed within the five years immediately preceding the completion of the requirements for the degree. However, no courses that have been used to meet the requirements of another degree may apply toward the required number of 30 semester units of approved graduate work.
3. Achievement of a grade point average of 3.0 or better in all courses taken to satisfy the requirements for the degree, except that an approved course in which no letter grade is assigned shall not be used in computing the grade point average.
 4. Satisfactory completion of a thesis, project or comprehensive examination. Specific program requirements are described under each graduate program.
 5. Satisfactory completion of the Graduate Writing Competency requirement.
 6. Filing of an application for the award of the master's degree. (See the graduate program coordinator).

Upon completion of the CSU Dominguez Hills graduation requirements, award of the graduate degree must be approved by the program, the school dean, and the faculty of the University.

Application for Graduation - Graduate

Master's degree candidates should obtain a Graduation Application for Master's Degree card from the appropriate graduate program office and submit the completed card to the Office of the Registrar. Graduation Application cards should be filed in accordance with the following schedule:

- File by **August 15** for graduation at the end of the **fall semester**
- File by **January 15** for graduation at the end of the **spring semester**
- File by **May 1** for graduation at the end of the **summer session**

Please note that if the above dates should fall on a weekend or holiday, the deadline will be 5 p.m. on the previous working day.

When a master's degree candidate applies for graduation, a copy of the student's program for the master's degree should be sent to the Office of the Registrar (graduation section) so that a master's degree check may be prepared.

If all degree requirements are not completed during the semester of the application, a Change of Graduation Date card must be filed giving the new semester of degree completion. There is a \$10.00 processing fee for a Change of Graduation date.

Note: If a student wishes to receive a degree check prior to registering for his/her final semester, the student must apply for graduation and submit all necessary forms to the Office of the Registrar's during the first week of the semester prior to the final semester.

Graduate Thesis Enrollment

1. The graduate student enrolls in the thesis course for a maximum of six (6) units. No further enrollments are allowed. The credit allowed for the thesis varies and students should see graduate program description for specific information.

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 school dean. **Note:** the thesis time period is included in the five-year period for completion of the graduate degree.
3. The graduate student who is working only on the thesis may file an application for special borrower's library privileges with the librarian. The application requires approval of the thesis chair.

Preparation and Submission of Theses and Project Reports

All graduate students who undertake a project or thesis as a capstone work toward the master's degree should request from their Thesis Committee or from the library thesis officer a current manual of 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.

REQUIRED FORMAT

1. The thesis or project report 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 that 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 recently have 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. In general, the use of word processing programs is acceptable. A letter quality printer is necessary for the final paper. Students should provide a sample of the print to the library thesis officer before final submission.
5. A thesis or project should be written in a formal, scholarly manner. A style manual will be used by the student, but the Thesis Committee normally decides upon by the specific manual (ie, Campbell, Turbian, A.P.A. Publication Manual, M.L.A. Style Sheet, etc.). The library thesis officer will review the paper 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.

REQUIRED APPROVAL

Signatures of all members of the thesis or project 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 or project and suggesting revisions, the library thesis officer will accept the three required revised copies and sign a library approval form that will then be transmitted by him/her to the graduation section of the Office of the Registrar. When the thesis or project has been approved by the committee and the library thesis officer, and the binding fee paid, a grade for the thesis or project course will be credited by the Office of the Registrar.

PROCEDURES FOR SUBMISSION

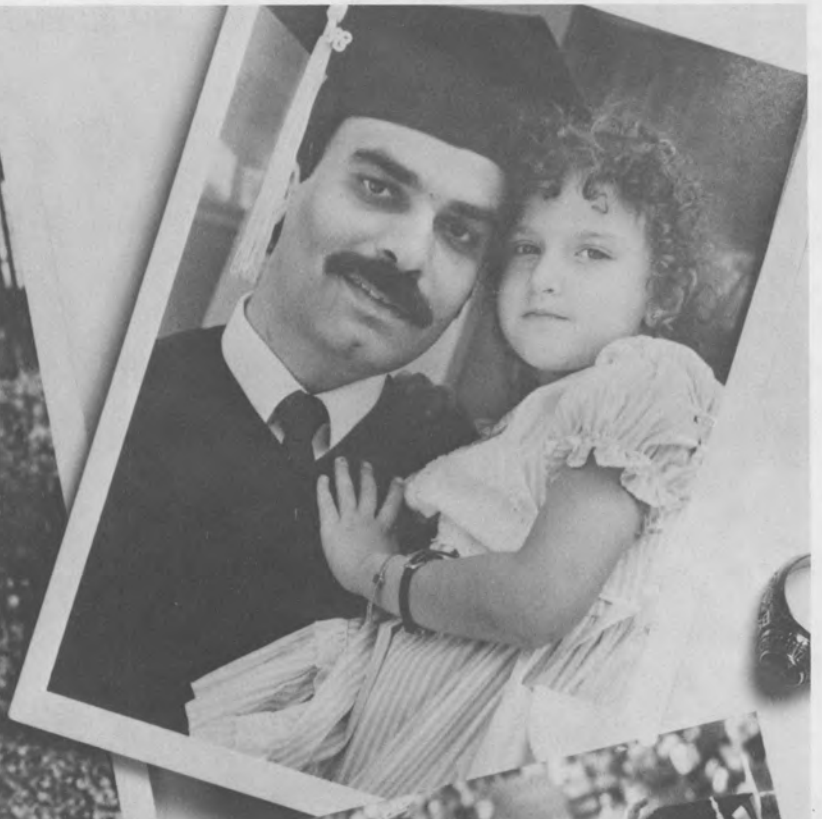
After the committee approved thesis or project report has been submitted to the library thesis officer for inspection, the librarian has made suggestions for revisions and these are accomplished, the library will require two copies of the thesis or project report (the original plus one copy). The copy 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 semester in which the student expects to be graduated. For summer completion, it is the responsibility of the student to check with the academic unit and the library thesis officer for appropriate deadlines.

Graduate Writing Competency

All graduate students entering in fall of 1983 and thereafter are required to satisfy the Graduation Writing Assessment Requirement in accordance with the following policy:

1. Students who have made either a score of 'eight' on the Graduation Writing Examination (GWE) or at least a grade of 'BC', or its equivalent, in one of the undergraduate certifying courses at CSU Dominguez Hills, (see p. 66 for a list of these), would be adjudged to have met the Graduation Writing Assessment Requirement. Information regarding the schedule of test administrations and the list of approved courses is available in the Information and Service Center, IBC A-130.
2. All students who did not meet the requirement as undergraduates, as in #1 above, must take the GWE and make a score of at least "eight" or take one of the undergraduate certifying courses (see p. 66) at CSU Dominguez Hills and earn a grade of at least 'BC'.
3. Students in the graduate program in English may fulfill this requirement by satisfactory performance on the Graduate Exercise administered by the departmental Graduate Committee.
4. Students who fail to make at least an 'eight' on GWE have the option of taking the exam a second time.
5. Students who fail twice to make a score of at least "eight" on the GWE must take one of the undergraduate certifying courses (see p. 66) and make at least a grade of "BC" to meet the requirement.
6. The writing competency requirement is to be met prior to classified standing and must be certified no later than the point of advancement to candidacy. Individual programs may require such certification at an earlier point in the students' program.
7. The coordinator of Writing Competency is authorized to decide whether evidence of writing competency from another university satisfies the Graduation Writing Assessment Requirement at CSU Dominguez Hills.
8. Special arrangements will be made for some external degree programs. Students should consult with the program coordinator.



California State University
Domesticity Skills





THE SCHOOLS

THE CENTER FOR QUALITY EDUCATION

Judson H. Taylor, Dean
Joseph Braun, Associate Dean
Madelaine Sokolsky, Assistant to the Dean and
Credentials Analyst
Doris Okada, Chair of Graduate Education Department
Mimi Warshaw, Chair of Teacher Education Department
James Poole, Chair of Physical Education, Recreation and
Dance Department
Mimi Frank, Coordinator of Liberal Studies Program

The Center for Quality 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

The Center for Quality Education offers undergraduate major degree programs in the following disciplines:

Physical Education
General Physical Education Option
Teaching Option
Athletic Training Option
Fitness Director Option

Recreation

Minors are offered in the following fields:

Coaching
Dance

Credential Programs

The Center for Quality 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 on Teacher Credentialing. Specialist and services credentials are available through post-baccalaureate programs of study.

Graduate Degree Programs

MASTER OF ARTS IN EDUCATION

Students seeking the master's degree must complete a minimum of 30 graduate units and either (1) pass a comprehensive examination, or (2) complete an approved thesis or creative project.

Counseling Option. This program is designed to provide basic skills for a variety of counseling roles used in schools and other public agencies. In addition to one-to-one and group counseling relationships, counselors will be trained as school resource persons in areas relating to student problems and career guidance.

Teaching/Curriculum Option. This option provides an advanced integrated course of study which allows the student to pursue in depth a specific area of teaching/curriculum. Following completion of the program, the student will be able to assume professional leadership in developing, implementing, and evaluating instructional programs.

Educational Administration Option. 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 courses.

Individualized Program Option. Upon admission to the program students will be required to complete an "Individualized Program" in consultation with an advisor. The student will indicate professional and educational goals and courses to be approved by the advisor and the chairperson, Graduate Education Department.

Multicultural Option. The goal of this program is to meet professional development needs of teachers and student teachers whose career objectives require competencies in the area of bilingual/bicultural instruction.

Physical Education Option. This program provides opportunities for graduate students and practitioners in the field to pursue advanced course work in the area of physical education. The purpose of this course work is (1) expansion of personal knowledge in the areas of advanced theory; and (2) application of the instructional program in public and private schools.

MASTER OF ARTS IN SPECIAL EDUCATION

The master of arts in Special Education consists of a common program followed by approved recommended courses.

The core coursework provides the candidate with a basic understanding of the range of handicapping conditions, services and legal requirements essential to public or private school special education programs.

The elective coursework to complete the M.A. unit requirements is offered in the education of the severely or learning handicapped. (See an advisor about the special education specialist credential requirements.)

Evening Programs

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

Education (MA)

Option in Computer Based Education
Option in Counseling
Option in Teaching/Curriculum
Option in Educational Administration
Option in Individualized Program
Option in Multicultural Education

Special Education (MA)

Designated Subject Credential (Adult Education)

Specialist Credentials

Bilingual/Cross-Cultural
Special Education: Learning Handicapped and Severely Handicapped

Services Credentials

Administrative: Preliminary and Professional
Pupil Personnel: Counseling and School Psychology

Certificate Programs

Computer-Based Education
Cross Cultural Special Education

THE SCHOOL OF HUMANITIES AND FINE ARTS

Hansonia Caldwell, Dean
Lyle Smith, Associate Dean
Arnold Haskin, Assistant to the Dean
Louise Ivers, Chair, Art Department
Dolores Brooking, Coordinator, Arts Administration Program
Linda Pomerantz, Coordinator, Asian Studies Program
Leonard Lee, Chair, Communications Department
Agnes Yamada, Chair, English Department
Frances Lauerhass, Chair, Foreign Languages Department
Arthur Harshman, Coordinator, Humanities GE/GS & M.A. Program
Agnes Yamada, Coordinator, Linguistics Program

Eugene Garcia, Chair, Mexican-American Studies
Department
David Champion, Chair, Music Department
John LaCorte, Chair, Philosophy & Religious Studies
Department
Rex Heuschkel, Chair, Theatre Arts Department

The School of Humanities and Fine Arts offers instruction in communications, humanities, 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 Studies and provides 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, School of Humanities and Fine Arts programs offer a full schedule each year of theatrical productions, musical performances, and art exhibitions.

Baccalaureate Degree Programs

The School of Humanities and Fine Arts offers undergraduate major degree programs in the following disciplines:

- Art
 - Studio Art Option
 - Art History Option
 - Design Option
- Communications
 - Journalism Option
 - Public Relations Option
 - Television Studies Option
- English
 - Literature Option
 - Language and Linguistics Option
- French
- Mexican American Studies
- Music
 - Instrumental Performance Option
 - Vocal Performance Option
 - Conducting Option
 - Theory and Composition Option
 - Theory and History Option
 - Music Education Option (Single Field Major)
 - Audio Recording Option
 - Electronic Music Synthesis Option
- Philosophy
 - General Philosophy Option
 - Religious Studies Option

Spanish

- Language and Literature Option
- Public Service Option

Theatre Arts

- General Theatre Arts Option
- Performance Option
- Technical Theatre and Stage Design Option

Minors are offered in the following fields:

- Advertising (offered jointly with School of Management)
- Art History
- Studio Art
- Computer Art
- Communications
- Crafts
- Dance (offered jointly with Center for Quality Education)
- Design
- Asian Studies
- English
- French
- Linguistics
- Mexican American Studies
- Music
- Music: Audio Recording and Synthesis
- Philosophy
- Religious Studies
- Spanish
- Theatre Arts (including General, Performance, and Speech Options)

Certificates are offered in the following fields:

- Audio Recording and Synthesis
- Audio Technology
- Computer Art
- Design
- Rhetoric and Composition (English- Graduate)
- Spanish for Public Service (Spanish)
- Teaching of English as a Second Language—TESL (English)
- Television Studies

Instruction in languages not regularly offered is available by arrangement with the Linguistics faculty. See Linguistics 294 and 494 (Independent Study: Foreign Languages).

Specific requirements for all majors, minors and certificates 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

Master of Arts degree programs are offered in the following fields:

- Arts Administration
- English
 - Literature Option
 - Rhetoric and Composition Emphasis
 - Teaching of English as a Second Language (TESL) Option
- Humanities

External Degrees

In cooperation with Extended Education, the School of Humanities and Fine Arts offers a pilot external degree in the Humanities to increase educational opportunities for students who characteristically have not had access to traditional, on-campus academic programs, thus providing expanded opportunity for career development and personal enrichment.

Evening Programs

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

- Arts Administration
- English (B.A. and M.A.)
- Communications (Public Relations)
- Humanities
- Philosophy

Night sections of courses meeting degree requirements in the above fields are regularly scheduled at 5:30 p.m. or later over a two-year or three-year cycle.

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

Barbara Chrispin, Acting Dean
 Carol Lopilato, Acting Associate Dean
 Josephine M. Fay, Administrative Assistant
 Donald Barnett, Chair, Accounting and Law Department
 Raoul Freeman, Chair, Computer Information Systems Department
 Herb Milgrim, Chair, Finance and Quantitative Methods Department
 Joel C. Greenwald, Chair, Marketing Department
 R. Bryant Mills, Chair, Management Department
 Ira Schoenwald, Chair, Public Administration Department
 Jack Kitson, Coordinator, Master of Business Administration (MBA) Program
 Jeffrey Smith, Coordinator, MPA Program

The School of Management offers undergraduate and graduate professional programs in business administration and public administration. Both programs offer a variety of concentrations so that students may undertake specialized study for careers in a particular field of business or public service. Student clubs enhance the educational experience through activities and speakers who bring their expertise in business, industry, or government to the campus. Academic advisement toward degree completion and career advisement are provided by a professional staff and by the faculty. The excellent faculty represent a strong combination of academic and professional credentials.

Baccalaureate Degree Programs

The School of Management offers undergraduate single field majors leading to the Bachelor of Science degree in the following disciplines:

- Business Administration with concentrations in
 - Accounting
 - Computer Information Systems
 - Finance
 - General Business
 - Human Resource Administration
 - International Business
 - Management
 - Marketing
 - Production and Operations Management
 - Small Business and Entrepreneurship
- Public Administration with concentrations in
 - Administrative Management
 - Criminal Justice Administration
 - Health Services Administration
 - Public Finance and Budgeting
 - Public Personnel Administration
 - Risk Management and Insurance
 - Urban Administration

Minors are offered in the following fields:

- Business Administration
- Business Information Systems
- Public Administration

Graduate Degree Programs are offered in the following fields:

- Business Administration (M.B.A.)
 - General Management Concentration
 - Computer Information Systems Concentration
- Public Administration (M.P.A.)

Evening Programs

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

PROFESSIONAL HEALTH PROGRAMS

Gill Robinson, Dean
 Judith Lewis, Director, Statewide Nursing Program
 Kathleen Johnston, Associate Director, Statewide Nursing Program
 Mary Cruise, Coordinator, MSN Program
 Elizabeth P. B. Davis, Assistant to the Dean
 Elizabeth Pouchot, SNP Area A Office, Faculty Coordinator
 Ruth Pease, SNP Area B Office, Faculty Coordinator
 Colleen Ehrenberg, SNP Area C Office, Faculty Coordinator
 Peggy Pegg, SNP Area D Office, Faculty Coordinator
 Mary Tedrow, SNP Area E Office, Faculty Coordinator
 Angela Albright, SNP Area F Office, Faculty Coordinator
 Laura Inouye, SNP Area G Office, Faculty Coordinator
 Anna Mitchell, SNP Area H Office, Faculty Coordinator

Professional Health Programs (PHP) offers degree and certificate programs at both the undergraduate and graduate levels. Through the PHP Advisory Council, other professional health programs on campus work with PHP to provide input to the unit and facilitate interaction and cooperation among campus health programs.

The Statewide Nursing Program provides opportunities for adult learners throughout the state of California. It allows working nurses to pursue their career and educational goals simultaneously.

Classes are scheduled primarily on the weekends and evenings. Courses in the program are divided into one- or two-unit modules to facilitate the adult learning process. Many self-directed learning materials are used to enhance this delivery system. There are Learning Resource Centers throughout the state that provide audio visual and computer resources to supplement the in-class learning process. Student field experiences are provided through preceptorship or clinical affiliations.

Advisement for nursing students is provided through general orientation for prospective students and is conducted through individual faculty advisors once students have entered the program. In many cases advisement time is provided at the work site for those in the program.

Baccalaureate Degree Program

Nursing (BSN)

Graduate Degree Program

- Nursing (MSN)
 - Nurse Educator Option
 - Nurse Administrator Option
 - Parent-Child Clinical Nurse Specialist Option
 - Gerontology Clinical Nurse Specialist Option

Certificates

- Public Health Nursing (undergraduate)
- Quality Assurance (graduate)

SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES

Richard L. Palmer, Dean
 Edward B. Weil, Associate Dean
 W. Spencer Stepenske, Assistant to the Dean
 Drs. Clement Udeze & Joyce Johnson, Directors, African-American Studies Program
 Edward Weil, Chair, Anthropology Department

Edward Weil, Coordinator, Applied Behavioral Science and Neg. & Conflict Resolution (Graduate) Program
 Sharon Raphael Coordinator, Behavioral Science, Gerontology (Graduate) Program
 Fred Shima, Coordinator, Behavioral Science (Undergraduate) Program
 Rod Freed, Chair, Economics Department
 Linda Groff, Coordinator, Future Policy Studies Minor
 John Auld, Chair, History Department
 Frank Stricker, Coordinator, Labor Studies Program
 Hal Charnofsky, Coordinator, Marriage, Family and Child Counseling Program
 Jeanne Curran, Coordinator, Paralegal Studies Program
 Linda Groff, Chair, Political Science Department
 Larry Rosen, Chair, Psychology Department
 Ed Bryan, Chair, Sociology Department
 John Quicker, Coordinator, Sociology M.A. Program
 Allan Ryave, Coordinator, Human Services Program
 Beverly Palmer, Coordinator, Psychology M.A. Program
 Ruth Hsiung, Chair, Health Science Department

The School of Social and Behavioral Sciences offers a variety of degree, certificate and credential programs at both the undergraduate and graduate levels. In addition, the faculty participates in many interdisciplinary programs housed within the school or in other schools. The school has a strong commitment to the liberal arts as demonstrated by its active participation in the university's General Studies and the Liberal Studies curricula.

The School of Social and Behavioral Sciences offers a broad range of undergraduate majors and minors that prepare students for various professions or for graduate study. The school stresses the view that studies in the liberal arts provide the best academic preparation for careers of leadership in business, public service, teaching and other professional areas. These degree programs provide students with a substantial body of disciplinary knowledge, hands-on research experience, critical evaluation skills, an appreciation for creativity, and experience with pluralistic and comparative behavioral models and theories. Programs are designed to ensure disciplinary breadth and to provide a foundation for academic or professional specialization.

Graduate degrees with various options are offered in several professional areas within the social and behavioral sciences. Each involves advanced application of disciplinary knowledge and are offered in the evening providing opportunities for graduate study by working students.

Baccalaureate Degree Programs

The School of Social and Behavioral Sciences offers undergraduate major degree programs in the following disciplines.

- African-American Studies
- Anthropology
 - General Anthropology Concentration
 - Cultural Resource Management Concentration
- Behavioral Sciences
- Economics
 - General Economics Concentration
 - Quantitative Economics Concentration
- Health Science
 - Clinical Health Option
 - Community Health Option
 - Health Care Management Option
 - Orthotics and Prosthetics Options
- History
- Human Services
 - Childhood and Adolescence Option
 - Adult Life and Gerontology Option
- Labor Studies
- Political Science
 - General Political Science Concentration
 - Global Politics Concentration
- Psychology
- Sociology

Minors are offered in the following areas:

- African-American Studies
- Anthropology
- Behavioral Science
- Economics
- Future Policy Studies
- Health Science
- History
 - General History Minor
 - Applied History Minor
- Labor Studies
- Political Science
- Psychology
- Sociology
- Women's Studies

In addition to the above minors, the School offers several concentrations specifically designed to support the Liberal Studies major program. These include concentrations in anthropology, health science, history, psychology and sociology. For information on these concentrations contact the appropriate department office or the Liberal Studies Program office.

Graduate Degree Programs

Master of Arts degrees are offered in the following areas:

- Behavioral Science
 - Applied Option
 - Gerontology Option
 - Negotiation and Conflict Resolution Option
- Psychology
 - Clinical Psychology Option
 - General Psychology Option
 - Public History/Historic Preservation
- Sociology
 - General Sociology Option
 - Research Skills Option

The Master of Science degree is offered in:

- Marriage, Family and Child Counseling

Certificate and Credential Programs

In addition to the degree programs listed above, the School provides opportunities for students to enhance their skills and credentials beyond their academic degrees by offering several certification and credentialing programs. Credits earned toward academic degrees often can be used to meet some of the requirements for these programs.

Certificates are offered in the following areas:

- Cultural Resource Management
- Paralegal Studies
- Social Research (undergraduate and graduate)
- Negotiation and Conflict Resolution (graduate)

Teacher credential (waiver) programs are offered in the following areas:

- Single Subject Teaching Credential in Government
- Single Subject Teaching Credential in Health Science
- Single Subject Teaching Credential in History
- Single Subject Teaching Credential in Social Science

Evening Programs

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

- Anthropology
- Behavioral Science (B.A. and M.A.)
- Economics
- History
- Human Services
- Political Science
- Psychology (B.A. and M.A.)
- Sociology (B.A.)
- Sociology (M.A.—Research Skills option)

Advisement

Academic advisement for any of the programs listed above is provided by faculty of the School of Social and Behavioral Sciences. Advisement is available through department offices located in the Social and Behavioral Sciences (SBS) Building. Consult the appropriate section of this catalog for participating faculty, and program office locations and telephone numbers. Information also can be obtained from the Dean's Office, SBS E-306 or telephone (213) 516-3429.

THE SCHOOL OF SCIENCE, MATHEMATICS AND TECHNOLOGY

Samuel L. Wiley, Dean
 Robert Giacosis, Chair, Biology Department
 Oliver Seely, Chair, Chemistry Department
 James Welch, Chair, Clinical Science Department
 Frank Chimenti, Chair, Computer Science Department
 David Sigurdson, Chair, Earth Sciences
 Jackson Henry, Chair, Mathematics Department
 Theodore Will, Chair, Physics Department

The School of Science, Mathematics and Technology offers instruction in the disciplines of biology, chemistry, clinical science, computer science, geology, geography, mathematics, physics and quality assurance. In addition to the programs shown below, the School is responsible for instruction within the General Studies 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 teaching; or to provide a scientific background for a future career in business, law or management.

Baccalaureate Degree Programs

Academic majors offered by the School of Science, Mathematics and Technology are:

- Biology
 - General Option
 - Microbiology Option
- Chemistry (B.S.*)
- Chemistry (B.A.)
 - General Chemistry Option
 - Biochemistry Option
- Clinical Science*
 - Cytotechnology Option
 - Medical Technology Option
 - Nuclear Medicine Technology Option
- Computer Science
- Geology
 - Earth Science Option
 - Geology Option
- Geography
- Mathematics
- Physics

Minors are offered in the following fields:

- Actuarial Studies
- Biology
- Chemistry
 - Analytical Chemistry Option
 - Organic/Biochemistry Option
 - Physical Chemistry Option
- Computer Science
- Earth & Marine Sciences
- Geography
- Mathematics
- Microbiology
- Medical Technology
- Physics
- Statistics

Certificates are offered in the following fields:

- Clinical Science - Medical Technology
- Computer Science
- Human Cytogenetic Technology

Graduate Degree Programs

Master's degree programs are offered in the following fields:

- Biology
- Clinical Science

An external master's degree in Quality Assurance is available at off-campus sites.

Evening Programs

Students seeking to complete degree requirements in the School of Science, Mathematics and Technology through night enrollment will be able to do so in the following fields:

- Biology (M.A.)
- Clinical Science (M.S.)
- Computer Science
- Human Cytogenetic Technology Certificate
- Quality Assurance

Advisement

Academic advisement for all students selecting academic majors or minors in the School of Science, Mathematics and Technology is available through the school and 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.

SPECIAL PROGRAMS

Carol D. Guze, Associate Vice President of Academic Affairs and Dean of Graduate Studies

The Special Programs (SPP) unit consists of those academic programs that are interdisciplinary, multidisciplinary and experimental in nature and which draw upon the talents of the entire campus community.

The Interdisciplinary Studies program offers a bachelor's degree with several options and minors as well as elective courses for all students. Of special interest to full-time working adults is the Program for Adult Education (PACE), an option within the B.A. in Interdisciplinary Studies.

Also in this unit is the Cooperative Education program, which assists students in finding job related and community service internships. The General Studies (general education), Graduation Writing Assessment Requirement and Honors programs' coordinators are part of this unit.

A Special Major (B.A. B.S. M.A. M.S.) or Minor is available to students who wish to design a program unique to their needs and interests with the assistance and approval of university faculty.

Baccalaureate Degree Programs

Special Programs offers undergraduate major degree programs in the following disciplines:

- Interdisciplinary Studies, B.A.
 - Civilizations Concentration
 - Environmental Studies Concentration
 - Human Studies Concentration
 - PACE
 - Science, Technology and Society Concentration
- Special Major, B.A./B.S.

Minors are offered in the following fields:

- Interdisciplinary Studies
- Special Minor

* Single Field Major.

Graduate Degree Programs are offered in the following field:

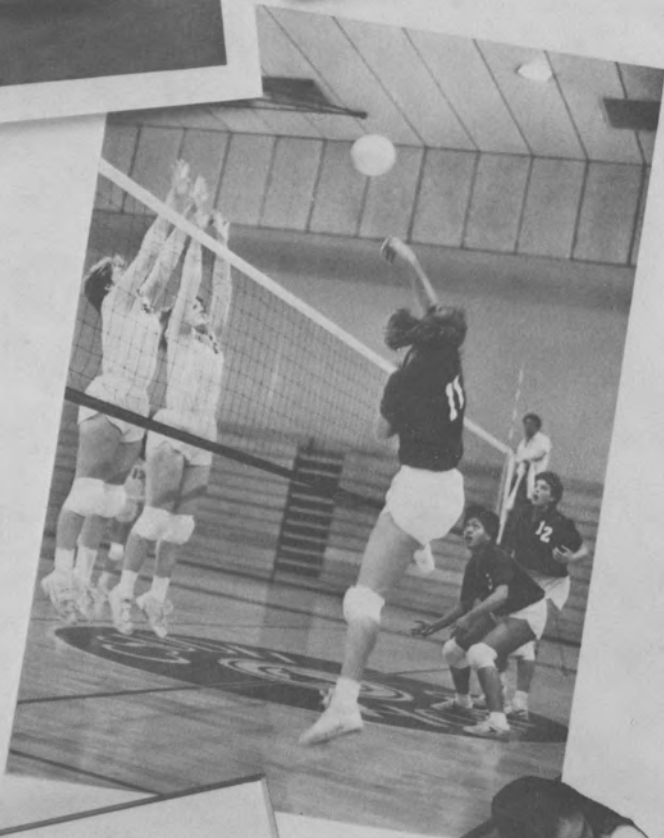
Interdisciplinary Studies (Special Major), M.A./M.S.

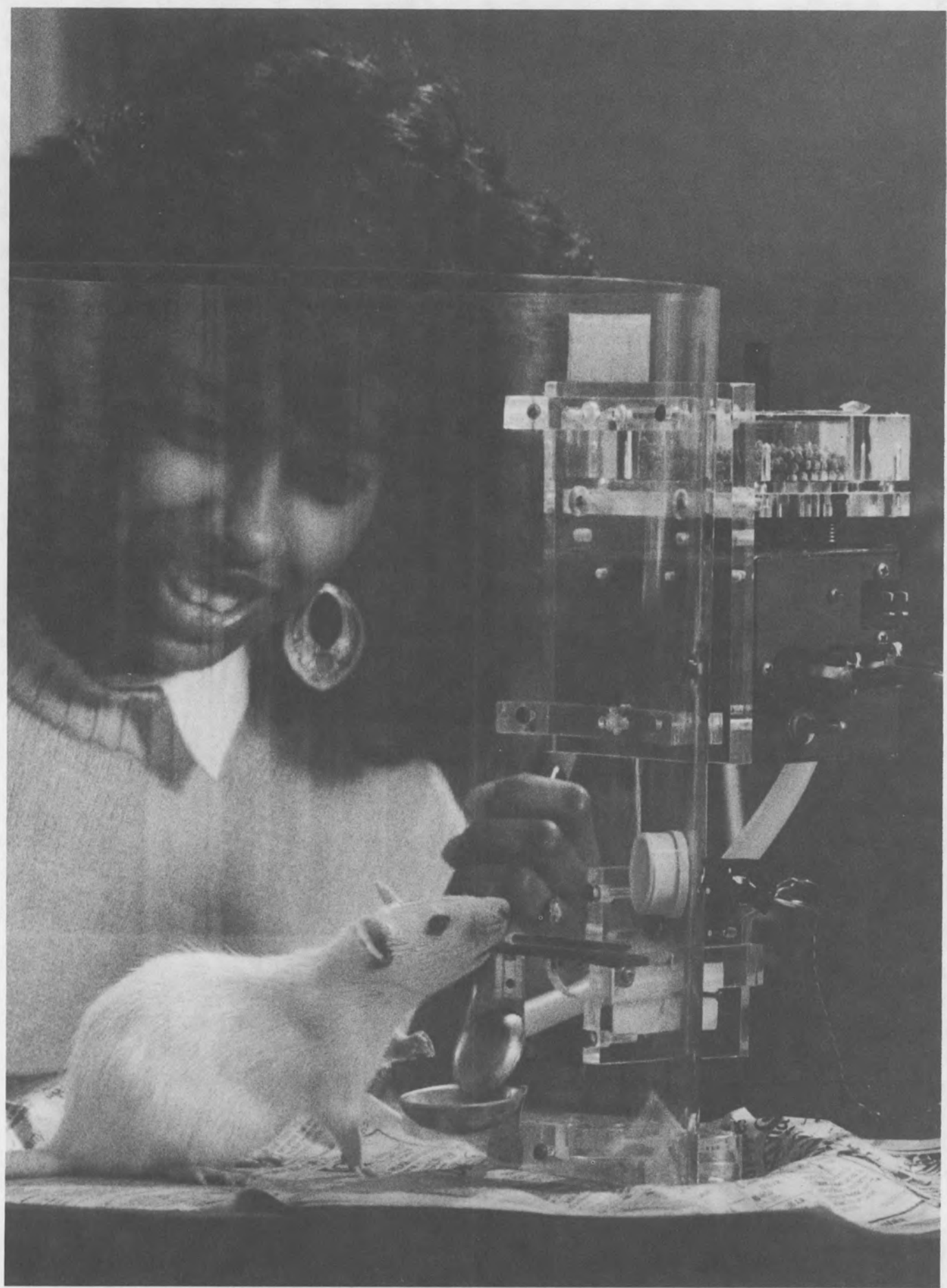
Evening Programs

Students seeking to complete major degree requirements through night enrollment will be able to do so in the PACE program of the Interdisciplinary Studies major.

Advisement

Academic advisement for all students in the SPP programs is available through the SPP office. Students in the academic programs are assigned a faculty mentor who is responsible for academic advisement throughout the student's years at CSU Dominguez Hills.





ACADEMIC PROGRAMS

UNDERGRADUATE MAJORS AND OPTIONS/CONCENTRATIONS

- B.A. in African-American Studies
- *B.A. in Anthropology
 - General Anthropology Concentration
 - Cultural Resource Management Concentration
- B.A. in Art
 - Art History Option
 - Studio Art Option
 - Design Option
- *B.A. in Behavioral Sciences
- B.A. in Biology
 - General Biology Option
 - Microbiology Option
- *B.S. in Business Administration (Single Field Major)
 - Accounting Concentration
 - Computer Information Systems Concentration
 - Finance Concentration
 - General Business Concentration
 - Human Resource Administration Concentration
 - International Business Concentration
 - Management Concentration
 - Marketing Concentration
 - Production and Operations Management Concentration
 - Small Business and Entrepreneurship Concentration
- B.S. in Chemistry (Single Field Major)
- B.A. in Chemistry
 - Biochemistry Option
 - General Chemistry Option
- B.S. in Clinical Sciences (Single Field Major)
 - Cytotechnology Option
 - Medical Technology Option
 - Nuclear Medicine Technology Option
- B.A. in Communications
 - Journalism Option
 - *Public Relations Option
 - Television Studies
- *B.S. in Computer Science
- *B.A. in Economics
 - General Economics Concentration
 - Quantitative Economics Concentration
- *B.A. in English
 - Language and Linguistics Option
 - Literature Option
- B.A. in French
- B.A. in Geography
- B.A. in Geology
 - Earth Science Option
 - Geology Option
- B.S. in Health Science
 - Clinical Health Option (Single Field Major)
 - Community Health Option
 - Health Care Management Option
 - Orthotics and Prosthetics Option (Single Field Major)
- *B.A. in History

- *B.A. in Human Services (Single Field Major)
 - Childhood and Adolescence Option
 - Adult Life and Gerontology Option
- B.A. in Interdisciplinary Studies
 - Civilizations Concentration
 - Environmental Studies Concentration
 - General Concentration
 - Human Studies Concentration
 - Science, Technology and Society Concentration
- B.A. in Labor Studies
- B.A. in Liberal Studies (Single Field Major)
- B.A. in Mathematics
- B.A. in Mexican-American Studies
- B.A. in Music
 - Instrumental Performance Option
 - Vocal Performance Option
 - Conducting Option
 - Theory and Composition Option
 - Theory and History Option
 - Music Education Option (Single Field Major)
 - Audio Recording Option
 - Electronic Music Synthesis Option
- B.S. in Nursing (through Statewide Nursing Program)
- *B.A. in Philosophy
 - General Philosophy Option
 - Religious Studies Option
- B.A. in Physical Education
 - General Physical Education Option
 - Teaching Option
 - Athletic Training Option
 - Fitness Director Option
- B.A. in Physics
- *B.A. in Political Science
 - General Political Science Concentration
 - Global Politics Concentration
- *B.A. in Psychology
- *B.S. in Public Administration (Single Field Major)
 - Administrative Management Concentration
 - Criminal Justice Administration Concentration
 - Health Services Administration Concentration
 - Public Financial Management Concentration
 - Public Personnel Administration Concentration
 - Risk Management and Insurance Concentration
 - Urban Administration Concentration
- B.A. in Recreation
- *B.A. in Sociology
- B.A. in Spanish
 - Language and Literature Option
 - Public Service Option
- B.A./B.S. Special Major
- B.A. in Theatre Arts
 - General Theatre Arts Option
 - Performance Option
 - Technical Theatre and Stage Design Option

MINORS

- Actuarial Studies
- Advertising
- African-American Studies
- Analytical Chemistry option
- Anthropology
- Applied History
- Art History

Asian Studies
 Audio Recording and Music Synthesis
 Behavioral Sciences
 Biology
 Business Administration
 Business Information Systems
 Coaching
 Communications
 Computer Art
 Computer Science
 Crafts
 Dance
 Design
 Earth Sciences
 Economics
 English
 French
 Future Policy Studies
 General Option
 Energy Studies Option
 Geography
 Geology
 Health Science
 History
 Interdisciplinary Studies
 Civilizations
 Human Studies
 Science, Technology and Society
 Thematic Project
 Labor Studies
 Linguistics
 Mathematics
 Medical Technology
 Mexican American Studies
 Microbiology
 Music
 Organic/Biochemistry
 Philosophy
 Physical Chemistry
 Physics
 Political Science
 Psychology
 Public Administration
 Recreation
 Religious Studies
 Sociology
 Spanish
 Special Minor
 Statistics
 Studio Art
 Theatre Arts
 General option
 Performance option
 Speech
 Women's Studies

GRADUATE DEGREE PROGRAMS AND OPTIONS

- *M.A. in Arts Administration
- *M.A. in Behavioral Science
 - Applied Behavioral Science Option
 - Gerontology Option
 - Negotiation and Conflict Resolution
- *M.A. in Biology
- *M.B.A. Masters in Business Administration
 - General Management Concentration
 - Computer Information Systems Concentration
- M.S. in Clinical Science
 - Bioanalysis Option
 - Clinical Science Management Option
 - Cytotechnology Option
 - Education Option
 - Immunohematology Option
 - Medical Technology Option
 - Nuclear Medicine Option
- *M.A. in Education
 - Computer Based Education Option
 - Counseling Option
 - Teaching/Curriculum Option
 - Educational Administration Option
 - Individualized Program Option
 - Multicultural Option
 - Physical Education Option
- *M.A. in English
 - Literature Option
 - Rhetoric and Composition Emphasis
 - Teaching of English as a Second Language (TESL) Option
- *M.A. in Humanities
- *M.A. in Humanities (External Degree)
 - M.A./M.S. Interdisciplinary Studies (Special Major)
- *M.S. in Marriage, Family and Child Counseling
 - M.S. in Nursing (through Statewide Nursing Program)
 - Nurse Education
 - Nurse Administration
 - Parent-Child Nurse Specialist
 - Gerontology Clinical Nurse Specialist
- *M.A. in Psychology
 - General Psychology Option
 - Clinical Option
- *M.P.A. Masters in Public Administration
- *M.A. in Public History and Historic Preservation
 - M.S. in Quality Assurance
- M.A. in Sociology
 - General Sociology Option
 - *Research Skills Option
- M.A. in Special Education

*CREDENTIAL PROGRAMS

Basic Teaching Credentials

- Multiple Subject (Elementary)
 - Traditional
 - Intern
- Multiple Subject with Bilingual Emphasis
- Single Subject
 - Traditional
 - Intern
- Designated Subjects Credential (Adult Education)

Service Credentials

Administrative Services
 Preliminary
 Professional

Pupil Personnel Services
 School Counseling
 School Psychology

Specialist Credentials

Bilingual/Cross Cultural
 Resource Specialist Certificate
 Special Education
 Learning Handicapped
 Severely Handicapped

CERTIFICATE PROGRAMS

Alcoholism and Drug Counseling (through Extended Education)

Audio Recording and Music Synthesis

Audio Technology

Clinical Science-Medical Technology

Computer Art

*Computer Based Education

*Computer Science

*Cultural Resource Management

Cross Cultural Special Education

Design

Fitness Instructor

*Human Cytogenetic Technology

Labor Studies

Negotiation and Conflict Resolution (graduate)

Nursing (through Statewide Nursing Program)

Public Health Nursing (undergraduate)

Quality Assurance (graduate)

Orthotics (through Extended Education)

*Paralegal Studies

Production and Inventory Control
 (through Extended Education)

*Rhetoric and Composition (Graduate)

*Social Research (Undergraduate)

*Social Research (Graduate)

*Spanish for Public Service

Teaching of English as a Second Language (TESL)
 (Graduate)

Television Studies



AFRICAN-AMERICAN STUDIES

BACHELOR OF ARTS

MINOR

FACULTY

Clement Udeze and Joyce Johnson, Program Coordinators

Hansonia Caldwell, James Clayton, Larry Gray, Carolyn Harris, William McCoy, Ramona Davis, Deborah Sears, O.W. Wilson and additional faculty members from cooperating departments

Department Office
SBS A-336, (213) 516-3614

PROGRAM DESCRIPTION

The interdisciplinary program in African-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 to American culture.

FEATURES

Both the bachelor of arts and the minor in African-American Studies provide a unique academic opportunity to combine study in the social and behavioral sciences with the humanities and fine arts. They focus upon a body of knowledge that records and describes the history of Blacks in Africa and the United States, which includes defining and delineating the contemporary social, political, economic, educational and cultural status of African-Americans.

All requirements for the bachelor of arts and the minor can usually be completed by day students over two calendar years.

ACADEMIC ADVISEMENT

All members of the African-American Studies committee serve as academic advisors. For an appointment, call the African-American Studies departmental office.

It is important that students work closely with an advisor in planning their academic program because some required courses are offered on a one- or two-year rotational basis. The assistance of advisors also is important in selecting appropriate selected studies. The committee recommends that students with either a major or a minor in African-American Studies see an advisor as early in their academic career as possible and also before registering for classes each semester. Transfer students should see an advisor before registering for any classes to avoid course duplication and to determine if a course is transferable.

CAREER POSSIBILITIES

Employment and graduate study opportunities continue to expand for students with a major in African American Studies. Some examples are: Affirmative Action coordinator, curator, writer, consultant, foreign service officer, social worker, labor relations specialist, public relations specialist, educational administrator, management specialist, theologian, community services planner, historian, linguist, librarian, urban planner, correctional officer, sales, teacher, lawyer, law enforcement/criminal justice professional, counselor professional.

MAJOR REQUIREMENTS - BA (24 units)**A. Core Courses (6 units)**

(The Committee strongly recommends that students take courses in the following sequence and before completing other requirements in the major.)

AAS 300. Introduction to African-American Studies (3) or
HUM 312. Key Movements: The Harlem Renaissance (3)*
HIS 343. The African-American from Africa through
Reconstruction (3) or
HIS 344. The African-American from Reconstruction to
the Present (3)

B. Any two of the following in the School of Social and Behavioral Sciences. At least two departments must be represented (6 units).

HIS 343. The African-American from Africa through
Reconstruction(3)**
HIS 344. The African-American from Reconstruction to the
Present (3)**
HIS 360. Africa: Pre-Colonial Period (3)
HIS 361. Africa: Colonialism to Independence (3)
HIS 376. Film as History: Black History through Films (3)
POL 323. Black Politics (3)
POL 349. Government and Politics in Sub-Saharan
Africa (3)
PSY 382. Psychological Development of the Black Child (3)
PSY 383. Psychology of the Black Experience (3)
SOC 331. Minority Racial and Ethnic Relations (3)
SOC 335. Social Movements: Black Awareness (3)
SOC 383. Black Communities: Class, Status and Power (3)
AAS 395. Selected Topics in African-American Studies (3)+

C. Any two of the following in the School of Humanities and Fine Arts (6 units).

HUM 312. Key Movements: The Harlem Renaissance and/or
The 60's the Second Black Renaissance (3)**
ART 365. Black African Art (3)+
ENG 317. Sociolinguistics: Black English (3)+
ENG 343. African-American Poetry and Drama (3)
ENG 344. African-American Prose (3)
MUS 401. African-American Music (3)+
AAS 395. Selected Topics in African-American Studies (3)+

D. Selected Studies in the African-American culture (3 units):

1. AAS 494. Independent Study (1-3) and/or
AAS 497. Research Methods in the African-American
Community (1-3) or
2. AAS 499. Senior Project (3) or
3. Practicum in African-American Studies (3) Completion of
an internship in a community agency, or organization
where the student can gain preprofessional experiences
relevant to African-American life and culture. Participa-
tion in the practicum must be approved by the African-
American Studies Program Coordinator. Academic credit
for the practicum experience is obtained through enroll-
ing in
CED 310. Seminar (1) and
CED 320. Internship (2)

E. AAS 490. Seminar in African-American Studies (3)+**MINOR REQUIREMENTS (18 units)****A. Core Courses (6 units)**

Select two courses from the following:

AAS 300. Introduction to African-American Studies (3) or
HUM 312. Key Movements: The Harlem Renaissance (3)*
HIS 343. The African-American from Africa through Recon-
struction (3) or
HIS 344. The African-American from Reconstruction to
the Present (3)

B. Options: Select one of the two options in consultation with your advisor.**Humanities Option (6 units)**

Select two courses from the following. At least two depart-
ments must be represented.

HUM 312. Key Movements: The Harlem Renaissance and/or
The 60's the Second Black Renaissance (3) **
ENG 317. Sociolinguistics: Black English (3)
ENG 343. African-American Poetry and Drama (3)
ENG 344. African-American Prose (3)
MUS 401. African-American Music (3)+
ART 365. Black African Art (3)
AAS 395. Selected Topics in African-American Studies (3)+

Social Science Option (6 units)

Select two courses from the following:

SOC 331. Minority Racial and Ethnic Relations (3)
SOC 335. Social Movements: Black Awareness (3)
SOC 383. Black Communities: Class, Status and Power (3)
POL 323. Black Politics (3)
HIS 343. The African-American from Africa through Recon-
struction (3)**
HIS 344. The African-American from Reconstruction to the
Present (3)**
HIS 360. Africa: Pre-Colonial Period (3)
HIS 361. Africa: Colonialism to Independence (3)
PSY 382. Psychological Development of the Black Child (3)
PSY 383. Psychology of the Black Experience (3)
AAS 395. Selected Topics in African-American Studies (3)+

C. Selected Studies in the African-American culture (3 units):

1. AAS 494. Independent Study (1-3) and/or
AAS 497. Research Methods in the African-American
Community (1-3) or
2. AAS 499. Senior Project (3) or
3. Practicum in African-American Studies (3) Completion of
an internship in a community agency, or organization
where the student can gain preprofessional experiences
relevant to African-American life and culture. Participa-
tion in the practicum must be approved by the African-
American Studies Program Coordinator. Academic credit
for the practicum experience is obtained through enroll-
ing in
CED 310. Seminar (1) and
CED 320. Internship (2)

D. AAS 490. Seminar in African-American Studies (3)+

+Consult course Description for Prerequisite(s).

*Cannot be used to count both in the major and in General Studies

**This Course may be used to fulfill requirements in this section only if it was not used as a Core Course in Part A.

COURSE OFFERINGS IN AFRICAN-AMERICAN STUDIES

Upper Division

AAS 300 INTRODUCTION TO AFRICAN-AMERICAN STUDIES (3). *Prerequisite: Completion of EPT Requirement.* A critical interdisciplinary overview of origins, curricula content, and academic and social mission of Black Studies. Primary intent is to provide students with a definitive grasp of Black thought, practice and contribution to human advancement in historical and current settings. Three hours of lecture per week.

AAS 395 SPECIAL TOPICS IN AFRICAN-AMERICAN STUDIES (3)*. *Prerequisite: Completion of EPT Requirement and consent of instructor.* Intensive study of a single period, figure, movement, or idea in African-American history/culture. Course repeatable for credit. Topics will be announced in Schedule of Classes. Three hours of lecture per week.

AAS 490 SEMINAR IN AFRICAN-AMERICAN STUDIES (3). *Prerequisite: Completion of EPT Requirement, Senior standing and consent of instructor.* An integrative seminar serving as a capstone to the major in African-American Studies. Intensive study of selected topics relating to the African-American culture and the preparation of research papers by members of the class. Three hours of seminar per week.

AAS 494 INDEPENDENT STUDY (1-3). *Prerequisites: Consent of the instructor; completion of EPT requirement.* Independent study of particular topics in African-American Studies under the direction of a member of the African-American Studies faculty.

AAS 497 RESEARCH METHODS IN THE AFRICAN-AMERICAN COMMUNITY (1-3). *Prerequisites: Consent of instructor and program coordinator; completion of EPT and ELM requirements.* Supervised research experience in the African-American community, including public and private agencies in education, social welfare, industry and the arts. Reviews basic techniques in research design with emphasis on measurement and social science techniques.

AAS 499 SENIOR PROJECT (3). *Prerequisite: Completion of EPT Requirement, consent of instructor and program coordinator.* In consultation with an African-American studies faculty, student undertakes a major project such as the following: original research and thesis on a given African-American historical or theoretical topic; a creative project such as an original musical composition, art work or performance with supporting scholarly program notes.

*Cannot be used to count both in the major and in General Studies

ANTHROPOLOGY

BACHELOR OF ARTS

General Concentration

Cultural Resource Management Concentration

MINOR

CERTIFICATE

Cultural Resource Management

FACULTY

Edward B. Weil, Department Chair

Joann C. Fenton (Emeritus), Margaret Gordon, Kenneth L. Kuykendall, Yolanda T. Moses, Sandra L. Orellana, Polly Pope (Emeritus)

Aura-Elba Frickel, Department Secretary
SBS G-322, (213) 516-3443

PROGRAM DESCRIPTION

The Department of Anthropology offers undergraduate students coursework in the four anthropological subdisciplines: ethnology, archaeology, physical anthropology and anthropological linguistics. In addition, courses focus on contemporary disciplinary research, area studies and societal applications of anthropological knowledge.

By majoring or minoring in anthropology, a student gains a better understanding of people's behavior within cultural settings. Anthropology studies the varied nature of human experience in American society and in the cultures of the world. Through this study of people, their life styles and how they adapt to cultural change, both present and past, a student is better prepared to comprehend human behavior. What distinguishes anthropology from other disciplines concerned with people is its holistic perspective or encompassing view, and its central concern with the concept of culture.

The Department of Anthropology, in the School of Social and Behavioral Sciences, offers a major and minor in the discipline. Majors may choose between the general anthropology concentration or the cultural resource management concentration. With additional applied work in Cultural Resource Management, the student will be awarded a Certificate.

Comparative and evolutionary, scientific and humanistic, anthropology provides a unique opportunity for broadening and integrating one's view of human existence. Goals of the major concentration in General Anthropology include an understanding of cultural heritage along with a general overview of the significance of cultural change, whether that change be ongoing, from the past, or anticipated in the future. Acquainting students with the cross-cultural perspective and cultural pluralism also are major goals of the general anthropology concentration.

The major concentration in Cultural Resource Management is designed to provide the undergraduate student with a strong background in general anthropology, archaeology and cultural preservation policy. It stresses anthropological theory, archaeological methodology, field research, data collection, area studies and applications of the field to cultural resource assessment. Required courses outside the department familiarize students with the interdisciplinary nature of cultural preservation and environmental impact procedures. In the face of rapid population expansion and increased development, public concern has grown to protect the quickly diminishing cultural resources related to our ancestral and traditional heritage. In addition to the concentration, the department offers a certificate in Cultural Resource Management to those students who complete the program and demonstrate competence in applied aspects of the field.



The minor in anthropology complements a major in other disciplines and professional programs such as biology, health sciences, art, communications, history, philosophy and the other behavioral sciences. Students have the opportunity to develop a focused minor in consultation with an advisor in specialized areas such as medical anthropology, New World cultures, physical anthropology, cognitive anthropology, etc.

FEATURES

The Anthropology Laboratory is equipped for the student study of archaeological collections. Several comparative collections have been developed for analysis of artifactual materials from Southern California archaeological sites. A variety of technical equipment is available that can be used to measure, analyze and compile data applicable to archaeological research. In addition, the laboratory possesses anthropometric and photographic equipment, and specimens for the study of comparative primate anatomy.

Students are provided the directed opportunity to experience archaeological and ethnographic fieldwork in the context of coursework and extra-curricular research activities. Local learning and research opportunities often are arranged through internships with local museums, research organizations and in corporate settings.

Field studies in archaeology are often offered in the spring semester, making use of sites at the CSU Desert Research Center in the Mojave Desert and other localities in the vicinity of the university. Students are instructed in field and laboratory research procedures.

The Cultural Resource Management Concentration and Certificate Program is the only undergraduate program of its kind in the Los Angeles Basin.

ACADEMIC ADVISEMENT

As early as possible each major and minor student should select an academic advisor from among the department faculty. It is suggested that students select the department faculty member whose experience and expertise most closely reflects their own interests and career plans. An advisor will provide educational and professional guidance during the undergraduate curriculum. Advisors are familiar with disciplinary opportunities and current directions and can assist with career planning. In addition, the academic advisor can recommend or refer students to other campus services such as skills assessment, development and enhancement. Advisors will assist in verifying that each student completes university and departmental requirements.

PREPARATION

Students will find classes in the following areas useful to the appreciation of anthropological coursework: history, ancient civilizations, art history, biology, geography, earth science, foreign languages and social studies.

No specific college courses are required for anthropology majors or minors. Transfer students with previous coursework in anthropology should consult with an advisor to determine which courses are transferable for lower and upper division units towards completion of the major or minor.

CAREER POSSIBILITIES

The Department of Anthropology provides undergraduate training for students interested in developing careers in academic, research and applied aspects of the discipline. Often post-graduate work is useful or required in certain job categories. However, persons with anthropological background are employed in a wide range of service areas: education, government, environmental and socioeconomic consulting, medical research, planning, social services, personnel, marketing/advertising, international business, law, tourism and a variety of occupations for which knowledge and appreciation of cultural diversity is important. Students should discuss career objectives with an academic advisor in

order to develop an appropriate curriculum and research interests.

MAJOR REQUIREMENTS - BA

GENERAL CONCENTRATION (30 units)

Lower Division Requirements (6 units)

- ANT 100. Introduction to Cultures (3)
- ANT 115. Introduction to Archaeology and Physical Anthropology (3)

Upper Division Requirements (24 units)

- A. A minimum of one course selected from each of the following groups:
1. ANT 310. Culture and Personality: Psychological Anthropology (3)
 2. ANT 312. Language and Culture (3)
ANT 341. Folklore (3)
 3. ANT 313. Methods and Techniques of Archaeology (3)+
ANT 350. Old World Archaeology (3)
ANT 351. New World Archaeology (3)
ANT 355. Culture and Ecology (3)
ANT 362. Primate Social Behavior (3)
ANT 452. Public Anthropology and Public History (3)
- B. Required Course (3 units):
- ANT 388. Anthropological Theories of Behavior (3)+
- C. Electives to provide a total of 24 upper division semester units may be selected from any of the upper division Anthropology courses.

CULTURAL RESOURCE MANAGEMENT CONCENTRATION (33 units)

Lower Division Requirements (6 units)

- ANT 100. Introduction to Cultures (3)
- ANT 115. Introduction to Archaeology and Physical Anthropology (3)

Upper Division Requirements (27 units)

Required courses:

- ANT 313. Methods and Techniques of Archaeology (3)+
- ANT 351. New World Archaeology (3)
- ANT 388. Anthropological Theories of Behavior (3)+
- ANT 452. Public Anthropology and Public History (3)

A minimum of one course selected from the following:

- ANT 320. Cultures in Urban Communities (3)
- ANT 341. Folklore (3)

A minimum of two courses selected from the following:

- ANT 330. North American Indians (3)
- ANT 350. Old World Archaeology (3)
- ANT 355. Culture and Ecology (3)

A minimum of two program-related upper division courses to be selected in consultation with the program coordinator from at least two of the following departments:

- Biology
- Earth Sciences
- Geography
- History
- Political Science
- Interdisciplinary Studies

MINOR REQUIREMENTS (15 units)

The minor consists of five courses in Anthropology. In consultation with an advisor, a specialized minor focusing on a specific aspect of anthropology can be developed in an area such as: Medical Anthropology, Human Evolution, Applied Anthropology, Educational Anthropology.

Lower Division Requirements (6 units)

- ANT 100. Introduction to Cultures (3)
- ANT 115. Introduction to Archaeology and Physical Anthropology (3)

Upper Division Requirements (9 units)

Select three upper division Anthropology courses

CERTIFICATE REQUIREMENTS

CERTIFICATE IN CULTURAL RESOURCE MANAGEMENT

In addition to the coursework listed for the major concentration in Cultural Resource Management, the awarding of the certificate is based on demonstrated applied experience in the professional aspects of Cultural Resource Management. Students must demonstrate competence in at least two of the following areas:

1. intensive archaeological or ethnographic field experience relating to Cultural Resource Management; this experience must extend beyond an introductory field course.
2. laboratory analysis in which the student demonstrates knowledge of methods and techniques in handling, processing, and interpreting either archaeological or ethnographic findings.
3. report preparation experience in which the archaeological or anthropological aspects of Cultural Resource Management are stressed.

The applied experiences required for the certificate in Cultural Resource Management can be obtained through independent study, enrollment in a Special Topics course, volunteer training, internships or actual professional experience of reasonable duration gained through employment in cultural resource management programs or projects. Arrangements for such experiences and individual competencies need to be made in advance under the guidance of the program coordinator and the department chair. Consultation should take place as soon as possible after the student selects this certificate program and also periodically while participating in the program.

COURSE OFFERINGS IN ANTHROPOLOGY

Lower Division

ANT 100 INTRODUCTION TO CULTURES (3). 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. Three hours of lecture.

ANT 115 INTRODUCTION TO ARCHAEOLOGY AND PHYSICAL ANTHROPOLOGY (3). 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. Three hours of lecture per week.

Upper Division

ANT 310 CULTURE AND PERSONALITY: PSYCHOLOGICAL ANTHROPOLOGY (3). Examination of the human personality within cultural contexts. Topics include personality formation and child-rearing; stress and mental/physical health problems which occur with cultural change; aging, roles and communication among local and worldwide ethnic groups. Three hours of lecture per week.

ANT 312 LANGUAGE AND CULTURE (3). Analysis of language as an aspect of culture. Relationship between language and culture patterns, dynamics of language and cultural change; the problem of meaning. Three hours of lecture per week.

ANT 313 METHODS AND TECHNIQUES OF ARCHAEOLOGY (3). *Prerequisite: Consent of instructor.* Basic procedures and techniques used by archaeologists to excavate, analyze and interpret prehistoric remains. Field and/or laboratory activities. Variable topics will include field procedures, laboratory procedures or archaeological method and theories. Six hours of activity per week.

ANT 315 MAGIC AND RELIGION (3). A comparative analysis of magico-religious systems in their cultural setting and the role of the supernatural in human societies. Three hours of lecture per week.

ANT 320 CULTURES IN URBAN COMMUNITIES (3). Cross-cultural examination of patterns of community and urban culture. Topics include study of multi-cultural relations within non-urban and urban communities. Three hours of lecture per week.

ANT 324 TOURISM AND TRAVEL IN ANTHROPOLOGICAL PERSPECTIVE (3). Study of travel and tourism as cultural manifestations of leisure, exploration, mobility and status. Applications of anthropology to the study of ideological, social and economic effects of tourism on indigenous cultures and the development of tourism policy. Three hours of lecture per week.

ANT 330 NORTH AMERICAN INDIANS (3). Comparative study of cultural patterns of selected past and present native peoples of the United States and Canada. Three hours of lecture.

ANT 333 ANCIENT PEOPLES OF CENTRAL MEXICO (3). The history of cultures of Central Mexico, beginning with the rise of the Olmecs to the establishment of the great cities of Teotihuacan, and Tenochtitlan. Culminates with in-depth study of Aztec society. Three hours of lecture per week.

ANT 335 COMPARATIVE CULTURES (3). A survey of principal contemporary cultural types and their geographic distribution. Selected cultures are examined regarding social organization, political and economic systems, culture history, ideology, the arts and culture change. Three hours of lecture.

ANT 341 FOLKLORE (3). Theory and method in the study and collection of folktales, myths, legends, proverbs, riddles, and other forms of verbal tradition. Three hours of lecture per week.

ANT 344 AGING IN CROSS-CULTURAL PERSPECTIVE (3). 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. Three hours of lecture per week.

ANT 345 MEDICAL ANTHROPOLOGY (3). 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. Three hours of lecture per week.

ANT 346 ANTHROPOLOGY OF WORK (3). Examination of the significance of work in contemporary societies. Cross-cultural comparisons of workers' life styles. Impact of changing cultural conditions on work patterns. Three hours of lecture.

ANT 350 OLD WORLD ARCHAEOLOGY (3).* 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. Variable topics will include the prehistory of different culture areas and chronological periods. Three hours of lecture per week.

ANT 351 NEW WORLD ARCHAEOLOGY (3).* 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. Variable topics will include the prehistory of different culture areas and chronological periods. Three hours of lecture per week.

ANT 355 CULTURE AND ECOLOGY (3). Examination of the dynamic relationships between cultures and their environments. Survey of the theories, methods and applications of the cross-cultural, ecological perspective to the study of human populations. Applications of the concepts of systems, energetics and ecological adaptation. Three hours of lecture per week.

ANT 362 PRIMATE SOCIAL BEHAVIOR (3). Survey of the social behavior and organization of monkeys and apes and their relevance to the evolution of human behavior and social organization. Three hours of lecture per week.

ANT 370 PEOPLES OF THE OLD WORLD (3).* 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. Three hours of lecture per week.

ANT 375 ETHNOGRAPHIC METHODS AND TECHNIQUES (3).* *Prerequisite: ANT 100.* Examination of ethnographic methodologies as used to obtain anthropological information, and to acquaint students with techniques of obtaining, ordering and analyzing cultural data. Students complete a research project based on ethnographic data collection. Three hours of lecture per week.

ANT 388 ANTHROPOLOGICAL THEORIES OF BEHAVIOR (3). *Prerequisite: One course in Anthropology.* Historical survey and critical analysis of major schools of anthropological thought employed in explaining sociocultural behavior and phenomena. An integrative examination of current developments, issues and applications of the field of anthropology. Three hours of lecture per week.

ANT 389 TRANSMISSION OF CULTURE (3). Examination of the concept of culture; emphasis on exploration of cross-cultural commonalities and differences in societal responses. Analysis of dynamics of cultural change with reference to ethnic and immigrant groups and institutions in America today. Topics include roles, institutions, educational processes, family interaction and structure of social systems. Three hours of lecture per week.

ANT 452 PUBLIC ANTHROPOLOGY AND PUBLIC HISTORY (3). Review of the legal basis for cultural resource and the procedures used by anthropologists, archaeologists, historians and architects to implement policies of historic preservation and conservation. Environmental impact reports pertaining to public anthropology and public history will be evaluated for their bureaucratic requirements and research potential. Three hours of lecture per week.

ANT 494 INDEPENDENT STUDY (2, 3).* *Prerequisite: Consent of instructor.* Independent study of a particular problem under the direction of a member of the anthropology department.

ANT 495 SELECTED TOPICS IN ANTHROPOLOGY (3).* *Prerequisite: Consent of instructor.* An intensive study of an issue, concept or theory in anthropology that is of special interest to both the faculty member and the students. Three hours of lecture per week.

ART

BACHELOR OF ARTS

Art History Option
Studio Art Option
Design Option

MINORS

Art History
Computer Art
Crafts
Design
Studio Art

CERTIFICATES

Computer Art
Design

SINGLE SUBJECT WAIVER PROGRAM

Art

FACULTY

Louise H. Ivers, Department Chair

Bernard Baker, John Goders, Arthur L. Harshman, Gilah Hirsch,
Noreen Larinde, S. Glen White

Kathleen Zimmerer-McKelvie, Art Gallery Director

Robin Ramsey, Department Secretary
HFA A-111, (213) 516-3310

PROGRAM DESCRIPTION AND FEATURES

The Art Department programs at CSU Dominguez Hills are characterized by a unique and close correlation among the Art History, Studio Art and Design Options, and by a strong coordination among the different studio areas. The student may complete both the major and the minor in the Art Department only if the titles are different.

The Art History Option offers the student one of the richest choices of courses to be found at the undergraduate level in the California State University; while in the Studio Art and Design Options, he/she will benefit from close supervision in small classes with a professionally active faculty. All members of the Art Department faculty, including the art historians, hold degrees in Studio Art or Design; all are tenured and hold the highest degree in their area of specialization. The Department is located in a university with ready access to major freeways, allowing easy commuting to art galleries and museums in the Los Angeles area. The student graduating in art from CSU Dominguez Hills is assured of high quality education through the Art Department's accreditation by the **National Association of Schools of Art and Design**. The student will find our Art Department unique, small in size but high in quality.

The fine arts facility, in the Humanities and Fine Arts building, is located within one of the newer structures on campus. All of the traditional visual arts areas include generously sized studios, and the majority of these adjoin exterior patios, which further extend their usable space and take advantage of Southern California's mild climate. The studios are furnished with the most sophisticated equipment currently available. The printmaking area has all necessary equipment for metal intaglio, relief and calligraphy printing, stone and plate lithography and serigraphy; the ceramics patio houses kilns of various types, in addition to providing ample space for kiln building and Raku firing. Sculpture occupies two 1,200 square foot studios that adjoin a central workshop and toolroom open to all students. Tools and machines are available for working with clay, stone, wood, metal and plastic. The design studio adjoins a graphic design lab and computer graphic center; equipment includes a vertical camera, copy composer, leadliner,



color-key unit and various types of micro computer systems. Painting and drawing studios are large, airy and well-lighted.

The University Art Gallery contains over 2,000 square feet of exhibition space, while the Art History Option utilizes a slide library of over 90,000 holdings. The Gallery has frequent exhibitions, including guest lectures by exhibiting artists, and provides for a Senior Art Exhibition each spring semester.

Aside from small classes, art student interaction also is fostered by Spectrum, our student art club. Free studio time is available at least eight hours a day, and students enrolled in art classes also have access to the studios in the evenings and on weekends.

Immediately to the north of the Humanities and Fine Arts building is a four-acre mall containing a developing sculpture garden.

ACADEMIC ADVISEMENT

Advising for art majors and minors is done by art faculty members. Students may select their own advisor, or may stop by the Art Department office (HFA A-111) to be assigned to an advisor. The advisor will facilitate the student's smooth passage through his/her educational experience. Students should consult their advisors each semester before registration to discuss their program, especially when they have completed 60 or 90 semester units. When coming to an advising appointment, students should always bring the University Catalog, transcripts from previous colleges attended, their CSU Dominguez Hills grade records, and their Certificate of Admission and Evaluation. For General Studies information and advisement, refer to the Advising Center located in SCC-B145 (Tel. 516-3538).

PREPARATION

High school students planning to major in art at CSU Dominguez Hills will be best prepared by taking a maximum variety of art courses offered in their school, especially in traditional studio art areas, such as drawing, painting, and 3-D studies. In addition, they should have some general exposure to the history of art. It is assumed that students will have the necessary precollegiate academic skills of reading, writing and mathematics.

Community College transfer students seeking admittance to the CSU Dominguez Hills Art Department will be best prepared by having completed the equivalent of the following CSU Dominguez Hills lower division art courses:

History of Western Art (ART 110, ART 111)
2-D Composition (ART 170)
3-D Composition (ART 171)
Drawing I (ART 179)
Painting I (ART 180)
Sculpture I (ART 190)

Although encouraged to explore other art courses, while such courses can be counted as electives, students should be aware that community college courses **do not satisfy upper division course requirements.**

CAREER POSSIBILITIES

The primary goal of the B.A. in Art is to prepare the student for further studies. Nevertheless, the skills acquired may provide students with a variety of interesting employment opportunities, some of which are listed below:

ART HISTORY

research and consultation work for theater designers and museums

positions in supervising commercial art galleries, private collections, historic homes and landmarks.

buyer/administrator for stores and businesses dealing in art works.

tour leader or guide to collections in major or smaller museums; art reference librarian.

art teacher of art history for local art centers and adult education classes.

STUDIO ART & DESIGN

self-employed work for various organizations on free-lance or commission basis.

artist-in residence/artist-in-the-schools.

art consultant, supervisor, art director/editor, court artist, political cartoonist, framer.

teacher/administrator in community arts center.

specialist for galleries, museums.

artist for government-funded special projects, poster and mural work.

advertising designer, billboard designer, cartoonist, illustrator, animator, set designer, model maker, product/package designer, toy designer, bookjacket/recordjacket designer, story illustrator, layout designer, calligrapher, industrial designer, fashion designer, furniture designer, computer artist.

CRAFTS

crafts teacher, industrial arts teacher, art therapist, occupational therapist, bookbinder, arts & crafts camp director/counselor, art teacher at parks/recreation/community center adult schools/ senior citizens centers.

NOTE: The Single Subject Waiver Program in Art, in conjunction with the necessary credential, qualifies you to teach art in elementary or secondary schools.

MAJOR REQUIREMENTS - BA

Common Core Requirements for all Art majors (15 units)

Recommended General Studies courses

One of the following courses:

ART 100. Looking at Art (3)
ART 101. Experiencing Creative Art (3)

Lower Division Requirements (12 units)

Required courses

ART 110. Introduction to Western Art I (3)
ART 111. Introduction to Western Art II (3)
ART 170. 2-D Composition (3)
ART 171. 3-D Composition (3)

Upper Division Requirements (3 units)

One of the following courses:

ART 330. Nineteenth Century Art (3)
ART 331. Modern Art (3)
ART 332. Modern Architecture (3)
ART 333. Contemporary Art (3)

ART HISTORY OPTION (42 units)

The option in Art History offers students a diversity of exposure to the styles and subjects of cultures and nations of the Western and non-Western world, from prehistoric times to the contemporary era. We offer specialized courses in areas often neglected in other universities, such as Latin America and the Southwestern United States, East Asia, and Women's Studies. Particular emphasis is placed on developing the student's ability to critically understand the ideas and imagery found within the art works of various cultures and individual artists and architects.

Our goals are:

1. To provide students with an overview of art history and introduce them to visual composition.
2. To give students a detailed introduction to the major historical periods and areas (painting, sculpture, architecture, minor arts) of art history.
3. To introduce students to research techniques and methods of critically approaching problems of subject matter and style.
4. To prepare students for entrance into a graduate program at an accredited university.

To complete the option in Art History, the following courses must be taken:

A. Completion of Common Core Requirements (15 units)

B. Upper Division Requirements (27 units)

1. Required courses
 - ART 312. Ancient Art (3)
 - ART 315. Medieval Art (3)
 - ART 325. Baroque Art (3)
2. One of the following courses:
 - ART 320. Italian Renaissance Art (3)
 - ART 321. Northern Renaissance Art (3)
3. One of the following courses:
 - ART 355. History of Design (3)
 - ART 357. History of Photography (3)
 - ART 368. Women in Art (3)
4. One of the following courses:
 - ART 337. Asian Art (3)
 - ART 362. Pre-Columbian Art (3)
 - ART 365. Black African Art (3)
5. One of the following courses:
 - ART 350. American Art (3)
 - ART 353. Art of California and the Southwest (3)
 - ART 363. Latin American Art (3)
6. ART 490. Seminar in Theories of Art Criticism (3)
7. One additional Upper Division Art-History course of your choice (3 units)

NOTES:

ART 495. Special Studies in Art History (3) may be substituted for one of the above courses, with the permission of an advisor.

ART 498. Directed Research in Art History (1-3) and two years of a foreign language are strongly recommended for pursuit of graduate work in Art History.

STUDIO ART OPTION (51 units)

The option in Studio Art offers students experience in a broad range of art disciplines, with emphasis on understanding fundamentals of art, developing their skills, and appreciating the purposes and concepts of art.

Our goals are:

1. To introduce students to a variety of art disciplines—drawing, painting, sculpture, printmaking, ceramics, and art history.
2. To help students develop their technical, formal, and conceptual skills in these areas.
3. To prepare students for the further study or practice of art.

To complete the option in Studio Art, the following courses must be taken:

A. Completion of Common Core Requirements (15 units)

B. Lower Division Requirements (9 units)

- ART 179. Drawing I (3)
- ART 180. Painting I (3)
- ART 190. Sculpture I (3)

C. Upper Division Requirements (27 units)

1. One other 300 or 400 level Art History course (3)
2. DRAWING
 - ART 371. Drawing II (3) and
 - One additional 300 or 400 level course in Drawing (3)
3. PAINTING
 - ART 380. Painting II (3) and
 - One additional 300 or 400 level course in Painting (3)
4. SCULPTURE
 - Two of the following courses: ART 389. The Human Form in Sculpture (3)
 - ART 392. Mixed Media Sculpture (3)
5. Two 300 or 400 level courses in studio art (painting, drawing, sculpture, printmaking, or ceramics) (6)

NOTES:

ART 493. Special Studies in Art (3) may be substituted for one of the above courses, with the permission of an advisor.

Students may take 300 and 400 level repeatable courses twice within the Studio Art option. Students may take such courses a third time as a general elective, but these will not count toward the major.

Before being approved for graduation, students must submit five works chosen in consultation with an advisor for the Senior Art Exhibit.

DESIGN OPTION (51 units)

The option in Design offers students the study of visual communication skills and creative design concepts. Students will experience course activities preparing them for an understanding of and participation in design practices. Emphasis is placed on the design of print media and on practical application of course content.

Our goals are:

1. To provide students with the fundamental skills required to develop sound design concepts.
2. To prepare students for further education in design.
3. To equip students for entry level position in design.
4. To introduce students to an understanding and appreciation of the professional field of Design.

To complete the option in Design, the following courses must be taken:

A. Completion of Common Core Requirements (15 units)

B. Lower Division Requirements (9 units)

- ART 179. Drawing I (3)
- ART 180. Painting I (3)
- ART 190. Sculpture I (3)

C. Upper Division Requirements (27 units)

1. Foundation Design courses (9 units)
 - ART 342. Visual Communication Skills (3)
 - ART 343. Production Techniques (3)
 - ART 344. Design Practices I (3)

2. Advanced Design courses, to be taken after courses listed under A above (12 units)

ART 445. Illustration Techniques (3)
 ART 446. Design Practices II (3)
 ART 447. Design Practices III (3)
 ART 448. Professional Practices for the Designer (3)

3. One other 300 or 400 level Art History course (ART 355. History of Design (3) is strongly recommended.)

ART 371. Drawing II (3)
 ART 373. Life Drawing I (3)
 ART 376. Intaglio I (3)
 ART 379. Lithography I (3)
 ART 380. Painting II (3)
 ART 383. Silkscreen (3)

4. Studio course (3 units); select one of the following:

NOTES:

It is strongly recommended that students take one additional upper division studio course listed under D above (3) and COM 206. Basic Photography (3).

Before being approved for graduation, students must submit five works chosen in consultation with an advisor for the Senior Art Exhibit.

The option in Design entitles the student to a certificate in Design.

MINOR REQUIREMENTS

MINOR IN ART HISTORY (15 units)

The minor in Art History offers students a background in the history of Western Art, and allows them a choice of three courses at the Upper Division level in areas that may be of particular interest to students whether in Western or non-Western Art, in any combination of traditional, Contemporary, and non-Western Art.

Students may take the minor in Art History and also major in the Studio Art or Design Options.

To complete the minor in Art History, the following courses must be taken:

Lower Division Requirements (6 units)

ART 110. Introduction to Western Art I (3)
 ART 111. Introduction to Western Art II (3)

Upper Division Requirements (9 units)

- A. One of the following courses:

ART 312. Ancient Art (3)
 ART 315. Medieval Art (3)
 ART 320. Italian Renaissance Art (3)
 ART 321. Northern Renaissance Art (3)
 ART 325. Baroque Art (3)

- B. One of the following courses:

ART 330. Nineteenth Century Art (3)
 ART 331. Modern Art (3)
 ART 332. Modern Architecture (3)
 ART 333. Contemporary Art (3)+
 ART 350. American Art (3)
 ART 355. History of Design (3)
 ART 357. History of Photography (3)
 ART 368. Women in Art (3)

- C. One of the following courses:

ART 337. Asian Art (3)
 ART 353. Art of California and the Southwest (3)
 ART 363. Latin American Art (3)
 ART 365. Black African Art (3)

NOTE: ART 495. Special Studies in Art History (3) may be substituted for one of the above courses, with the permission of an advisor.

MINOR IN COMPUTER ART (15 units)

Student may take the minor in Computer Art and major in the Art History or Studio Art options

Lower Division Requirements (6 units)

ART 170. 2-D Composition (3)
 CSC 111. Introduction to Computers and Basic Programming or equivalent course

Upper Division Requirements (9 units)

- A. ART 345. Computer Art I (3)
 ART 346. Computer Art II (3)

- B. One upper division course from the following (3 units):

ART 346. Computer Art II (3)
 ART 493. Special Studies in Art: Computer Art Topic (3)
 ART 496. Internship in Art: Computer Art Topic (3)

Recommended: COM 206. Basic Photography (3)

MINOR IN CRAFTS (15 units)

The minor in Crafts invites students to explore a variety of art materials, methods, and skills in three-dimensional disciplines.

Students may take the minor in Crafts and also major in the Art History or Design Options.

To complete the minor in Crafts, the following course must be taken:

Lower Division Requirements (3 units)

One of the following courses:

ART 150. Ceramics I (3)
 ART 171. 3-D Composition (3)
 ART 190. Sculpture I (3)

Upper Division Requirements (12 units)

Four of the following courses:

ART 301. Arts and Crafts for the Non-Major (3)
 ART 361. Ceramics II (3)
 ART 392. Mixed Media Sculpture (3)
 ART 463. Ceramics III (3)

MINOR IN DESIGN (15 units)

The minor in Design provides students with an introduction to the fundamentals of design skills and practices.

Students may take the minor in Design and also major in the Art History or Studio Options.

To complete the minor in Design, the following courses must be taken:

Lower Division Requirements (6 units)

ART 170. 2-D Composition (3)
 ART 179. Drawing I (3)

Upper Division Requirements (9 units)

One of the following groups of three courses:

- A. ART 342. Visual Communication Skills (3) and
 ART 343. Production Techniques (3) and
 ART 344. Design Practices I (3)

- B. ART 342. Visual Communication Skills (3) and
ART 343. Production Techniques (3) and
ART 445. Illustration Techniques (3)
- C. ART 342. Visual Communication Skills (3) and
ART 344. Design Practices I (3) and
ART 446. Design Practices II (3)
- D. ART 344. Design Practices I (3) and
ART 446. Design Practices II (3) and
ART 447. Design Practices III (3)

NOTE: COM 206. Basic Photography (3) is strongly recommended.

MINOR IN STUDIO ART (15 units)

The minor in Studio Art invites students to explore two- and three-dimensional studies in the Art Department.

Students may take the minor in Studio Art and also major in the Art History or Design Options.

To complete the minor in Studio Art, the following courses must be taken:

Lower Division Requirements (6 units)

A. One of the following courses:

- ART 170. 2-D Composition (3)
- ART 179. Drawing I (3)
- ART 180. Painting I (3)

B. One of the following courses:

- ART 171. 3-D Composition (3)
- ART 190. Sculpture I (3)

Upper Division Requirements (9 units)

Three 300 or 400 level Drawing, Painting, Sculpture, Printmaking, or Ceramics courses.

CERTIFICATE REQUIREMENTS

CERTIFICATE IN COMPUTER ART (21 units)

Lower Division Requirements (6 units)

Two courses from the following list:

- ART 170. 2-D Composition (3)
- ART 179. Drawing I (3)
- CSC 111. Introduction to Computers and Basic Programming (3)
- CSC 241. High Level Languages (3)

Upper Division Requirements (15 units)

A. Two courses from the following list:

- ART 342. Visual Communication Skills (3)
- ART 343. Production Techniques (3)
- ART 344. Design Practices I (3)

B. Complete the following:

- ART 345. Computer Art I (3)
- ART 346. Computer Art II (3)

C. One course from the following list:

- ART 346. Computer Art II (3) (repeatable course)
- ART 493. Special Studies in Art: Computer Art Topic (3)
- ART 496. Internship in Art: Computer Art Topic (3)

CERTIFICATE IN DESIGN (21 units)

Lower Division Requirements (6 units)

- ART 170. 2-D Composition (3)
- ART 179. Drawing I (3)

Upper Division Requirements (15 units)

- ART 342. Visual Communication Skills (3)
- ART 343. Production Techniques (3)
- ART 344. Design Practices I (3)
- ART 446. Design Practices II (3)
- ART 447. Design Practices III (3)

RECOMMENDED: COM 206. Basic Photography (3)

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM IN ART (51 units)

Although this program is not a major, the courses may be used to meet the requirements of the major or minor. Students must take a minor outside the department.

Lower Division Requirements (27 units)

- ART 110. Introduction to Western Art I (3)
- ART 111. Introduction to Western Art II (3)
- ART 150. Ceramics I (3)
- ART 165. Printmaking I (3)
- ART 170. 2-D Composition (3)
- ART 171. 3-D Composition (3)
- ART 179. Drawing I (3)
- ART 180. Painting I (3)
- ART 190. Sculpture I (3)

Upper Division Requirements (24 units)

- A. ART 350. American Art (3)
- B. One upper division Art History course of your choice (3 units)
- C. ART 371. Drawing II (3)
ART 380. Painting II (3)
- D. One of the following courses:
- ART 373. Life Drawing I (3)
 - ART 472. Drawing III (3)
 - ART 474. Life Drawing II (3)
- E. One of the following courses:
- ART 384. Painting III (3)
 - ART 486. Painting IV (3)
- F. One of the following courses:
- ART 389. The Human Figure in Sculpture (3)
 - ART 392. Mixed Media Sculpture (3)
- G. One of the following courses:
- ART 342. Visual Communication Skills (3)
 - ART 361. Ceramics II (3)
 - ART 376. Intaglio I (3)
 - ART 379. Lithography I (3)
 - ART 383. Silkscreen (3)

COURSE OFFERINGS IN ART

Lower Division

ART 100 LOOKING AT ART (3). Learning to perceive art through discussion of selected historical periods, development of a descriptive vocabulary, and observation of actual works of art. Introduction to theories of interpretation and evaluation. Three hours of lecture per week.

ART 101 EXPERIENCING CREATIVE ART (3). Learning modes of artistic expression through discussion of theories of composition, examination of the lives and goals of selected artists and art movements, and creation of individual and group art projects. Discussion of projects to develop skills in art criticism. Three hours of lecture per week.

ART 110 INTRODUCTION TO WESTERN ART I (3). 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. Three hours of lecture per week.

ART 111 INTRODUCTION TO WESTERN ART II (3). *Prerequisite:* ART 110 is recommended. 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. Three hours of lecture per week.

ART 140 THE ART SAMPLER (3). Introductory projects for the novice selected from the Drawing, Painting, Printmaking, Sculpture, and Ceramics areas. Only inexpensive materials (charcoal, pastels, clay, etc.) are used. No "talent" is required. CR/NC grading. Six hours of activity per week.

ART 150 CERAMICS I (3). History of and introduction to ceramics design problems with ceramic materials emphasizing hand forming. Familiarization with low and high firing techniques. Six hours of activity per week. Fee required.

ART 165 PRINTMAKING I (3). Printmaking processes, including relief and intaglio methods. Six hours of activity per week. Fee required.

ART 170 2-D COMPOSITION (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 activity per week.

ART 171 3-D COMPOSITION (3). Principles of design as they relate to the three-dimensional elements (line, plane, volume, color) and their composition in space. Six hours of activity per week.

ART 179 DRAWING I (3). A foundation course in drawing, oriented to understanding and use of various systems of graphic representation. Six hours of activity per week.

ART 180 PAINTING I (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 activity per week.

ART 190 SCULPTURE I (3). Basic theory and methods of creating sculptural form by additive processes. Emphasis on clay modeling and waste-mold casting. Six hours of activity per week. Fee required.

Upper Division

ART 301 ARTS AND CRAFTS FOR THE NON-MAJOR (3). Development, experience, and application of arts and crafts projects of special value to Liberal Studies and Recreation majors. Six hours of activity per week.

ART 310 ART AND WORLD CULTURE (3). *Prerequisites:* ART 100, or ART 110, or ART 111 is recommended. Values of various cultures as manifested in their art and architecture. Influences of non-Western ideas and imagery on modern art and architecture. Three hours of lecture per week.

ART 312 ANCIENT ART (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. The painting, sculpture, architecture and minor arts of Egypt and the Near East, Greece, and Rome, from the beginnings of civilization to 315 A.D. Three hours of lecture per week.

ART 315 MEDIEVAL ART (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. The painting, sculpture, architecture, and minor arts of Europe and the Near East from the founding of Constantinople to about 1400. Three hours of lecture per week.

ART 320 ITALIAN RENAISSANCE ART (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. The painting, sculpture, and architecture of Italy from the late thirteenth century through the sixteenth century. Three hours of lecture.

ART 321 NORTHERN RENAISSANCE ART (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. The painting, sculpture and architecture of Northern Europe in the fifteenth and sixteenth centuries. Three hours of lecture.

ART 325 BAROQUE ART (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. The painting, sculpture, and architecture of Western Europe and Latin America in the seventeenth and eighteenth centuries. Three hours of lecture.

ART 330 NINETEENTH CENTURY ART (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. The painting, sculpture, and architecture of Europe in the nineteenth century. Three hours of lecture per week.

ART 331 MODERN ART (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. Twentieth-century painting, sculpture, and architecture as a reflection of modern thought. Three hours of lecture per week.

ART 332 MODERN ARCHITECTURE (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. History of the technological and stylistic developments in the architecture of the nineteenth and twentieth centuries. Three hours of lecture.

ART 333 CONTEMPORARY ART (3). *Prerequisites:* ART 110, ART 111, ART 331 are required; ART 101 and ART 101 are recommended. Contemporary forms of painting, sculpture, architecture, prints and crafts explored in historical context, giving special attention to the role of critics and criticism, museums and galleries, and to the emergence of art as an investment commodity. Three hours of lecture per week.

ART 337 ASIAN ART (3). *Prerequisites:* ART 110 and ART 111 are required; ART 100 and 101 are recommended. A study of the visual arts of China, Korea, and Japan. Three hours of lecture per week.

ART 342 VISUAL COMMUNICATION SKILLS (3). *Prerequisite:* ART 179. Drawing skills in perspective and visual communication applied to the development of design ideas. Layout, product, and packaging proposals. Media emphasized are marker, pastel, and prismacolor pencil. Six hours of activity per week. Fee required.

ART 343 PRODUCTION TECHNIQUES (3). *Prerequisite:* ART 170. A design 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 activity per week. Fee required.

ART 344 DESIGN PRACTICES I (3). *Prerequisite:* ART 170. An introduction to the fundamental skills, terms and processes used in designing print media. Emphasis on creating and understanding effective designs for a variety of media including newspapers, magazines, direct mail, outdoor ads, and electronic media. Six hours of activity per week. Fee required.

ART 345 COMPUTER ART I (3). *Prerequisite:* CSC 111 is recommended. Introduction to computer graphics and other electronic images. Course activity will include work with micro and mini-computer graphic capabilities plus work with available graphic software programs. Six hours of activity per week. Fee required.

ART 346 COMPUTER ART II (3). * Prerequisite: ART 345. A continuation of ART 345 with emphasis on advanced use of computer graphic capability, including animation, game graphics, integration with audio, and use of video. Course activities will include individual and team projects, and field trips. Six hours of activity per week. Fee required.

ART 350 AMERICAN ART (3). Prerequisites: ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. A study of the ways in which American artists and architects have reacted to, been influenced by, and initiated important world trends in the arts. Three hours of lecture per week.

ART 353 ART OF CALIFORNIA AND THE SOUTHWEST (3). Prerequisites: ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. The art and architecture of California, Arizona, New Mexico, and Texas from prehistoric to recent times. Emphasis on the nature of regional variations related to broader art historical movements. Three hours of lecture per week.

ART 355 HISTORY OF DESIGN (3). Prerequisites: ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. A study of modern design from the initial theories of William Morris and the Arts and Crafts Movement, the Werkbund, and the Bauhaus to the post-war advertising agencies of Madison Avenue and the work of individual contemporary designers. Three hours of lecture.

ART 357 HISTORY OF PHOTOGRAPHY (3). Prerequisites: ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. History of photography from Daguerre to contemporary artists. Analysis of both the aesthetics and techniques of black and white and color photography. Three hours of lecture per week.

ART 361 CERAMICS II (3). Prerequisite: ART 150. Emphasis on wheel-throwing techniques. Investigation of clay and glaze compounds. Study of firing techniques for surface enrichment. Six hours of activity per week. Fee required.

ART 363 LATIN AMERICAN ART (3). Prerequisites: ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. A study of the visual arts of Pre-Columbian, Colonial and Modern times in various Latin American countries. Three hours of lecture per week.

ART 365 BLACK AFRICAN ART (3). Prerequisites: ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. A study of the civilization and culture of Black Africa through examination of its art and architecture. Three hours of lecture per week.

ART 368 WOMEN IN ART (3). Prerequisites: ART 110 and ART 111 are required; ART 100 and ART 101 are recommended. A study of women as artists from the medieval period to the present with special emphasis given to women artists of the twentieth. Three hours of lecture per week.

ART 371 DRAWING II (3). Prerequisite: ART 179. Development of skill in graphic representation, stressing an understanding of pictorial space and organization. Problems of technique and media. Six hours of activity per week.

ART 373 LIFE DRAWING I (3). Prerequisite: ART 179. Development of the graphic representation of the human form. Live models used to introduce problems of form, structure, and anatomy. Six hours of activity per week.

ART 376 INTAGLIO I (3). Prerequisite: ART 179 is recommended. A foundation course in intaglio printmaking, introducing the processes of aquatint, soft ground, and hard ground etching. Six hours of activity per week. Fee required.

ART 379 LITHOGRAPHY I (3). Prerequisite: ART 179 is recommended. An introduction to the basic techniques of lithographic print-making processes. Six hours of activity per week. Fee required.

ART 380 PAINTING II (3). Prerequisites: ART 170 and ART 180. Problems in the creative use of the materials of painting. Emphasis on visual concepts, interpretation, and expression. Six hours of activity per week.

ART 383 SILKSCREEN (3). * An introduction to basic stencil printmaking processes. Six hours of activity per week. Fee required.

ART 384 PAINTING III (3). Prerequisite: ART 380 is required. Development of a more comprehensive understanding of materials and methods as they related to current concepts of painting. Six hours of activity per week.

ART 389 THE HUMAN FORM IN SCULPTURE (3). * Prerequisite: ART 190 or ART 373. Structural and symbolic interpretation of human form from a live model. Anatomy as it relates to sculptural expression. Six hours of activity per week. Fee required.

ART 392 MIXED MEDIA SCULPTURE (3). Prerequisite: ART 171 or 190. Experiments in contemporary sculpture using found objects and other readily available materials. Introduction to wood and metal fabricating. Six hours of activity per week. Fee required.

ART 445 ILLUSTRATION TECHNIQUES (3). Prerequisite: ART 342. Drawing and rendering techniques applied to illustrative graphics. Includes a variety of media such as ink, gouache, colored pencil, and felt-tip markers. Six hours of activity per week. Fee required.

ART 446 DESIGN PRACTICES II (3). Prerequisite: ART 344 is required; ART 342 and ART 343 are recommended. A continuation of ART 344, emphasizing the creative application of design skills. Course activities are oriented to working with typography, logos, advertising design and electronic media, plus research and presentation techniques. Six hours of activity per week. Fee required.

ART 447 DESIGN PRACTICES III (3). Prerequisites: ART 344 and ART 446 are required; ART 445 is recommended. An advanced study of creative design practices applied to three-dimensional products. Course activities include the design of packaging, point of purchase displays, and exhibits. Inclusion of project, research and presentation techniques. Six hours of activity per week. Fee required.

ART 448 PROFESSIONAL PRACTICES FOR THE DESIGNER (3). Prerequisite: ART 447 and senior standing. A capstone study of the application of design practices in the professional environment, and the establishment of professional design standards. Course activities include creative work on "real" design projects, field trips, and work on individual student portfolios. Six hours of activity per week. Fee required.

ART 463 CERAMICS III (3). * Prerequisite: ART 361. Advanced problems in techniques and aesthetic development in all aspects of the process of ceramics. Six hours of activity per week. Fee required.

ART 472 DRAWING III (3). Prerequisite: ART 371. Advanced studies in graphic representation, with special emphasis on aesthetic development, experimentation, and individual problem-solving. Six hours of activity per week.

ART 474 LIFE DRAWING II (3). * Prerequisite: ART 373. 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 activity per week.

ART 478 INTAGLIO II (3). * Prerequisite: ART 376. Special projects in selected aspects of intaglio printmaking. Six hours of activity per week. Fee required.

ART 482 LITHOGRAPHY II (3). * Prerequisite: ART 379. Special projects in selected aspects of lithographic printmaking. Six hours of activity per week. Fee required.

ART 486 PAINTING IV (3).* *Prerequisite: ART 384.* Advanced study emphasizing aesthetic development, personal imagery, and individual critical awareness. Self-initiated studio problems. Six hours of activity per week.

ART 490 SEMINAR IN THEORIES OF ART CRITICISM (3). *Prerequisites: Senior standing as an Art major or minor; consent of instructor and department chair. ART 110 and ART 111 are required; ART 100 and ART 101 are recommended.* Various approaches to art criticism throughout the centuries with particular emphasis on contemporary problems of criticism. Three hours of seminar per week.

ART 493 SPECIAL STUDIES IN ART (3).* Detailed study of material, method, concept, or period of Art. Six hours of activity per week.

ART 494 INDEPENDENT STUDY IN ART (1-3).* *Prerequisite: Senior standing as an Art major or minor is required; consent of instructor and department chair are recommended.* ART 494 may not be substituted for a required course in the major or minor without prior consent of instructor and adviser. An art project undertaken with the advice and supervision of a Studio or Design Art faculty member.

ART 495 SPECIAL STUDIES IN ART HISTORY (3).* *Prerequisite: ART 110 and ART 111 are required; ART 100 and ART 101 are recommended.* Detailed study of a period, area, figure or movement in the history of art. Three hours of lecture per week.

ART 496 INTERNSHIP IN ART (1-3).* *Prerequisites: Upper Division standing and consent of instructor.* Supervised on- or off-campus art related work in selected museums, galleries, art and slide libraries, studios or commercial firms. Practical application of knowledge to such areas as exhibition, conservation, cataloging, and Art History, Studio or Design activity. Term paper required.

ART 498 DIRECTED RESEARCH IN ART HISTORY (1-3).* *Prerequisite: Senior standing as an Art major or minor is required; consent of instructor and department chair are recommended.* Preparation of a research paper on a selected topic in the History of Art.

ARTS ADMINISTRATION

MASTER OF ARTS

FACULTY

Dolo Brooking, Program Director

Program Committee

Barbara Chrispin (Management), Howard Holter (History), Peter Rodney (Theatre Arts), Foraker Smith (Public Administration), Frances Steiner (Music)

HFA A-338A, (213) 516-3636

PROGRAM DESCRIPTION

The master of arts in Arts Administration is designed to develop students' managerial capabilities and leadership skills and to address issues affecting arts organizations in contemporary society. The emerging new cultural majorities and the development and education of new audiences for the arts are of particular concern to the program.

Courses address concerns relevant to the management of contemporary arts organizations including planning and budgeting, public relations and marketing, public policy and the arts, fund raising and development, financial management, legal issues, the use of technologies, audience development and education.

FEATURES

The program concentrates on management and administration of multi-cultural centers, community and state supported organizations, and visual and performing arts organizations, focused through both theoretical and practical learning. Emphasis is placed on the implementation of problem solving and decision making strategies including their impact on the development of aesthetic sensibilities and community cohesiveness.

The program provides future arts administrators with opportunities to develop the interpersonal skills necessary to work successfully with a variety of constituencies, including artists, multi-cultural groups, boards of directors, volunteers, the media, governmental agencies, and individuals and organizations representing the community.

Professional Development

The program is designed to foster the professional growth of the future arts administrator. Opportunities are provided for:

- developing hands-on, problem-solving projects
- participating in administrative service internships
- working on community study projects
- meeting with professionals in the field through conferences, field trips and guest lectures
- receiving career counseling and placement assistance

PREPARATION

To be admitted to graduate studies in arts administration, a student must have:

- A) A bachelor's degree from an accredited college or university.
- B) A 3.0 grade point average, calculated on the last 60 semester units on a four-point scale.
- C) A minimum of twelve (12) upper division semester units each in the arts and business. (Exemption from some course work is possible if recent appropriate experience can be verified.)
- D) A detailed personal interview with the director.
- E) Two (2) letters of recommendation that comment on the candidate's leadership potential and communication skills.
- F) Demonstration of proficiency in writing and critical thinking skills.

Two years administrative work experience is recommended.



MAJOR REQUIREMENTS - MA

Admission Requirements

To the University:

The applicant must apply for admission to graduate standing at CSU Dominguez Hills, submitting transcripts of all previous college level work. See the Graduate Admissions section of the catalog for the procedure. Admission to the University does not imply admission to the Arts Administration Program.

To the Program:

Students should contact the program office (HFA A-338) for an application.

In addition to an undergraduate degree and a 3.0 grade point average, the student should be able to demonstrate a commitment to the arts either through undergraduate study in the arts or arts-related field or through volunteer work or employment in the arts. The two letters of reference should address listening, speaking and writing skills as well as leadership potential. An interview is required; for those who live at a distance from the University, a telephone interview will suffice. Candidates, however, are encouraged to visit the campus and consult personally with the program director.

Knowledge of more than one art form and work experience in a management capacity are both highly recommended. In applying to the program, potential students are invited to submit essays that address their career history and goals. A research paper or publication or an essay on a topic of choice will be required to demonstrate critical thinking skills and writing ability.

Prerequisites to matriculation are twelve (12) units in business addressing areas critical to arts management. These twelve units should include financial management such as basic accounting and financial strategies in planning, budgeting and accounting; group behavior and organizational design; and computer applications or management information systems.

The following business courses or their equivalents are particularly appropriate in fulfilling these requirements: ACC 230, Financial Accounting or PUB 302, Administration of Financial Resources; MKT 454, Marketing Research or CIS 571, Introduction to Information Systems; MGT 312, Organizational Behavior. Some or all of these prerequisites may be waived if appropriate experience can be demonstrated.

The Graduate Writing Competency requirement should be completed prior to admission to the program.

Students who fulfill all of the requirements will be admitted as classified graduate students. Students who are deficient in some areas may be admitted as conditionally classified graduate students and will be expected to make up the deficiencies before being classified.

Advancement to Candidacy

To advance to candidacy, the students must submit an application requesting candidacy status, and complete all course work with the exception of AAD 590, Seminar in Arts Administration, and AAD 596, Residency in Arts Administration. The candidate also must have retained at least a 3.0 grade point average and pass an oral examination before admission to AAD 596.

DEGREE REQUIREMENTS (31-33 units total)

Required Courses (25 units)

- PUB 500. Environment & Practice of Public Administration (4)
- AAD 501. Introduction to Arts Administration (3)
- AAD 510. Performing Arts Administration (3)

- AAD 511. Visual Arts Administration (3)
- AAD 513. Marketing the Arts: A Non-Profit Perspective (3)
- AAD 550. The Art of Fundraising and Development (3)
- AAD 590. Seminar in Arts Administration (3)
- AAD 596. Residency in Arts Administration (3) or
- AAD 599. Thesis (3)

Elective Courses (6-8 units)

Select two additional courses from among the following:

- AAD 525. Cultural Democracy: The Arts, Community Development and Education (3)
- AAD 595. Special Topics in Arts Administration (3)
- PHI 494. Independent Study: Aesthetics (3)
- COM 467. Public Relations Publicity Workshop (3)
- PUB 502. Organization Theory and Behavior (4)
- PUB 510. Seminar: Public Financial Management (4)

Other electives may be selected with the permission of the program director.

Capstone Activity

The student is required to satisfactorily complete a comprehensive written examination.

COURSE OFFERINGS IN ARTS ADMINISTRATION

Graduate

Graduate standing or consent of the program director is prerequisite to enrollment in graduate (500 level) courses.

AAD 501 INTRODUCTION TO ARTS ADMINISTRATION (3).

An introduction to the principles and practices governing the management of arts organizations. Issues include legal aspects of non-profit organizations, boards of directors, employment practices, volunteers, needs assessments and program evaluation. Problem-solving and decision-making strategies are linked to a consulting document or a ten hour per week internship with a local arts organization.

AAD 510 PERFORMING ARTS ADMINISTRATION (3). Prerequisite: AAD 501.

Examination of the structure, organizational responsibilities and public issues affecting the administration of theatre, music, and dance organizations. As part of this course, a consulting document or a ten hour per week internship with a local arts organization is required.

AAD 511 VISUAL ARTS ADMINISTRATION (3). Prerequisite: AAD 501.

Introduction to the management of visual arts, multi-cultural, and multi-arts organizations. Examines the organizational, economic, and cultural dynamics observed in the programs and management of visual arts organizations. As part of this course, a consulting document or a ten hour per week internship with a local arts organization is required.

AAD 513 MARKETING THE ARTS: A NON-PROFIT PERSPECTIVE (3).

Concepts and strategies for the development of successful marketing plans are explored and tested. Students execute a marketing plan as a community service project for an arts organization. Three hours of lecture/discussion per week.

AAD 525 CULTURAL DEMOCRACY: THE ARTS, COMMUNITY DEVELOPMENT AND EDUCATION (3).

Examination of the arts of the people and the community including folk traditions, community-based initiatives, decentralized arts organizations, and multi-cultural traditions. Three hours of lecture/discussion per week.

AAD 550 THE ART OF FUNDRAISING AND DEVELOPMENT (3).

Fundamentals, principles and skills in proposal writing for foundations and public agencies, single event fundraising, annual and deferred giving, membership and subscription campaigns for arts and other non-profit organizations for which students develop a community service project. Three hours of lecture/discussion per week.

AAD 590 SEMINAR IN ARTS ADMINISTRATION (3). Examination of special problems in arts administration. Studies include the effect of public policy, tax structures, innovative technologies, leisure habits, changing ethnographic and demographic factors, and economic expenditures on the future of the arts. Students develop a major research paper. Three hours of seminar per week.

AAD 594 INDEPENDENT STUDY (1-3)* Investigation of a research problem or directed readings on the analysis of a problem in a selected area of arts administration.

AAD 595 SPECIAL TOPICS IN ARTS ADMINISTRATION (3). An intensive study of a contemporary issue affecting arts administration, such as Public Policy: The Arts, Community Development and Education; and Financial Management of the Arts: Strategies for Planning, Budgeting and Accounting. Courses generally will include a community service project. Three hours of lecture/discussion per week.

AAD 596 RESIDENCY IN ARTS ADMINISTRATION (3)* *Prerequisite: Advancement to candidacy.* A supervised program in which participants gain additional experience in the management of an arts institution. Objectives and evaluations are determined by the program director, the student and the on-site supervisor. A report on the residency is required as part of the capstone activity.

AAD 599 THESIS (3). *Prerequisite: Current full-time employment as an arts administrator or permission of program director.*

AAD 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program director required.

AAD 600 GRADUATE CONTINUATION COURSE (0). *Prerequisite: Signature of graduate program director.* Graduate students who have completed their coursework but not their thesis, project or comprehensive examination or have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course.



ASIAN STUDIES

MINOR

FACULTY

Members of the Asian Studies Committee

Linda Pomerantz, Program Coordinator

Donald Teruo Hata, George Heneghan, Naomi O. Moy, Doris Okada, Eiichi Shimomisse, George C. Wang, Agnes A. Yamada, Kosaku Yoshida

SBS D-306, (213) 516-3448

PROGRAM DESCRIPTION

The Asian Studies program offers an interdisciplinary minor in the study of Asian civilizations. The program is designed to provide an understanding of social, political and cultural patterns of Asia through courses in Asian history, politics, art, literature, language and philosophy. Students are encouraged to deepen their knowledge of Asian cultures and societies through language study, particularly in preparation for graduate work and for career enhancement.

The minor is designed for students seeking to either complement their studies of other civilizations, or to pursue graduate study, travel, foreign service or international business enterprises.

FEATURES

The University is located in a unique area at the crossroads to the international ports of Los Angeles and Long Beach. We are surrounded by corporations that represent the increasing importance of America's trans-Pacific relations. The economic future and growth of the area will be influenced significantly by the knowledge and skills we develop to enable us to continue to cooperate with the nations of the Pacific Basin. Asian Studies provides the interdisciplinary perspective needed as a foundation for that understanding.

The California State University International Programs makes available to students, who would like to have first hand knowledge of Asia, an opportunity to study at Waseda University (Japan) and National Chengchi University (Republic of China/Taiwan). Advisors will help the student plan their study so that they will fulfill requirements for an Asian Studies minor.

ACADEMIC ADVISEMENT

Students are encouraged to select an advisor from members of the Asian Studies Committee. If interested in a specific subject discipline within Asian Studies, the student may want to select an advisor who teaches in that subject area. A student should contact the program office for assistance in selecting an advisor.

Students should see an advisor upon first entering CSU Dominguez Hills, at the beginning of your junior year and at the beginning of your senior year.

CAREER OPPORTUNITIES

In a world that is increasingly dependent upon international cooperation and trade, the career opportunities for those with a background in Asian Studies are numerous and varied. The dramatic expansion of the Pacific trade has opened up the job market in companies in the United States and abroad. Many governmental agencies have foreign affairs and international divisions. Students also may want to consider the military, Peace Corps or Foreign Service.

Multilingual skills can be a bonus on the resume for teachers, doctors, lawyers, social workers, nurses, engineers and other professionals. Journalists, radio and broadcast personnel, translators and writers are needed in the area of international communications.

PREPARATION

Community college transfer students are encouraged to begin their language study.

MINOR REQUIREMENTS (15 units)**Lower Division Requirements (6 units)**

ASN 101. Introduction to Asian Studies (3)
Three units in the Japanese language

Upper Division Requirements (9 units)

Nine units selected from the upper division offerings below from at least two different departments.

ENG 438. Literature of China and Japan (3)+
HIS 362. Traditional China (3)
HIS 363. Modern China (3)
HIS 364. Traditional Japan (3)
HIS 365. Modern Japan (3)
HIS 381. Across the Pacific: Asian and Pacific Peoples and the Americas (3)
JPN 350. Special Topics in Japanese (3)
PHI 384. Eastern Philosophy (3)
POL 333. Asian International Relations (3)
POL 341. Government and Politics of East Asia (3)

COURSE OFFERINGS IN ASIAN STUDIES**Lower Division**

ASN 101 INTRODUCTION TO ASIAN STUDIES (3). Basic themes and key issues in East and Southeast Asia. Multi-disciplinary approach to art, literature, philosophy, religion as well as political and social issues to provide a basic understanding of Asian culture. Three hours of lecture per week.



BEHAVIORAL SCIENCES

BACHELOR OF ARTS

MINOR

FACULTY

Fred Shima, Program Coordinator

Linda Groff, Don Laws, Ed Weil

Barbara Hazelleaf, Program Secretary
SBS A-336, (213) 516-3641

PROGRAM DESCRIPTION

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, political and social factors that influence such behavior. The program stresses the mastery of key behavioral science concepts; exposure to significant behavioral science theories drawn from psychology, sociology and anthropology; and the development and utilization of rigorous investigation, observation and research skills common to the behavioral sciences. The program provides practical knowledge and skills with enduring career applicability.

FEATURES

Majors and minors will have exposure to a multi-disciplinary approach to the behavioral sciences. Unlike most programs in which students learn about a single discipline, the Behavioral Sciences program provides a broad range of approaches from anthropology, political science, psychology and sociology.

ACADEMIC ADVISEMENT

Students are encouraged to contact the Department of Behavioral Sciences for information and for advising. The behavioral sciences faculty who come from anthropology, political science, psychology and sociology are available for academic advisement; they would be pleased to discuss the program with interested students.

PREPARATION

Completion of the General Studies lower-division requirements is recommended. Introductory level courses in one or more of the disciplines contributing to behavioral sciences would be helpful.

CAREER POSSIBILITIES

Completion of the strong and diversified Behavioral Sciences program will enhance the student's chances for employment in the various helping professions, government and industry. Positions in communication, recreation, gerontology and health sciences would be likely options for behavioral sciences students. Moreover, the application of behavioral science knowledge and training would be beneficial in the solution of critical social and business problems.

MAJOR REQUIREMENTS - BA (27 units)

Lower Division Requirements (3 units)

Select one course from the following:

- MAT 131. Elementary Statistics and Probability (3)
- PSY 230. Elementary Statistical Analysis in Psychology (3)
- SOC 220. Analytical Statistics for Sociology (4)

Upper Division Requirements (24 units)

A. Required courses (9 units) Courses on modern theories or systems and their historical origin in the core areas of the behavioral sciences — anthropology, psychology, and sociology.

- ANT 388. Anthropological Theories of Behavior (3)
 PSY 305. History and Systems of Psychology (3)
 SOC 355. Modern Sociological Theories (3)

B. Two additional courses, one each in two of the three core areas of the behavioral sciences, selected from the following list. Students with a minor in anthropology, psychology, or sociology are to select courses outside their minor.

- ANT 310. Culture and Personality:
 Psychological Anthropology (3)
 ANT 312. Language and Culture (3)
 ANT 335. Comparative Cultures (3)
 ANT 355. Culture and Ecology (3)
 ANT 362. Primate Social Behavior (3)
 PSY 312. Theories of Learning (3)
 PSY 340. Social Psychology: Psychological Perspective (3)
 PSY 350. Developmental Psychology (3)
 PSY 360. Theories of Personality (3)
 PSY 363. The Abnormal Personality (3)
 SOC 311. Social Organization (3)
 SOC 340. Social Psychology: Sociological Perspective (3)
 SOC 365. Deviant Behavior (3)

C. Select one course from the following:

- POL 336. Theories of International Relations (3)
 POL 370. Public Opinion and Propaganda (3)
 POL 371. Conflict, Violence and Non-violence (3)

D. Select one course from the following:

- BIO 370. Biological Bases of Human Behavior (3)
 SOC 304. Computer Applications in the
 Social Sciences (3)+

E. BEH 490. Seminar in Behavioral Sciences (3)

MINOR REQUIREMENTS (15 units)**Upper Division Requirements**

A. Select four courses from the following list. One course in each of the core disciplines of the behavioral sciences: anthropology, political science, psychology and sociology. However, students with a major in anthropology, political science, psychology or sociology are to select the four courses from the disciplines other than their major.

- ANT 310. Culture and Personality: Psychological Anthropology (3)
 ANT 312. Language and Culture (3)
 ANT 335. Comparative Cultures (3)
 ANT 355. Culture and Ecology (3)
 ANT 362. Primate Social Behavior (3)
 ANT 388. Anthropological Theories of Behavior (3)
 POL 336. Theories of International Relations (3)
 POL 370. Public Opinion and Propaganda (3)
 POL 371. Conflict, Violence and Non-violence (3)
 PSY 305. History and Systems of Psychology (3)
 PSY 312. Theories of Learning (3)
 PSY 340. Social Psychology: Psychological Perspective (3)
 PSY 350. Developmental Psychology (3)
 PSY 360. Theories of Personality (3)
 PSY 363. The Abnormal Personality (3)
 SOC 311. Social Organization (3)
 SOC 340. Social Psychology: Sociological Perspective (3)
 SOC 355. Modern Sociological Theories (3)
 SOC 365. Deviant Behavior (3)

B. BEH 490. Seminar in Behavioral Sciences (3)+

**COURSE OFFERINGS
IN BEHAVIORAL SCIENCE****Upper Division**

See following section for graduate courses

BEH 490 SEMINAR IN BEHAVIORAL SCIENCES (3). *Prerequisite:* Senior standing and consent of instructor. A seminar designed to integrate previous course work by approaching selected problems from the perspective of the various behavioral sciences. Preparation of seminar paper. Three hours of seminar per week.



BEHAVIORAL SCIENCE GRADUATE PROGRAM

MASTER OF ARTS

Applied Option

Gerontology Option

Negotiation and Conflict Resolution Option

CERTIFICATE

Negotiation and Conflict Resolution

FACULTY

Edward Weil, Acting Coordinator of Applied Option and Negotiation and Conflict Resolution Option

Sharon Raphael, Coordinator of Gerontology Option

David Churchman, David Nasatir

Program Office
SBS G-322 (213) 516-3435

PROGRAM DESCRIPTION

The Program in Behavioral Science is highly flexible and interdisciplinary. It permits selection of courses from many departments to meet the needs of beginning and mid-career professionals in a wide variety of organizations, and those interested in a career change. Students may choose among a graduate certificate or three options leading to a master of arts degree.

The Applied Option offers courses on evaluation and research design that will be of interest to evaluators in fields such as education and health care. It offers courses on organizational design and administration that will be of interest to administrators in government and non-governmental corporations.

The Gerontology Option offers a foundation in theories, research, and practice necessary for those seeking to become professional gerontologists. Courses on long term care, death and dying, and community services will be of interest to direct care providers and counselors. Courses on social policy and economics of aging will be of interest to program administrators and lobbyists. And retirement planning will be of interest to anyone who is getting older.

The Negotiation and Conflict Resolution Option offers a comprehensive study of techniques, theory and research pertaining to conflict resolution at three levels. Family and neighborhood conflict will be of greatest interest to counselors, police and court personnel. Organizational conflict will be of greatest interest to labor and management professionals. And intercultural conflict will be of greatest interest to anyone interested in diplomacy, war and peace, or international trade.

The Negotiation and Conflict Certificate is designed for individuals interested in developing practical conflict reduction skills, but who do not require the theoretical or research emphasis of the Option described above.

Courses are scheduled evenings and weekends to accommodate the needs of working adults. Full-time students may be able to complete the course work for the degree in two semesters.

MAJOR REQUIREMENTS - MA

Admission

Applicants for all options and the certificate must submit the standard university admission application form. Applicants must possess a bachelor's degree from an accredited college or university with a GPA of 3.0 (four points scale) or higher in the last 60 semester units (90 quarter units). NEITHER The Graduate Record Exam (GRE) NOR letters of recommendation are required.

Successful applicants are required by the university to demonstrate competence in written English by the end of their first year in the program either by obtaining a score of eight (8) on the Graduation Writing Exam or by a grade of "B" in one of the undergraduate certifying courses offered by the university. Successful applicants are encouraged to meet with the program coordinator and faculty at the commencement of study.

Units

All options require completion of 30-33 semester units with a GPA of 3.0 (four point scale) or better within five years of admission.

Project, Thesis, Comprehensive Examination

A final project is required of students in all options. In Gerontology students may choose a thesis or project. In the Applied and Negotiation and Conflict Resolution options, students may choose among a thesis, project or comprehensive examination. The project can be completed as BEH 509.

A thesis or project is carried out under the supervision of a committee of three full-time university faculty members chaired by a member of the Behavioral Science Graduate Program. The comprehensive examination consists of a take-home problem completed during a two-week period each term and announced during the registration period by posting dates on the program's bulletin board. The procedures for each are explained in a document available from the department secretary.

Application for Graduation

Students must complete a Graduate Application and Program Approval form according to the deadlines given in this catalog under "Application for Graduation—Graduate."

Degree Requirements

APPLIED OPTION (30 units)

1. Required courses (13 units)
 - BEH 500. Proseminar in Behavioral Science (1)
 - BEH 501. Research and Design Execution (4)
 - BEH 505. Computer Applications in Behavioral Science (4)
 - BEH 512. Seminar: Organizational Administration (4)
2. At least 13 additional units selected from 500 level courses with a BEH designation including no more than 3 units of BEH 599 if a thesis or project is undertaken.
3. Up to 4 additional elective units selected from courses in other departments, or transferred from other accredited universities, with the approval of the option coordinator.
4. Successful completion of one of the following (0-4 units):
 - BEH 509. Applied Behavioral Science Research (4)
 - BEH 599. Thesis or Project in the Behavioral Sciences (1-3)
 - Comprehensive Examination

GERONTOLOGY OPTION (31 units)

1. Required courses (22 units):
 - BEH 500. Proseminar in Behavioral Science (1)
 - BEH 501. Research Design and Execution (4)
 - BEH 505. Computer Applications in Behavioral Science (4)
 - BEH 512. Seminar: Organizational Administration (4)

BEH 550. Seminar in Theories of Gerontology (3)
BEH 569. Internship in Gerontology (3,3)

2. Electives. Three courses selected from the following including no more than one 300 or 400 level course.
 - BEH 555. Seminar: Social Policy and the Economics of Aging (3)
 - BEH 558. Seminar: Life Options and Retirement Planning (3)
 - BEH 563. Seminar: Community Services for the Elderly (3)
 - BEH 567. Death and Dying: Perspectives from the Behavioral Sciences (3)
 - BIO 386. Human Aging (3)
 - PSY 454. Life-Span Issues in Counseling (3)
 - REC 334. Leisure Education and Gerontology (3)
 - SOC 529. Seminar in Social Gerontology (3)
 - SOC 561. Seminar in Aging: Minorities and Special Groups (3)
 - SOC 595. Special Topics in Sociology: The Older Woman (3)+
 - SOC 595. Special Topics in Sociology: Lesbian/Gay Aging (3)+
3. Completion of a thesis or project

NEGOTIATION AND CONFLICT RESOLUTION OPTION (31-33 units)

1. Required courses (19 units)
 - BEH 500. Proseminar in Behavioral Science (1)
 - BEH 501. Research Design and Execution (4)
 - BEH 505. Computer Applications in Behavioral Science (4)
 - BEH 521. Theories of Conflict and Conflict Resolution (3)
 - BEH 522. Negotiation Tactics (4)
 - BEH 539. Internship in Conflict Resolution (3)
2. A minimum of three courses selected from ONE of the three following areas. When BEH 595, Seminar: Special Topics in Behavioral Science, deals with a topic relevant to one of the three areas below, it too may be used to meet this requirement with the approval of the option coordinator. If the comprehensive examination is completed as the final project one additional course selected from ANY of the three areas must be taken to reach the minimum of 30 units required for the degree.
 - A. Family and Neighborhood Conflict
 - BEH 531. Family and Neighborhood Conflict (3)
 - MFC 580. Cross-Cultural Family Values and Behavior (3)
 - MFC 587. Legal and Ethical Aspects of Counseling (3)
 - POL 368. Family Law (3)
 - PUB 541. Seminar: Criminal Justice Administration (4)
 - SOC 518. Seminar in Marriage and Family (3)
 - SOC 560. Seminar in Sociology of Racial and Ethnic Relations (3)
 - SOC 563. Seminar: Sociology of Drug and Alcohol Use (3)
 - SOC 565. Seminar: Deviant Behavior (3)
 - SOC 568. Seminar: Criminology (3)
 - SOC 569. Seminar: Juvenile Delinquency (3)
 - B. Intraorganizational and Interorganizational Conflict
 - BEH 512. Seminar: Organizational Administration (4)
 - BEH 533. Labor Conflict (3)
 - BEH 535. Organizational Conflict (4)
 - GEO 433. Environmental Analysis and Planning (3)
 - LBR 411. Contracts and Negotiations (3)
 - LBR 412. Labor Law (3)
 - POL 362. Consumer Protection Law and Policy (3)
 - PSY 572. Seminar: Industrial/Organizational Psychology (3)
 - PUB 508. Seminar: Public Personnel and Labor Relations (4)

C. Intercultural and International Conflict

- BEH 537. International Conflict (4)
 HIS 335. United States: War and Depression (3)
 HIS 352. Topics in the History of U.S. Foreign Relations (3)
 HUM 540. Seminar in History: Moments of Crisis (3)
 POL 330. Cultural Pluralism in Global Politics (3)
 POL 332. International Security Studies (3)
 POL 371. Conflict, Violence, and Non-violence (3)

3. Successful completion of one of the following (0-4 units)

- BEH 509. Seminar: Applied Behavioral Science (4)
 BEH 599. Thesis or Special Project in the Behavioral Sciences (1-3 units)
 Comprehensive Examination (0 units)

CERTIFICATE REQUIREMENTS

NEGOTIATION AND CONFLICT RESOLUTION (19-21 units)

The certificate program is designed for individuals interested in developing practical skills useful in their field of employment, but who do not require the theoretical or research emphases required by individuals interested in a comprehensive understanding of the topic or in further graduate work.

1. Required Courses (10 units)

- BEH 521. Theories of Conflict and Conflict Resolution (3)
 BEH 522. Seminar: Negotiation Tactics (4)
 BEH 539. Internship in Conflict Resolution (3)

2. Electives (9-11 units) in ONE of the following areas. When BEH 595, Seminar: Special Topics in Behavioral Sciences deals with a relevant topic, it too may be used to meet this requirement, with the approval of the option coordinator.

A. Family and Neighborhood Conflict

- BEH 531. Family and Neighborhood Conflict (3)
 MFC 580. Cross-Cultural Family Values and Behavior (3)
 MFC 587. Legal and Ethical Aspects of Counseling (3)
 POL 368. Family Law (3)
 PUB 541. Seminar: Criminal Justice Administration (4)
 SOC 518. Seminar in Marriage and Family (3)
 SOC 560. Seminar in Sociology of Racial and Ethnic Relations (3)
 SOC 563. Seminar in Sociology of Drug and Alcohol Use (3)
 SOC 565. Seminar: Deviant Behavior (3)
 SOC 568. Seminar: Criminology (3)
 SOC 569. Seminar in Juvenile Delinquency (3)

B. Intraorganizational and Interorganizational Conflict

- BEH 512. Seminar: Organizational Administration (4)
 BEH 533. Labor Conflict (3)
 BEH 535. Organizational Conflict (4)
 GEO 433. Environmental Analysis and Planning (3)
 LBR 411. Contracts and Negotiations (3)
 LBR 412. Labor Law (3)
 POL 362. Consumer Protection Law and Policy (3)
 PSY 572. Seminar: Industrial/Organizational Psychology (3)
 PUB 508. Seminar: Public Personnel and Labor Relations (4)

C. Intercultural and International Conflict

- BEH 537. International Conflict (4)
 HIS 335. United States: War and Depression (3)
 HIS 352. Topics in the History of U.S. Foreign Relations (3)

- HUM 540. Seminar in History: Moments of Crisis (3)
 POL 330. Cultural Pluralism in Global Politics (3)
 POL 332. International Security Studies (3)
 POL 371. Conflict, Violence, and Non-violence (3)

COURSE OFFERINGS IN BEHAVIORAL SCIENCE

Graduate

A demonstrated understanding of elementary descriptive statistics and research methods, graduate standing in the Behavioral Science Graduate program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

BEH 500 PROSEMINAR IN BEHAVIORAL SCIENCE (1). Consideration of the scope of the behavioral sciences and contexts for the application of basic behavioral science concepts and methods to the identification, clarification and resolution of issues and problems. One hour of seminar per week.

BEH 501 RESEARCH DESIGN AND EXECUTION (4). Consideration of research methods used in the behavioral sciences. Elements of research design including problem formulation sampling; data collection including instrument development; problems of reliability and validity; selection, calculation and interpretation of appropriate descriptive and inferential statistics. Three hours of lecture per week and two hours of activity.

BEH 505 COMPUTER APPLICATIONS IN BEHAVIORAL SCIENCE (4). Prerequisite: BEH 501 or equivalent. Concepts and practical exercises are combined to develop student competence in the most current applications of computing technology in the Behavioral Sciences including, but not limited to, word processing, desktop publishing, data base management, telecommunications and the use of statistical packages. Three hours of lecture per week and two hours of activity.

BEH 509 APPLIED BEHAVIORAL SCIENCE (4). Prerequisites: BEH 501, 505, and nine (9) additional units of graduate work. Application of research design, instrument development, statistics, proposal writing, program planning, and statistics skills to formulating, completing, and reporting a study of a specified problem in a field setting by a small team of students. Three hours of seminar per week.

BEH 512 SEMINAR: ORGANIZATIONAL ADMINISTRATION (4). Prerequisites: BEH 511. Clarification of organizational goals, initiating fund raising, marketing, and the administration of organizations to provide needed community services. Three hours of seminar per week.

BEH 521 THEORIES OF CONFLICT AND CONFLICT RESOLUTION (3). Prerequisite: BEH 511. Analysis of theories and models of conflict and conflict resolution among individuals, organizations and governments; exploring causes, levels, functions and effects. Methods and barriers to conflict management. Perspectives from anthropology, economics, future studies, history, mathematics, political science, psychology and sociology. Three hours of lecture per week.

BEH 522 NEGOTIATION TACTICS (4). Corequisite: Concurrent enrollment in BEH 523. Tactics used in negotiation among individuals, institutions, and societies. Planning and conduct of personal, corporate, labor, hostage and diplomatic negotiations. Cross-cultural, ethical and historical dimensions. Three hours of lecture and two hours of activity per week.

BEH 531 FAMILY AND NEIGHBORHOOD CONFLICT (3). Prerequisite: BEH 522 is recommended. Seminar in mediating family conflicts such as runaway children, abusive behavior, or care of elderly parents. Separation problems in traditional and non-traditional relationships such as property division and child custody. Legal, tax, and financial aspects. The mediation process. Written and oral agreements. Three hours of seminar per week.

BEH 533 LABOR CONFLICT (3). *Prerequisite: BEH 522 is recommended.* Seminar in case and historical studies in selected industries. Past, present, and pending court decisions or national and state labor laws. Strategic planning for labor organizations. The process of negotiating a labor contract. Grievance and arbitration procedures. Three hours of seminar per week.

BEH 535 ORGANIZATIONAL CONFLICT (4). *BEH 522 is recommended.* Origin and types of conflict which arise within and between complex organizations. Positive and negative effects of organizational conflict. Exploiting, preventing, containing, escalating, and resolving conflict. Practical exercises in managing simulated high and low visibility conflicts or crises commonly encountered by organizations. Three hours of lecture per week and two hours of activity.

BEH 537 INTERNATIONAL CONFLICT (4). *Prerequisite: BEH 522 is recommended.* Seminar in selected bi- and multi-national conflicts involving complex issues such as peace and trade. Common misconceptions about diplomacy. Case studies of specific treaties. Crisis management. The effect of culture on negotiations. Three hours of seminar per week.

BEH 539 INTERNSHIP IN CONFLICT RESOLUTION (3). *Prerequisites: BEH 522.* Students will work as interns in agencies appropriate to their specialization in conflict resolution and meet weekly with other interns and a faculty supervisor to discuss cases encountered. One hour of lecture per week in addition to internship.

BEH 550 SEMINAR IN THEORIES OF GERONTOLOGY (3). *Prerequisites: At least one of the following: SOC 355, PSY 305, or PSY 360. Also, at least one of the following: SOC 316, PSY 352, or ANT 344.* Functions, goals and development of theory; discussion and critical examination of biological, psychological, and sociological theories of aging. Three hours of seminar per week.

BEH 555 SEMINAR IN SOCIAL POLICY AND ECONOMICS OF AGING (3). *Prerequisite: BEH 550.* Overview of existing programs and funding resources emphasizing major legislation affecting older adults, e.g., social security, Older Americans Act, and MediCal. Economic implications for individuals, communities and the nation. Demands for goods and services and consumer patterns for the aging population. Three hours of seminar per week.

BEH 558 SEMINAR IN LIFE OPTIONS AND RETIREMENT PLANNING (3). Study of techniques of advising individuals and groups about adjustments to retirement and sharing of information about options in later life including changing personal and social relationships, financial planning, housing, government benefits, pensions, legal issues, e.g., wills, medical forms. Three hours of seminar per week.

BEH 563 SEMINAR IN COMMUNITY SERVICES FOR THE ELDERLY (3). Assessment of changing needs and special issues for communities. Identification of community resources and their mobilization and organization. Action strategies such as establishment of non-profit corporations, lobbying, advisory councils, volunteers, peer counseling, and development of professionals and new careers. Three hours of seminar per week.

BEH 565 SEMINAR IN LONG-TERM CARE FOR THE ELDERLY (3). Overview of continuum of existing and planning programs and housing/health facilities available for aged and frail elderly population. Special issues, present patterns, future trends in this field are explored. Assessment models for individuals and groups requiring special attention will be presented. Three hours of seminar per week.

BEH 567 DEATH AND DYING: PERSPECTIVES FROM THE BEHAVIORAL SCIENCES (3). 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. Three hours of lecture per week.

BEH 569 INTERNSHIP IN GERONTOLOGY (3). *Prerequisite: BEH 550 and any two electives.* Students will be directed to appropriate agencies and centers to work as interns within their chosen area of specialization. Regular meetings scheduled with a faculty internship supervisor to assess student progress. Course is repeatable twice by students in Gerontology Option. One hour of seminar per week in addition to internship.

BEH 595 SEMINAR IN SPECIAL TOPICS IN THE BEHAVIORAL SCIENCES (1-3). *Prerequisite: BEH 511.* Analysis of a current topic in Behavioral Science. Course may be repeated for total of six (6) units. Three hours of seminar per week.

BEH 597 DIRECTED READING IN THE BEHAVIORAL SCIENCES (3). *Prerequisites: BEH 501, 505.* In consultation with a faculty member, completion of readings to prepare for the comprehensive examination; or for orientation to a little known topic; or as background for writing a research, thesis, or project proposal. Choice of area requires prior consent of advisor. Repeatable for credit up to six (6) units. CR/NC grading.

BEH 598 DIRECTED RESEARCH IN THE BEHAVIORAL SCIENCES (3). *Prerequisite: BEH 501.* Research in any area of Behavioral Science. Choice of area requires prior consent of advisor. Repeatable for credit up to six (6) units. One hour of seminar per week in addition to supervised research. CR/NC grading.

BEH 599 THESIS OR PROJECT IN THE BEHAVIORAL SCIENCES (1-3). *Prerequisites: BEH 501, BEH 505, and nine additional units of graduate work.* In consultation with a faculty member, writing of a masters thesis or completion of a special project in the Behavioral Sciences. Choice of area requires prior consent of advisor. Repeatable for credit up to six (6) units. CR/NC grading.

BEH 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.



BIOLOGY

BACHELOR OF ARTS
 General Option
 Microbiology Option

MINORS
 General Option
 Microbiology Option

SINGLE SUBJECT WAIVER PROGRAM
 Life Science

MASTER OF ARTS

CERTIFICATE PROGRAM
 Human Cytogenetic Technology

FACULTY

Robert V. Giacosis, Department Chair

Harbans L. Arora (Emeritus), David E. Brest, Lois W. Chi (Emeritus), Evelyn T. Childress (Emeritus), Carol D. Guze, Gene A. Kalland, Richard T. Kuramoto, Francis D. McCarthy, David J. Morafka, Laura M. Phillips, W. Ann Reynolds, John W. Roberts, Laura J. Robles

Maria Garcia, Department Secretary
 NSM A-124, (213) 516-3381

PROGRAM DESCRIPTION

The Biology programs at CSU Dominguez Hills are designed to provide students with intensive, progressive and balanced learning experiences in cell and molecular biology, organism biology, population and community biology, and environmental science.

The Biology Department offers students seven programs from which to choose:

- Two undergraduate major options that award the bachelor of arts degree: a general option and a microbiology option;
- Two minor programs: a general minor and a microbiology minor. A non-biology major student may choose either of these minors. A general option biology major may choose the microbiology minor;
- A Life Science Single Subject Waiver Program for students who wish to pursue a secondary teaching credential;
- A Graduate Program which awards the master of arts degree;
- A Human Cytogenetic Technology Certificate Program that trains professional laboratory technologists in cytogenetics. This program also may be integrated with the graduate program leading to the M.A. degree.

FEATURES

The most important feature of the Biology Department is its excellent faculty, all of whom hold the doctorate. They are dedicated to excellence in teaching, yet remain exceptionally active in basic and applied research and other scholarly activities. The department currently has more than \$1,000,000 in private foundation, federal and international research grants.

Another attractive feature of the department is its small class size. This allows students to interact frequently and effectively with instructors both within and outside of class. It also permits instructors to easily identify students in need of additional assistance, and to supply such assistance.

The Biology Department's teaching and research facilities are modern and well equipped. Special facilities and equipment that are available for student use include transmission and scanning

electron microscopes, a tissue culture laboratory, controlled temperature rooms, a vivarium, a greenhouse, an aquarium room, a 20-acre nature preserve, and a working museum with collections of local and regional plants, fish, amphibians and reptiles. In addition to on-campus facilities, students may study marine biology and desert biology through the use of facilities available in the Southern California Ocean Studies Consortium and the Desert Studies Consortium. Excellent computer and library facilities also are available.

Since the Biology faculty maintain several diverse research programs that are well supported with public and private funds, the department can provide both undergraduate and graduate students with unusual opportunities to actively participate in "real" research. Biology students have been most successful, not only in conducting research, but in presenting reports at scientific meetings, publishing their findings and in receiving national recognition for the high quality of their work.

ACADEMIC ADVISEMENT

Although students are required to meet with an academic advisor only on first entering the University, at the start of their junior year (60 semester units) and at the start of their senior year (90 semester units), the biology faculty feel that more frequent advising is desirable. Therefore, the Biology Department recommends that each semester prior to or during registration, students meet with their biology advisor to review their progress, select new courses, update their advisement file (departmental files are maintained for all majors and graduate students), and to discuss any special problems they may have encountered. Biology faculty also are available for advising throughout each semester during office hours and by appointment. Should the need arise, a student's biology advisor also may refer him/her to other student services such as the Learning Assistance Center, the Student Health Center, and personal and career counseling.

PREPARATION

Students who plan to enter the biology program directly from high school should prepare by completing four years of English, including composition; algebra, geometry, trigonometry, and pre-calculus if available; and at least one year each of biology, chemistry and physics.

Students transferring from a community college should have completed one or two semesters of calculus or, if not taken in high school, algebra, geometry and trigonometry; one year of introductory chemistry and biology designed for the transfer major.

CAREER POSSIBILITIES

A student in the Biology Department will be prepared to pursue a variety of career opportunities, depending on the curricular program chosen. An undergraduate major may choose either the general option or the microbiology option. The general option can fulfill the major pre-medical entrance requirements for professional schools of medicine, dentistry, veterinary medicine, pharmacy, optometry, podiatry and medical technology, or prepare the student for further graduate study in biology. Biology graduates from CSU Dominguez Hills have competed successfully for admission to professional and graduate schools in California and elsewhere. Students also may use the general option to prepare for careers in teaching, research, government, academia or industry.

The microbiology option provides training in microbiology, medical microbiology, immunology and related courses (virology, mycology and parasitology) for students interested in a career in applied biology, biomedical research or allied fields.

The Human Cytogenetic Technology Certificate program is designed to train professional laboratory technologists whose skills in cell and tissue culture and chromosome analysis are vital in assisting medical geneticists with diagnosis of genetic defects. Since the field of medical genetics is expanding rapidly, a student's future career opportunities in this field appear to be very favorable.

The Master's Program in Biology will provide students with an in-depth background suitable for pursuing a career in teaching and/or in biomedical research, or in a related field such as public health, psychology and human services. Students may develop a program of courses and research that is tailor-made to their individual needs within the areas of expertise of their advising faculty. The graduate program also can establish a strong foundation for professional training in medicine, dentistry or other paramedical areas.

MAJOR REQUIREMENTS - BA

GENERAL OPTION (59-64 units)

The General Option leading to the bachelor of arts degree in biology requires 59-64 units of biology, chemistry, mathematics and physics; 30-32 units are lower division courses, which also may be used, where allowed, to satisfy General Studies requirements; 29-32 units of upper division biology courses are required.

Lower Division Requirements (30-32 units)

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- MAT 191. Calculus I (4) or
- MAT 171. Survey of Calculus for Management & Life Sciences I (4)
- PHY 130. General Physics I (5) and
- PHY 132. General Physics II (5)+ or
- PHY 120. Elements of Physics I (4) and
- PHY 122. Elements of Physics II (4)
- BIO 210. Principles of Biology I (4)
- BIO 212. Principles of Biology II (4)

Upper Division Requirements (29-31 units)

Required Courses (27-29 units)

- BIO 310. Cell and Plant Physiology (3)
- BIO 312. Animal Physiology (3)
- BIO 314. Embryology (3)
- BIO 320. Cell Biology (3)
- BIO 330. Evolution (2) or
- BIO 332. Ecology (3)
- BIO 340. Genetics (3)
- BIO 412. Comparative Vertebrate Biology (3)
- BIO 421. Molecular Biology (2)
- BIO 490. Senior Seminar in Biology (1)
- CHE 310. Organic Chemistry I (4) and
- CHE 311. Organic Chemistry Lab I (1) or
- CHE 316. Introductory Organic Chemistry (3) and
- CHE 317. Introductory Organic Chemistry Lab (1)

AND

Select any one additional upper division biology course for majors (2-3 units).

Pre-Medical Training in Biology

Students who wish to satisfy the entrance requirements of professional schools of medicine, dentistry, veterinary medicine, or other medical areas usually choose to major either in chemistry or biology. Students majoring in biology and seeking admission to a medical school in California, should complete the requirements for the biology degree and also take the following courses:

- CHE 310. Organic Chemistry I (4)
- CHE 311. Organic Chemistry Lab I (1)
- CHE 312. Organic Chemistry II (3)
- CHE 313. Organic Chemistry Lab II (2)
- CHE 230. Quantitative Analysis (4)
- MAT 191. Calculus I (4) and
- MAT 193. Calculus II (4)

AND

Also strongly recommended are the following courses which are suggested by many medical schools:

- CHE 450. Biochemistry I (4)
CHE 451. Biochemistry Lab I (1)

The following courses are not usually suggested for inclusion in pre-medical programs of study, but it is recommended that students consider them when planning their academic program. Many former students have found them to be a valuable preview of the anatomy and physiology courses that must be taken in medical school.

- BIO 482. Human Anatomy (3)
BIO 483. Human Physiology (3)

MICROBIOLOGY OPTION (58-66 units)

The Microbiology option leading to the bachelor of arts degree in biology requires 58-66 units of biology, chemistry, mathematics and physics; 30-32 units are lower division requirements, which also may be used, where allowed, to satisfy General Studies requirements; 28-34 units of upper division biology and chemistry courses are required.

Lower Division Requirements (30-32 units)

- CHE 110. General Chemistry I (5)
CHE 112. General Chemistry II (5)
MAT 191. Calculus I (4) or
MAT 171. Survey of Calculus for Management & Life Sciences I (4)
PHY 130. General Physics I (5) and
PHY 132. General Physics II (5) or
PHY 120. Elements of Physics I (4) and
PHY 122. Elements of Physics II (4)
BIO 210. Principles of Biology I (4)
BIO 212. Principles of Biology II (4)

Upper Division Requirements (28-34 units)

- Required Courses (24-27 units)
BIO 320. Cell Biology (3)+ or
CHE 450. Biochemistry I (4)+ and
CHE 451. Biochemistry Lab I (1)+
BIO 324. Microbiology (3)+
BIO 340. Genetics (3)
BIO 421. Molecular Biology (2)
BIO 425. Medical Microbiology (5)
BIO 426. Immunology (3)
BIO 490. Senior Seminar in Biology (1)
CHE 310. Organic Chemistry I (4) and
CHE 311. Organic Chemistry Lab I (1) or
CHE 316. Introductory Organic Chemistry (3) and
CHE 317. Introductory Organic Chemistry Lab (1)

AND

Select any two of the following courses (4-7 units):

- BIO 420. Microtechnique (2)+
BIO 422. Histology (3)+
BIO 427. Clinical Mycology (3)
BIO 428. Virology (2)
BIO 458. Human Parasitology (3)
CHE 452. Biochemistry II (4)+

MINOR REQUIREMENTS

MINOR IN BIOLOGY (19-22 units)

The biology minor requires 19-22 units: 6-9 units are lower division requirements, which also may be used, where allowed, to satisfy General Studies requirements; 13 units of upper division biology courses are required.

Lower Division Requirements (6-9 units)

- BIO 102. General Biology (3) or
BIO 210. Principles of Biology I (4)
CHE 102. Chemistry for the Citizen (3) or
CHE 110. General Chemistry I (5)

Upper Division Requirements (13 units)

Select any 13 units of upper division biology courses, BIO 250 and BIO 251 may be included in the 13. At least three courses, or nine (9) of the 13 units required must be taken in residence and no more than three (3) units may be from BIO 394, Independent Study.

Many of the upper division courses in biology require as prerequisites a year of college chemistry (CHE 110, 112 or equivalent) and a year of college biology (BIO 210, 212 or equivalent). If the student has not taken these prerequisites he/she may select from the following courses to satisfy upper division requirements for the minor in biology.

- BIO 250. Elements of Human Anatomy and Physiology (3)
BIO 251. Elements of Human Anatomy and Physiology Laboratory (1)+
BIO 336. Environmental Biology (3)
BIO 370. Biological Bases of Human Behavior (3)
BIO 374. Drug Abuse (3)+
BIO 380. Biology of Childhood and Adolescence (3)+
BIO 386. Human Aging (3)
BIO 395. Special Topics in Biology (2,3)

MINOR IN MICROBIOLOGY (39-45 units)

The Microbiology minor requires 39-45 units: 18 units are courses, which also may be used, where allowed, to satisfy General Studies requirements; 21-27 units of upper division biology and chemistry courses are required.

Lower Division Requirements (18 units)

- BIO 210. Principles of Biology I (4)
BIO 212. Principles of Biology II (4)
CHE 110. General Chemistry I (5)
CHE 112. General Chemistry II (5)

Upper Division Requirements (21-27 units)

- Required Courses (15-18 units)
BIO 320. Cell Biology (3) or
CHE 450. Biochemistry I (4) and
CHE 451. Biochemistry Lab I (1)
BIO 324. Microbiology (3)+
BIO 426. Immunology (3)
BIO 428. Virology (2)
CHE 316. Introductory Organic Chemistry (3) and
CHE 317. Introductory Organic Chemistry Lab (1) or
CHE 310. Organic Chemistry I (4) and
CHE 311. Organic Chemistry Lab I (1)

AND

Select any two of the following courses (6-9 units):

- BIO 310. Cell and Plant Physiology (3)+
BIO 425. Medical Microbiology (5)
BIO 427. Clinical Mycology (3)
BIO 458. Human Parasitology (3)
CHE 452. Biochemistry II (4)

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR SINGLE SUBJECT WAIVER PROGRAM IN LIFE SCIENCE 59-61 units)

The Life Science Single Subject Waiver Program is recommended to students interested in pursuing a Secondary Teaching Credential in Life Science. This program waives the requirement for passing the Life Science portion of the National Teacher's Examination (N.T.E.). Students interested in learning more about the requirements for obtaining a Single Subject (Secondary) Teaching Credential in Life Science, should contact either the Life Science Waiver Program advisor in the Biology Department or an advisor in the Teacher Education Department in the School of Education.

The Single Subject Waiver Program meets the requirements for a major in biology. If the student also takes BIO 421 and 490.

Lower Division Requirements (30-32 units)

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- PHY 120. Elements of Physics I (4)
- PHY 122. Elements of Physics II (4)
- PHY 130. General Physics I (5)
- PHY 132. General Physics II (5)
- BIO 210. Principles of Biology I (4)
- BIO 212. Principles of Biology II (4)
- MAT 191. Calculus I (4) or
- MAT 171. Survey of Calculus for Management and Life Sciences I (4)

Upper Division Requirements (27-28 units)

- BIO 310. Cell and Plant Physiology (3)
- BIO 312. Animal Physiology (3)
- BIO 320. Cell Biology (3)
- BIO 330. Evolution (2)
- BIO 332. Ecology (3)
- BIO 340. Genetics (3)
- BIO 360. Marine Biology (3)
- BIO 412. Comparative Vertebrate Biology (3) or
- BIO 416. Invertebrate Zoology (3)
- CHE 310. Organic Chemistry I (4) and
- CHE 311. Organic Chemistry I Lab (1) or
- CHE 316. Introductory Organic Chemistry (3) and
- CHE 317. Introductory Organic Chemistry Lab (1)

MAJOR REQUIREMENTS - MA

The Master's Program in Biology is planned as a two-year program. Students must complete a required core of courses and additional elective courses culminating in a research project and a comprehensive examination. The elective courses may be concentrated in an individualized program designed by the student with the help of an advisor.

The graduate program provides a strong background for a career in teaching and/or research. It also is designed to provide in-depth graduate training as preparation for professional studies in medicine, dentistry or paramedical fields.

Many graduate classes are scheduled to accommodate late afternoon and evening students.

A bachelor's degree in biology or a related field and a grade point average of 2.5 in the last 60 semester (90 quarter) units, not including extension units, are required for admission. Students deficient in course work or grades may be admitted conditionally upon approval by the departmental graduate committee.

The Biology Department's teaching and research facilities are modern and well equipped. Over the past two years, more than one million dollars has been awarded to the University to support

biological research. Qualified students may be eligible for an assistantship in research or teaching in undergraduate biology laboratory courses. Among the facilities that are available are transmission and scanning electron microscopes, a tissue culture laboratory, controlled temperate rooms, a vivarium, a greenhouse, an aquarium room, a 20-acre nature preserve, and a working museum with collections of local and regional plants, fish, amphibians and reptiles. Excellent computer and library facilities also are available.

Admission Procedures

1. Submit an application to the University for admission (or readmission) with graduate standing, and official transcripts of all previous college work in accordance with the procedures outlined in the Admission section of the University Catalog.
2. Submit a second set of transcripts to the Biology Graduate Program coordinator.
3. Submit to the department a letter describing interests, goals and expectations in pursuing the master's degree in biology.
4. Request at least two letters of recommendation from individuals who can evaluate potential for graduate study, and have the letters sent to the Biology Graduate Program coordinator.

Admission Requirements

To be admitted into the Master's Program in Biology, students must:

1. have earned the bachelor of arts or science degree in biology or a related field from an accredited college or university,
2. have completed coursework equivalent to the CSU Dominguez Hills degree in biology,
3. have earned a grade point average of 2.5 in the last 60 semester (90 quarter) units, not including extension units,
4. meet all other University admission requirements. If the student is deficient in specific coursework or grades, he/she may be admitted conditionally upon approval of the departmental graduate committee with favorable letters of recommendation from two former teachers.

Classified Standing

By the end of the second semester after admission to the program, or when 15 units of coursework have been completed, the student must submit an application for classified standing. To receive classified standing, the student must have:

1. selected a graduate advisor
2. satisfactorily completed the Biology Department's preliminary examination in general biology
3. received approval of a research project proposal and a program of coursework
4. maintained a grade point average of 3.0 or better in all coursework taken at CSU Dominguez Hills
5. completed the Graduate Writing Competency requirement
6. completed the Graduate Record Exam (GRE), including the Advanced Biology section.

Advancement to Candidacy

The student must submit an application for Advancement to Candidacy when he/she has:

1. received classified standing
2. completed a minimum of 12 units which must include all the required courses in the graduate program except the two required seminars (BIO 590 - Graduate Seminar) need not be completed
3. maintained a grade point average of 3.0 or better in all courses taken in the graduate program
4. selected an examination committee

Degree Requirements (30 units)

The master of arts degree in biology requires completion of 30 units, at least 15 of which must be graduate (500-level) courses in biology.

A. Required Courses (14 units)

- BIO 501. Biological Literature and Instrumentation (3)
- BIO 502. Biostatistics (3)
- BIO 520. Advances in Cell and Molecular Biology (3)
- BIO 590. Graduate Seminar (1, 1) A minimum of two offerings must be taken, but not more than three units may be applied to the degree.

AND a minimum of three (3) units from the following courses (a maximum of six (6) units can count toward the 30 units for the degree):

- BIO 596. Internship Human Cytogenetics (6)
- BIO 597. Directed Reading (1-3)
- BIO 598. Directed Research (1-3)
- BIO 599. Thesis (1-4)

B. Electives (16 units)

The following electives are acceptable for graduate credit:

1. Other graduate (500 level) courses in biology.
2. Upper division (400 level) courses in biology.
3. Any of the following courses:
 - CHE 320. Physical Chemistry I (4)+
 - CHE 450. Biochemistry I (4)+
 - CHE 451. Biochemistry Laboratory I (1)+
 - CHE 452. Biochemistry II (4)+
 - CHE 453. Biochemistry Laboratory II (2)+

C. In addition, the student is required to satisfactorily complete the following:

1. A research project and
2. A comprehensive examination based on the program of study.

CERTIFICATE REQUIREMENTS**HUMAN CYTOGENETIC TECHNOLOGY CERTIFICATE PROGRAM (23 units)**

The rapidly growing field of medical genetics, which includes prenatal diagnosis of genetic defects, requires trained technologists to provide laboratory support. Human cytogenetic technologists culture and analyze a variety of cell types in the determination of chromosomal defects. They must be proficient in tissue culture, microscopy, photography and chromosome analysis (karyotyping).

The Human Cytogenetic Technology (HCT) Certificate Program is designed to:

1. train students to perform chromosome analyses for medical genetics in clinical and research laboratories;
2. expand student's theoretical knowledge and broaden their capabilities if they are already practicing cytogeneticists who have been trained on the job; and
3. prepare students for the Certification Examination in Cytogenetics given by the National Certifying Agency of Medical Laboratory Personnel.

The lecture and seminar classes in the HCT Program provide the theoretical background and the biological and medical context of human cytogenetics. The laboratory courses are intensive,

"hands on" training in the most up-to-date procedures used in the preparation of chromosome analyses from a variety of cell types commonly encountered by clinical cytogeneticists.

The required courses and internships (23 units) are offered in sequential semesters. If desired, the student may integrate these courses into either the bachelor's degree or master's degree in biology. If the student is a practicing cytogeneticist, she/he may be able to obtain credit by examination in one or more selected courses. Classes are scheduled in the late afternoon and evening to accommodate daytime employment schedules. Because of the highly technical nature of the curriculum, only a limited number of students will be admitted to the program.

Admission Requirements

To be admitted into the Human Cytogenetic Technology Program, the student must:

1. have completed prerequisite courses in general biology, general chemistry and organic chemistry
2. have completed upper division courses in Cell Biology (BIO 320) Genetics (BIO 340) and Molecular Biology (BIO 421).
3. be interviewed by the program coordinator
4. meet all other University admission requirements

Admission Procedures

1. If not already admitted to CSU Dominguez Hills, the student must submit an application for admission to the University, and send official transcripts of all previous college work in accordance with the procedures outlined in the Admission section of the University catalog. Students are eligible to apply as an undergraduate or graduate student. Students admitted to the University, are not necessarily admitted to the HCT program. The program requires a separate application.
2. Obtain an HCT application packet from the Department of Biology and submit the completed application along with a second set of official transcripts to the HCT program coordinator.
3. Arrange to have three individuals familiar with the student's academic background and/or laboratory skills write references on the forms contained in the HCT application packet.

A maximum of twenty students will be accepted into the program for each cycle. Selection of those students will be based on academic performance in prerequisites courses, references and interview scores.

The Human Cytogenetics Certificate requires 23 units including required internships, and at least 10 units must be taken in residence. Credit by examination may be allowed in one or more selected courses.

Prerequisites

- One year of general biology
- One year of general chemistry
- Organic chemistry
- Upper division cell biology, genetics and molecular biology

Required Courses (22 units)

- BIO 442. Human Genetics (3)
- BIO 443. Human Cytogenetics Laboratory (1)
- BIO 444. Cell and Tissue Culture (2)
- BIO 445. Cell Culture and Cytogenetics (2)
- BIO 591. Graduate Seminar: Human Cytogenetics (1)
- BIO 592. Graduate Seminar: Medical Genetics (1)
- BIO 596. Internship: Human Cytogenetics (6, 6)

Requirements for beginning the internship

1. Student must have achieved a grade of "B" or better in all laboratory coursework.

+Consult course description for prerequisite(s).

- Student must demonstrate ability to carry out instructions, communicate effectively, and take responsibility for his/her actions in a professional manner.

Upon completion of the preclinical coursework the faculty will recommend those students who exhibit the above qualities for entry into the clinical year.

- Qualified students will then interview with the program director and internship coordinator to discuss positions available for the clinical year.
- The student must interview with a supervisor at the proposed clinical site to determine his/her suitability for that position.

COURSE OFFERINGS IN BIOLOGY

Lower Division

BIO 102 GENERAL BIOLOGY (3). Representative topics in modern biology, emphasizing the present state of knowledge and the major means whereby this knowledge is being expanded. Two hours of lecture and three hours of laboratory per week.

BIO 210 PRINCIPLES OF BIOLOGY I (4). *Prerequisite:* CHE 110. Introduction to basic biological concepts including structure, organization and function of life at the cellular and molecular levels and the biology of monerans and plants in terms of their structure and function. Three hours of lecture and three hours of laboratory per week.

BIO 212 PRINCIPLES OF BIOLOGY II (4). *Prerequisites:* BIO 210 and CHE 112 or concurrent enrollment. Evolution, life histories, anatomy and physiology of major classes of protozoa, invertebrates and vertebrates. Low-tide field trip required. Three hours of lecture and three hours of laboratory per week.

BIO 250 ELEMENTS OF HUMAN ANATOMY AND PHYSIOLOGY (3). *Prerequisite:* BIO 102 or equivalent. Basic principles of anatomical structure and physiological processes of human organ systems. Not open for credit toward the Biology major. Three hours of lecture per week.

BIO 251 ELEMENTS OF HUMAN ANATOMY AND PHYSIOLOGY LABORATORY (1). *Prerequisite:* BIO 250 or concurrent enrollment. Laboratory work and demonstrations in the anatomical structure and processes occurring in man. Not open for credit toward the Biology major. Three hours of laboratory per week.

BIO 254 HUMAN BIOLOGY (3). *Prerequisite:* BIO 102 or Equivalent. Biological aspects of humans with emphasis on structure and function of organ systems. Additional topics may include human origins, diseases, and health aspects of human genetics and the environment. Not open for credit towards the Biology major. Three hours of lecture per week.

Upper Division

BIO 310 CELL AND PLANT PHYSIOLOGY (3). *Prerequisites:* CHE 110, CHE 112 and BIO 212. An introduction to cell metabolism using the plant cell as a model. Topics include photosynthesis, respiration, amino acid synthesis and lipid metabolism. Physiology of plants, including hormones, photoperiodism and circadian rhythms, will also be covered. Two hours of lecture and three hours of laboratory per week.

BIO 312 ANIMAL PHYSIOLOGY (3). *Prerequisite:* BIO 212. Introduction to comparative animal physiology with emphasis on the vertebrates. Topics include gas exchange, circulatory function, digestion temperature regulation, metabolism, osmoregulation and excretion. Two hours of lecture and three hours of laboratory per week.

BIO 314 EMBRYOLOGY (3). *Prerequisite:* BIO 212. Development of animals from gametogenesis through organogenesis. Organismic approach to vertebrate embryonic development with emphasis on chick and selected comparison to frog and mammals. Two hours of lecture and three hours of laboratory per week.

BIO 320 CELL BIOLOGY (3). *Prerequisites:* BIO 210; CHE 310 and CHE 311 or CHE 316 and CHE 317. Structure and function of eucaryotic cells to the molecular level, including cell structure, DNA structure, function and regulation and protein synthesis. Laboratory includes current techniques used in cell biological research. Two hours of lecture and three hours of laboratory per week.

BIO 324 MICROBIOLOGY (3). *Prerequisites:* BIO 210, BIO 212 and CHE 450 or BIO 320. The morphology, physiology, genetics and classification of microorganisms; applied aspects of microbiology. Basic bacteriological techniques included in the laboratory. Two hours of lecture and three hours of laboratory per week.

BIO 330 EVOLUTION (2). *Prerequisite:* BIO 212. Genetic and ecological factors affecting evolution, microevolution and macroevolution, classification systems. Two hours of lecture per week.

BIO 332 ECOLOGY (3). *Prerequisites:* BIO 210 and BIO 212. Concepts in ecology including energy flow, biogeochemical cycles, community structure, succession, and population growth and interaction. Sampling techniques and use of ecological instrumentation learned in laboratory. Two hours of lecture and three hours of laboratory per week.

BIO 336 ENVIRONMENTAL BIOLOGY (3). *Prerequisite:* BIO 102 or equivalent. Principles of ecology applied to contemporary environmental problems. Emphasis is placed upon human impact in Southern California. Designed for non-biology majors. One day (18 hour) field trip is required. Three hours of lecture per week.

BIO 340 GENETICS (3). *Prerequisites:* BIO 212, CHE 310 or CHE 316. Principles of heredity, gene expression at the molecular and organismic levels, variations and mutations. Laboratory includes basic experiments in mutagenesis, chromosome analysis, gene mapping and recombinant DNA. Two hours of lecture and three hours of laboratory per week.

BIO 360 MARINE BIOLOGY (3). *Prerequisites:* BIO 210 and BIO 212. Introduction to the biology of marine life; general descriptions of the marine environments, their inhabitants and ecology; emphasis on the plants and animals of the Southern California seashores. Two hours of lecture and three hours of laboratory per week.

BIO 370 BIOLOGICAL BASES OF HUMAN BEHAVIOR (3). *Prerequisite:* BIO 102 or equivalent. 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. Not open for credit toward the Biology major. Three hours of lecture per week.

BIO 374 DRUG ABUSE (3). *Prerequisite:* BIO 102 or equivalent. Introduction to the problem of drug abuse. The action of commonly abused drugs on the human nervous system will be examined including the physiological and behavioral effects which are produced. Not open for credit toward the Biology major. Three hours of lecture per week.

BIO 380 BIOLOGY OF CHILDHOOD AND ADOLESCENCE (3). *Prerequisite:* BIO 250 or BIO 254. The physiology of growth and development through the second decade of life; reproductive maturation and the hormonal regulation of puberty; common illnesses, growth disorders and health hazards, including a brief introduction to venereal diseases and drug abuse. Not open for credit toward the Biology major. Three hours of lecture per week.

BIO 386 HUMAN AGING (3). *Prerequisite:* BIO 250 or BIO 254. The effects of aging on the structure and physiology of the human body and the effects of drugs used in the treatment of the elderly. Three hours of lecture per week.

BIO 394 INDEPENDENT STUDY (1,2).* *Prerequisites:* BIO 210 and BIO 212. Advanced library, field or laboratory work. A contract must be signed by the student and supervising faculty. Credit in this course is contingent upon completion of a written report of work accomplished. Not more than three units may be applied toward the Biology major or minor.

BIO 395 SPECIAL TOPICS IN BIOLOGY (2,3).* *Prerequisites:* BIO 102 or equivalent and consent of instructor. Courses of special interest in Biology for students not majoring in the field. Topic and content will vary as announced. Not open for credit toward the Biology major. Two or three hours of lecture per week.

BIO 412 COMPARATIVE VERTEBRATE BIOLOGY (3). *Prerequisites:* BIO 210 and BIO 212 are required; BIO 330 is recommended. Vertebrate evolution, classification, ecology and adaptive morphology will be investigated through comparative anatomy dissections, examination of fossil record and behavior. Two hours of lecture and three hours of laboratory per week.

BIO 416 INVERTEBRATE ZOOLOGY (3). *Prerequisites:* BIO 210 and BIO 212. Basic taxonomy, morphology, distribution and natural history of the invertebrates; protozoans to protochordates, excluding insects and medical parasites. One hour of lecture and six hours of laboratory per week.

BIO 420 MICROTÉCHNIQUE (2). *Prerequisite:* BIO 212. Preparation of tissues for microscopic study, with emphasis on paraffin embedding and staining. One hour of lecture and three hours of laboratory per week.

BIO 421 MOLECULAR BIOLOGY (2). *Prerequisite:* BIO 320. The molecular basis of genome organization, gene structure, expression and regulation; emphasis on current developments in the field. Two hours of lecture per week.

BIO 422 HISTOLOGY (3). *Prerequisites:* BIO 312 and CHE 310 or CHE 316. Microscopic study of the structure and function of cells and tissues and their integration into organs. Two hours of lecture and three hours of laboratory per week.

BIO 423 CELL FINE STRUCTURE (2). *Prerequisite:* BIO 320 or BIO 422. Structure and function of eucaryotic sub-cellular constituents at the light and electron microscopic and biochemical level. Two hours of lecture per week.

BIO 425 MEDICAL MICROBIOLOGY (5). *Prerequisite:* BIO 324. Characteristics of bacterial and mycotic agents in human disease emphasizing host-parasite relationships, epidemiology and infection control. Laboratory methods for detection, isolation and identification of medically important bacteria and fungi. Three hours of lecture and six hours of laboratory per week.

BIO 426 IMMUNOLOGY (3). *Prerequisites:* BIO 324, CHE 310 or CHE 316. Principles of immunology. Emphasis on the cellular and molecular nature of antigens and immunoglobulins; immunobiology. Laboratory immunoassays. Two hours of lecture and three hours of laboratory per week.

BIO 427 CLINICAL MYCOLOGY (3). *Prerequisites:* BIO 324 is required; BIO 425 is recommended. Comparative morphology, physiology and pathogenicity of medically important fungi. Laboratory methods for identification emphasize interpretation and evaluation of results including the recognition of contaminating or opportunistic organisms. Two hours of lecture and three hours of laboratory per week.

BIO 428 VIROLOGY (2). *Prerequisites:* BIO 324 is required; BIO 425 is recommended. The anatomy, biochemistry, physiology and pathogenesis of bacterial and animal viruses emphasizing virus diseases of man. Topics include structure, classification, theory and practical aspects of growth, purification and identification, host-virus interactions, tumor viruses and antiviral agents. Two hours of lecture per week.

BIO 442 HUMAN GENETICS (3). *Prerequisites:* BIO 320, BIO 340 (BIO 421 can be concurrent). Principles of human genetics including cytogenetics, mendelian inheritance, pedigree construction, complex patterns of inheritance, biochemical defects, gene mapping, hemoglobinopathies, molecular genetics, prenatal diagnosis and gene therapy. Three hours of lecture per week.

BIO 443 HUMAN CYTOGENETICS LABORATORY (1). *Prerequisite:* BIO 442 or concurrent enrollment. Laboratory in chromosome identification and karyotype analysis. Three hours of laboratory per week.

BIO 444 CELL AND TISSUE CULTURE (2). *Prerequisite:* BIO 320. Principles of cell culture. Topics include growth parameters, culture media, preparation of materials, and equipment. Two hours of lecture per week.

BIO 445 CELL CULTURE AND CYTOGENETICS LABORATORY (2). *Prerequisite:* BIO 443 and prior or concurrent enrollment in BIO 444. Culturing of lymphocytes and tissues; harvesting of cultures chromosome banding techniques; photo microscopy and darkroom techniques. Six hours of laboratory per week.

BIO 453 ENDOCRINOLOGY (3). *Prerequisites:* BIO 312, BIO 314 and BIO 320. The role of endocrine glands and tissues in metabolic regulation, environmental adjustment, reproduction, and development of vertebrates, with emphasis on mammals. Three hours of lecture per week.

BIO 458 HUMAN PARASITOLOGY (3). *Prerequisites:* BIO 210 and BIO 212. Physiological aspects of parasites in man, their symbiotic host and parasite relationships and clinical diagnostic techniques. Two hours of lecture and three hours of laboratory per week.

BIO 482 HUMAN ANATOMY (3). *Prerequisite:* BIO 312. Advanced lecture and laboratory course in the anatomical structure of man involving human materials and models, and the dissection of a cat. One hour of lecture and six hours of laboratory per week.

BIO 483 HUMAN PHYSIOLOGY (3). *Prerequisite:* BIO 482. Advanced lecture and discussion of the functional activities occurring in the human organ systems. Three hours of lecture per week.

BIO 490 SENIOR SEMINAR IN BIOLOGY (1).* *Prerequisites:* Senior standing and Biology Major. Intensive use of current biological literature and bibliographies. One hour of seminar per week.

BIO 495 SELECTED TOPICS IN BIOLOGY (2,3).* *Prerequisites:* BIO 210 and BIO 212 and consent of instructor. Advanced course of special interest for students majoring in Biology. May include laboratory exercises. Topic and content will vary as announced. Two to three hours of lecture per week.

Graduate

Graduate standing in the Biology program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

BIO 501 BIOLOGICAL LITERATURE AND INSTRUMENTATION (3). 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. Two hours of lecture and three hours of laboratory per week.

BIO 502 BIostatISTICS (3). *Prerequisite:* MAT 131. Application of statistical analyses to biological research with emphasis on experimental design. Analysis of variance, regression and correlation will be the primary topics. Two hours of lecture and three hours of laboratory per week.

BIO 520 ADVANCES IN CELL AND MOLECULAR BIOLOGY (3). *Prerequisite:* BIO 421. Current developments in the structure and function of viruses, prokaryotic cells, and eukaryotic cells. Three hours of lecture per week.

BIO 523 ELECTRON MICROSCOPY (3). *Prerequisite:* BIO 421. Theory and use of the electron microscopy preparation of tissue and photographic techniques. One hour of lecture and six hours of laboratory per week.

BIO 530 PHYLOGENETICS, SYSTEMATICS, AND BIOGEOGRAPHY (3). *Prerequisites:* BIO 330 or equivalent is required; an ecology course is recommended. Current analytical techniques, data sources, and evolutionary principles are explored in the fields of phylogenetics, systematics, and historical biogeography. Three hours of lecture per week.

BIO 570 ADVANCES IN HUMAN NEUROBIOLOGY AND BEHAVIOR (2). *Prerequisite:* BIO 483. Recent advances in human neurobiology as it relates to behavior. Two hours of lecture per week.

BIO 580 BIOLOGY OF AGING (3). *Prerequisite:* BIO 483. Current concepts and issues in the biology of aging. Emphasis on changes and control mechanisms at the molecular, cellular, and tissue levels; cell senescence. Three hours of lecture per week.

BIO 590 GRADUATE SEMINAR (1).* Presentation and discussion of selected topics in Biological Science. A maximum of 3 units may be applied toward the master's degree. One hour of seminar per week.

BIO 591 GRADUATE SEMINAR: HUMAN CYTOGENETICS (1).* *Prerequisite:* BIO 442, BIO 443 or consent of instructor is required; BIO 444 and BIO 596 recommended. Presentation and discussion of selected topics in the clinical and research aspects of human cytogenetics. One hour of seminar per week.

BIO 592 GRADUATE SEMINAR: MEDICAL GENETICS (1).* *Prerequisites:* BIO 442 is required; BIO 443, BIO 444, BIO 591, BIO 596 recommended. Presentation and discussion of selected topics in the application of human genetics to human disease. In order to present the current state of the field this course will be supplemented by guest lectures by professional medical geneticists. One hour of seminar per week.

BIO 595 GRADUATE SELECTED TOPICS IN BIOLOGY (2,3).* Advanced course of special interest to graduate students in Biology. Topic and content will vary as announced. Two to three hours of lecture per week.

BIO 596 HUMAN CYTOGENETICS INTERNSHIP (6 or 12).* *Prerequisites:* BIO 442, BIO 443 and BIO 444; admission is competitive (GPA and instructor recommended) and is also dependent upon the number of internships available. Intensive training in clinical human cytogenetics in hospitals and/or private medical laboratories. A maximum of 5 units can apply toward the bachelor's or master's degree.

BIO 597 DIRECTED READING (1-3).* 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 Biology 598 or Biology 599. A maximum of 3 units may be applied toward the master's degree.

BIO 598 DIRECTED RESEARCH (1-3).* Laboratory research on a specific subject in biology. Topic of research to be approved and directed by an instructor. A maximum of 3 units may be applied toward the master's degree.

BIO 599 THESIS (1-4).* Laboratory research and writing of thesis for the master's degree. Topic of research to be approved by graduate advisor. A maximum of 6 units of BIO 596, 597, 598 and 599 combined may be applied toward the master's degree.

BIO 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examinations, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.



BUSINESS ADMINISTRATION

BACHELOR OF SCIENCE

Accounting Concentration
Computer Information Systems Concentration
Finance Concentration
General Business Concentration
International Business Concentration
Management Concentration
Marketing Concentration
Human Resource Administration Concentration
Production and Operations Management Concentration
Small Business and Entrepreneurship Concentration

MINOR

Business Administration
Business Information Systems

MASTER OF BUSINESS ADMINISTRATION

General Management Concentration
Computer Information Systems Concentration

FACULTY

Department of Accounting/Law

Donald J. Barnett, Chair

Melvin Auerbach, C. H. Chang, Mohamed El-Badawi, Rita J. Hopewell, Reza Mazhin, Stanley Schoen, Franklin Strier

Department Office
SBS D-325, (213) 516-3556

Department of Computer Information Systems

Raoul J. Freeman, Chair

Peter Herne, Blaine Garfalo, Milton Pine, Laurence Press, John Walter

Department Office
SBS D-321, (213) 516-3579

Department of Finance/Quantitative Methods

Herbert Milgrim, Chair

Martin R. Blyn, Carol Lopilato, Anthony Mastor, Mazin Nashif, Ricardo Ulivi, Burhan Yavas, Kosaku Yoshida

Department Office
SBS D-321, (213) 516-3557

Department of Management

R. Bryant Mills, Chair

Robert Dowling, Robard Hughes, C. W. Lee, Richard Nehrbass, Brhane Tesfay, Howard Unterbrink

Department Office
SBS D-325, (213) 516-3551

Department of Marketing

Joel C. Greenwald, Chair

C. K. Jameson, Jack Kitson, George Morris, Cyril E. Zoerner

Department Office
SBS D-325, (213) 516-3552

Master of Business Administration Program

Jack William Kitson, Coordinator

MBA Program Office
SBS A-328; (213) 516-3465

FEATURES

Undergraduate

The undergraduate program in Business Administration, which leads to a bachelor of science degree, is designed to accomplish two objectives. The first of these is to prepare students for lifelong professional careers in commerce, finance and industry, as well as for management careers in the public and not-for-profit sectors. A second objective is to provide students with the knowledge and skills needed to obtain professional, entry level positions in one or another functional area of the business enterprise, or in some particular field of business. To accomplish these objectives, the program is divided into two broad segments: lower and upper division core (common-body-of-knowledge) courses, and a concentration.

The School of Management offers a minor in business administration and a minor in business information systems. The minor in business administration is designed for students majoring in other fields who wish to acquire a basic knowledge of business for the purpose of career preparation. The minor in business information systems offers students the opportunity to learn skills and knowledge in the application of computers for business decision-making.

The **faculty** represent a particularly strong combination of academic and professional credentials. Their doctoral degrees come from the finest universities in the world. Their expertise reflects specialization in different fields of business administration as well as practical experience in business and industry. The full-time faculty is augmented by highly qualified part-time faculty drawn from the business community surrounding the University. These faculty offer students a dimension of knowledge derived from actual experience, in addition to strong academic credentials.

The **Bureau of Management Research and Services (BMRS)** provides School of Management faculty with research, consulting and support services. Also, the BMRS is a clearing house for services provided by the School of Management to the local South Bay business community. Included are referrals for business and public service consulting in a variety of areas: accounting and financial management, marketing, management and supervisory training, labor and personnel relations assistance and other business related support services.

The **Small Business Institute (SBI)** provides students consulting experience with small business enterprises. Senior students develop decision making skills as they apply theoretical and academic strategy to selected areas of entrepreneurship. Through a casework approach with actual business problems, students offer technical assistance in budgeting and planning, marketing and advertising strategies, and management improvements.

Student Organizations include the Accounting Society, the Marketing Association, the Finance Association, the Data Processing Management Association (DPMA), Hispanic Business Association and International Business Association. Membership requirements and club activities are listed on bulletin boards and also may be obtained in department offices.

Graduate

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 to increase their potential for career advancement. The program is offered for full-time students, and on a part-time basis for the fully employed person. Classes meet one evening per week.

The course of study leading to the M.B.A. 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. For students choosing the General Management Emphasis, Phase II consists of a program of advanced coursework relating to the functional development, implementation and evaluation of managerial strategies in general. Students choosing the Computer Information Systems concentration will complete advanced coursework in computer information systems.

In addition to Phase I and Phase II coursework, special topics of interest will be offered each term as BUS 595. Examples of topics include: human resources, labor and industrial relations, business forecasting and financial planning, advanced accounting and taxes, quantitative methods and production, contemporary management theories, and information systems.

Both concentrations in the M.B.A. program are intended to improve the capacity for effective decision-making, to facilitate professional growth and development for increasing managerial responsibility and to broaden knowledge and understanding of management.

ACADEMIC ADVISEMENT

Undergraduate

The School of Management (S.O.M.) Undergraduate Advisement Center for business administration majors provides authoritative information concerning student advisement, including concentrations, graduation requirements, transfer of credit and special circumstances and conditions. Students are urged to come to the S.O.M. Advisement Center when they first enroll as business administration majors or minors.

Transfer students must bring a set of their college transcripts to the S.O.M. Advisement Center when they first enroll as business administration majors or minors. Students wishing to receive credit in the business administration major or minor for courses taken at other institutions must receive approval from an advisor in the S.O.M. Advisement Center.

Transfer credit forms may be obtained in the S.O.M. Advisement Center.

The S.O.M. Advisement Center maintains computer records of progress toward completion of business administration degree requirements for all business administration majors and minors. These records are used for counseling purposes and to check completion of course prerequisites.

Students must bring their advisement printout to registration and to business administration faculty when adding business administration courses during the drop/add period.

Regular office hours are held Monday through Thursday. On Friday the office is closed. Telephone information is available at 516-3561.

Coordinator of Advisement: Pamela Harris, 516-3561.

Concentration and Career Advising are provided by professors and can be initiated by students to accommodate individual needs. Names of professors and their areas of professional expertise are available in the School of Management Advisement Center and in departmental offices. Students in the various concentration should seek advice from an appropriate department chair regarding concentration course work. Students may obtain advice from faculty about tailoring their academic programs toward career goals, about graduate schools and programs, and

about career opportunities. Students are urged to consult with faculty on these matters.

Graduate

All M.B.A. students receive general advisement from the M.B.A. program coordinator. Students may be referred to other faculty for specialized professional advising. Any questions about admissions, GMAT or TOEFL requirements, transfer of previous coursework, or general advisement should be directed to the M.B.A. office, SBS A-328 (telephone: 516-3465).

PREPARATION

Preparation for high school students should include a solid academic program, with four years of English and mathematics, and the typical college preparatory courses in the social and natural sciences.

Transfer students should complete, if possible, lower division general education requirements, including the appropriate courses in English and mathematics. The following business courses are recommended: accounting (financial and managerial), law, computer information systems for business (including programming), economics (micro and macro), and calculus for business students.

An updated computer printout obtained at the Business Advisement Center must be taken to registration and to add any upper division business class. Business majors and minors must also bring a xerox copy of their updated transcripts and the Certificate of Admission and Evaluation from Admissions and Records to the Center upon entrance to the University.

CAREER POSSIBILITIES

Undergraduate

Employment opportunities for students with a major in business administration continue to expand within a rapidly growing economy. In the private sector, students will find employment in a wide variety of business and professional organizations including public accounting firms, banks, savings and loans, and other financial institutions, commercial and high-technology industries, aerospace, and in a multitude of firms engaged in transportation, communications and the increasingly important foreign trade sector. Furthermore, business majors are actively recruited by many not-for-profit and public organizations for their skills in accounting and financial management, marketing, computer and data processing, human resource administration and general management. Those who want to engage in entrepreneurial activity and operate their own business also will benefit from a major in business administration. In addition, an undergraduate degree in business administration is excellent preparation for graduate study in business, law and other academic areas offering a professional focus.

Graduate

M.B.A. graduates are in high demand, primarily in the private sector, for positions in finance, accounting, business information systems, management, marketing and other business areas. Major Southern California corporations offer both entry-level and advanced opportunities to graduates depending on previous education and professional experience. Recent graduates of the M.B.A. Program are currently employed in widely diverse positions at attractive salary levels.

Some graduates interested in professional careers in teaching and research have matriculated to doctoral programs in business at prestigious universities.

MAJOR REQUIREMENTS - BS (73-76 units)

Single field major - no minor required

Prerequisites

MAT 009 or two full years of high school algebra and a passing score on the ELM are prerequisite to ACC 230, CIS 270 and MAT 171.

Common Core Curriculum for Business Administration majors (58 units)

Lower Division Requirements (22 units)

- ACC 230. Financial Accounting (3)
- ACC 231. Managerial Accounting (3)
- CIS 270. Introduction to Computers & Data Processing (3)
- ECO 210. Economic Theory 1A (Microeconomics) (3)
- ECO 211. Economic Theory 1B (Macroeconomics) (3)
- LAW 240. Legal Aspects of Business Transactions (3)
- MAT 171. Survey of Calculus for Management and Life Science I (4)+

Note: It is the policy of the School of Management that students complete all lower division core courses and satisfy the University's lower division English composition requirement prior to enrolling in upper division business courses. Exceptions may be granted for one semester only, provided students are completing the lower division core requirements (including English composition) during that semester. During this transition semester students may enroll only in those upper division business courses for which they have met the specific course requirements. Furthermore, listed core prerequisites are determined by the faculty to be necessary for maximum learning in a class. Listed course prerequisites will be adhered to in all cases.

Upper Division Requirements (36 units)

- CIS 370. Introduction to Business Information Systems (3)
- ENG 352. Writing and Speaking Skills for Management (3)+
- FIN 360. Business Finance (3)
- MGT 310. Management Theory (3)
- MGT 312. Organizational Behavior (3)
- MKT 350. Principles of Marketing (3)
- QMS 321. Introduction to Business Statistics (3)
- QMS 322. Production Management (3)
- BUS 445. International Business (3)
- FIN 480. Economics of the Firm (3)
- QMS 423. Introduction to Operations Research (3)
- BUS 490. Management Policy Seminar (3) or
- BUS 491. Business Consulting Practicum (3)*

*BUS 490 and BUS 491 are capstone courses and must be taken with 400-level courses only. Students selecting the Small Business and Entrepreneurship concentration must take both BUS 490 and BUS 491.

Each student must select one of the concentrations listed below:

ACCOUNTING CONCENTRATION (18 units)

Required Courses:

- ACC 330. Intermediate Accounting I (3)
- ACC 331. Intermediate Accounting II (3)
- ACC 333. Income Taxation I (3)
- ACC 337. Cost Accounting (3)
- ACC 435. Auditing (3)

One course selected from:

- ACC 339. Accounting and Control in Multinational Companies (3)
- ACC 430. Advanced Accounting (3)

- ACC 431. Governmental and Non-Profit Accounting (3)
 ACC 433. Income Taxation II (3)
 ACC 437. Controllorship (3)

In addition to the above, the following are strongly recommended electives:

- LAW 340. Law of Business Organizations (3)

COMPUTER INFORMATION SYSTEMS CONCENTRATION (18 units - three tracks)

Required courses (all tracks)

- CIS 272. Introduction to COBOL Programming (3)
 CIS 372. Systems Development I (3)
 CIS 374. Systems Development II (3)

A. Track 1: General Concentration

Three courses selected from:

- CIS 275. Microcomputers in Administration (3)
 CIS 371. Advanced COBOL Programming (3)
 CIS 473. Data Base Systems (3)
 CIS 475. Data Communications (3)
 CIS 478. Data Processing Applications in Business (3)

B. Track 2: Concentration patterned after curriculum advocated by the Data Processing Management Association - DPMA

Required courses:

- CIS 371. Advanced COBOL Programming (3)
 CIS 473. Data Base Systems (3)

and one course selected from:

- CIS 275. Microcomputers in Administration (3)
 CIS 373. Data Center Operations (3)
 CIS 475. Data Communications (3)
 CIS 476. Advanced Concepts for Business Systems (3)
 CIS 478. Data Processing Applications in Business (3)

C. Track 3: Concentration patterned after curriculum advocated by the Association for Computing Machinery - ACM

Required courses:

- CIS 473. Data Base Systems (3)
 CIS 475. Data Communications (3)

and one course selected from:

- CIS 275. Microcomputers in Administration (3)
 CIS 371. Advanced COBOL Programming (3)
 CIS 373. Data Center Operations (3)
 CIS 476. Advanced Concepts for Business Systems (3)
 CIS 478. Data Processing Applications in Business (3)

FINANCE CONCENTRATION (15 units)

Required courses:

- FIN 382. Financial Analysis I (3)
 FIN 468. Seminar in Investment Analysis (3)

and three courses selected from:

- FIN 467. Real Estate Finance and Investments (3)
 FIN 481. Financial Institutions Management (3)
 FIN 483. Financial Analysis II (3)
 FIN 484. Financial Forecasting (3)
 FIN 488. Multinational Financial Transactions (3) or
 ECO 341. International Finance (3)
 ACC 337. Cost Accounting (3)

GENERAL BUSINESS CONCENTRATION (15-18 units)

Required Courses:

- BUS 491. Business Consulting Practicum (3) or both
 CIS 275. Microcomputers in Administration (3)
 and
 MGT 412. Small Business Management (3)

(If you choose BUS 490 in the upper division core you may take either BUS 491 or both CIS 275 and MGT 412. If you choose BUS 491 in the upper division core you must take CIS 275 and MGT 412 for the concentration).

and four additional courses selected from:

- ACC 333. Income Taxation I (3)
 ACC 337. Cost Accounting (3)
 CIS 275. Microcomputers in Administration (3)
 CIS 372. Systems Development I (3)
 FIN 468. Seminar in Investment Analysis (3)
 FIN 484. Financial Forecasting (3)
 LAW 340. Law of Business Organizations (3)
 MGT 313. Human Resource Management (3)
 MGT 412. Small Business Management (3)
 MKT 355. Consumer Behavior (3)
 MKT 454. Marketing Research (3)
 QMS 424. Business Statistics II (3)
 QMS 425. Logistics Management (3)

INTERNATIONAL BUSINESS CONCENTRATION (18 units)

Required courses:

- POL 100. General Studies Political Science: World Perspectives (3)
 ACC 339. Accounting and Control in Multinational Companies (3)
 FIN 488. Multinational Financial Transactions (3)
 MGT 418. Seminar in Comparative Management Systems (3)
 MKT 358. International Marketing (3)

and one course selected from:

- ANT 335. Comparative Cultures (3)
 ECO 340. International Trade Theory (3)
 ECO 341. International Finance (3)
 POL 335. International Politics (3)
 POL 336. Theories of International Relations (3)

Competency in a foreign language is important for students pursuing this concentration and is, therefore, highly recommended. Foreign language courses may be used to fulfill General Studies requirements.

MANAGEMENT CONCENTRATION (15 units)

Required courses:

- MGT 313. Human Resource Management (3)
 MGT 316. Labor and Industrial Relations (3)
 MGT 412. Small Business Management (3)
 MGT 418. Seminar in Comparative Management Systems (3)

and one course selected from:

- PSY 372. Industrial and Organizational Psychology (3)
 SOC 315. Sociology of Work (3)

MARKETING CONCENTRATION (15-18 units - two tracks)

A. Track 1: General Emphasis

Required courses:

- MKT 355. Consumer Behavior (3)
- MKT 454. Marketing Research (3)
- MKT 459. Seminar in Marketing Management (3)+

and two courses selected from:

- MKT 351. Sales Management and Sales Techniques (3)
- MKT 352. Marketing Communications (3)
- MKT 353. Retail Marketing Management (3)
- MKT 358. International Marketing (3)

B. Track 2: Advertising Emphasis

Required courses:

- MKT 352. Marketing Communications (3)
- MKT 355. Consumer Behavior (3)
- MKT 454. Marketing Research (3)
- MKT 459. Seminar in Marketing Management (3)+
- COM 344. Advertising Media Analysis (3)

and one course selected from:

- COM 365. Introduction to Public Relations (3)
- COM 342. Advertising Copywriting (3)+

HUMAN RESOURCE ADMINISTRATION CONCENTRATION (15 units)

Required courses:

- MGT 313. Human Resource Management (3)
- MGT 316. Labor and Industrial Relations (3)
- MGT 418. Seminar in Comparative Management Systems (3)
- PUB 314. Wage and Salary Administration (3)

and one course selected from:

- LBR 411. Contracts and Negotiations (3)
- PUB 315. Labor-Management Relations in Government (3)

PRODUCTION AND OPERATIONS MANAGEMENT CONCENTRATION (15 units)

Required courses:

- ACC 337. Cost Accounting (3)
- QMS 424. Business Statistics II (3)
- QMS 425. Logistics Management (3)
- QMS 426. Production Planning and Control (3)

and one course selected from:

- CIS 275. Microcomputers in Administration (3)
- CIS 372. Systems Development I (3)
- MGT 417. Job Design and Quality of Worklife (3)

SMALL BUSINESS AND ENTREPRENEURSHIP CONCENTRATION (15 units)

Required courses:

- MGT 412. Small Business Management (3)
- BUS 491. Business Consulting Practicum (3)+

and three courses selected from:

- ACC 337. Cost Accounting (3)
- COM 365. Introduction to Public Relations (3)
- LAW 340. Law of Business Organizations (3)
- MKT 351. Sales Management and Sales Techniques (3)
- MKT 352. Marketing Communications (3)
- MKT 355. Consumer Behavior (3)

MINOR REQUIREMENTS

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 21 units in business administration is required in addition to 10 units in non-business lower division courses. (Students wishing to minor in business administration must meet with a counselor in the School of Management Undergraduate Advisement Center, SBS A-326 prior to enrolling in any business administration courses.)

Lower Division Requirements (16 units)

- ECO 210. Economic Theory 1A (Microeconomics) (3)
- ECO 211. Economic Theory 1B (Macroeconomics) (3)
- MAT 171. Survey of Calculus for Management and Life Science I (4)+
- ACC 230. Financial Accounting (3)
- CIS 270. Introduction to Computers & Data Processing (3)

Upper Division Requirements (15 units)

- CIS 370. Introduction to Business Information Systems (3)
- FIN 360. Business Finance (3)
- MGT 310. Principles of Management (3)
- MKT 350. Principles of Marketing (3) and

one additional upper division course in business administration chosen with the approval of the School of Management coordinator of undergraduate advisement.

MINOR IN BUSINESS INFORMATION SYSTEMS

The minor in business information systems offers students the opportunity to acquire skills and knowledge on the application side of computer systems. It thus provides an excellent complement to training in theoretical aspects of computer systems. A total of 9 lower division units and 15 upper division units comprise the minor.

Lower Division Requirements (9 units)

- CIS 275. Microcomputers in Administration (3)

Select one of the following courses:

- CIS 270. Introduction to Computers and Data Processing (3)
- CSC 111. Introduction to Computers and Basic Programming (3)
- CSC 121. Introduction to Computer Science and Programming I (3)

Select one of the following courses:

- CIS 272. Introduction to COBOL Programming (3)
- CSC 123. Introduction to Computer Science and Programming II (3)
- CSC 241. High Level Languages (3)

Upper Division Requirements (15 units)

- CIS 370. Introduction to Business Information Systems (3)
- CIS 372. Systems Development I (3)
- CIS 374. Systems Development II (3)
- CIS 473. Data Base Systems (3)
- CIS 475. Data Communications (3)

MAJOR REQUIREMENTS - MBA

Admission Requirements

All applicants to the M.B.A. program must submit a completed application for admission to graduate standing at CSU 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 M.B.A. program will be granted classified standing.

Admission requirements include the following:

1. a bachelor's degree from a fully accredited college or university.
2. good standing at the last institution attended.
3. a 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 2.75 undergraduate grade point average in the last 60 upper division semester units earned for the baccalaureate degree and a score 450 on the Graduate Management Admissions Test (GMAT).

Graduate students will be admitted to the M.B.A. 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 1,000 points, computed as follows:

GMAT score + (200 x upper division g.p.a., as defined above).

Regardless of the number of points earned on the basis of the formula, a minimum score of 450 on GMAT is required of all applicants. The GMAT is administered by Educational Testing Service (ETS) in Princeton, New Jersey, approximately four or five times each year at testing centers throughout the country, including this campus. Examination dates should be scheduled far enough in advance so the GMAT score can be submitted to the M.B.A. Office prior to the beginning of the semester for which application is made. For applications and additional information about GMAT and test dates, contact ETS in Princeton at (609) 883-8519 or the M.B.A. Office at (213) 516-3465, or the University Testing Office at (213) 516-3909.

Students must be admitted to the M.B.A. program before they may enroll in any 500-level M.B.A. courses. In addition, classified graduate students from other departments may, upon approval of the M.B.A. program coordinator, enroll in M.B.A. courses if those courses are an approved part of that department's graduation requirements.

All students who expect to have any Phase I coursework waived, must file a formal written petition no later than the 10th week of the first semester of residence. Coursework will be reviewed for currency and content. Credit will be granted by the MBA Program Office for Phase I work satisfactorily completed at other colleges or universities upon review and evaluation of the students written petition as outlined. Additionally, any undergraduate course used to satisfy a Phase I equivalent courses must have been completed with a grade of "C" or better, any graduate course with a grade of "B" or better from an institution whose credits are accepted by the Office of Admissions for transfer credit. In some cases, 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 through the credit-by-examination procedure as explained in the *University Catalog*. All Phase I and Phase II coursework, including transferred courses, must be completed within five-years.

+Consult course description for prerequisite(s).

Applicants who do not meet the criteria for admission to Phase II courses must complete Phase I courses. Transfer credit for Phase II course requirements is limited to 9 semester units (or 12 quarter units). Satisfactory completion is defined above. Students should consult the MBA Bulletin or the MBA Program Office for additional information or for clarification about policies and procedures.

Degree Requirements

Prerequisites

Completion of equivalent undergraduate courses in business administration accepted by the M.B.A. Program office, or*

Phase I (24 units)

Completion of all Phase I courses as follows:

- ACC 530. Financial Accounting (3)
- BUS 505. Social and Legal Environment of Business (3)
- CIS 571. Introduction to Information Systems (3)
- ECO 501. General Economic Theory (3)+
- FIN 561. Financial Management (3)
- MGT 510. Management and Organizational Theory (3)
- MKT 551. Marketing Concepts (3)
- QMS 521. Quantitative Methods I (3)

Phase II (30-36 units)

Phase II consists of 21 units of required core courses (A) and the selection of one of 2 concentration (B) or (C)

A. Core Courses (21 units)

- ACC 531. Managerial Accounting (3)
- BUS 590. Seminar in Business Policy (3)+
- FIN 563. Financial Decision Analysis (3)
- FIN 585. Seminar in International Business (3)
- MGT 513. Human Behavior in Organizations (3)
- MKT 552. Marketing Management Seminar (3)
- QMS 522. Production Operations (3)

B. General Management Concentration (9 units)

Required Courses

- FIN 583. Managerial Economics (3) and
- QMS 523. Quantitative Methods (3) and
- BUS 594. Independent Study in Business (3) or
- BUS 595. Selected Topics in Business (3)

OR

C. Computer Information Systems Concentration (15 units)

Required Courses (6 units)

- CIS 573. Microcomputer Software in Management (3)
- CIS 575. Management Information Systems and Data Base Concepts (3)

Electives (9 units)

- CIS 572. Legal Aspects of Computer Systems (3)
- CIS 576. Decision Support Systems and Modeling (3)
- CIS 577. Office Automation (3)
- CIS 578. EDP Auditing, Control and Security (3)
- CIS 579. Information Systems Policy and Resource Management (3)
- CIS 595. Advanced Topics in Management Systems (3)

Additional program requirements include the following:

1. A cumulative 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 semester, he or she has failed to earn a grade point average of 3.0 or higher for the work taken through that semester. During the subsequent probationary semester the student must achieve a grade point average sufficiently high to bring

*Applicants to the program who do not meet this requirement will have any previous business administration coursework taken at other colleges and universities evaluated on a course-by-course basis.

the 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 semester must meet with the M.B.A. coordinator as soon as grade reports are issued.

- All students admitted after Fall Quarter 1983 are required to satisfy a State of California Graduate Writing Proficiency requirement during the first semester of residence, or before completing 9 semester units of MBA 500 - Level coursework, which ever comes first.
- All Phase II coursework, including transfer courses, must be completed within five years.

COURSE OFFERINGS IN BUSINESS ADMINISTRATION

Courses in Accounting

Lower Division

ACC 230 FINANCIAL ACCOUNTING (3). *Prerequisites: Intermediate Algebra.* Topics covered will include concepts, recording transactions, adjustments, worksheets, cash receivables, inventories, plant and equipment, liabilities, partnerships, corporations, balance sheet, income statement, statement of changes in financial position. Three hours of lecture per week.

ACC 231 MANAGERIAL ACCOUNTING (3). *Prerequisite: ACC 230.* Topics covered will include objectives, concepts, job order and process costing, cost patterns, cost-volume-profit, contribution margin, profit planning, standard costs, flexible budgets, decentralized operation, product processing, relevant costs. Three hours of lecture per week.

Upper Division

ACC 330 INTERMEDIATE ACCOUNTING I (3). *Prerequisite: ACC 231.* Professional level accounting, conceptual framework, income statement, balance sheet, cash, short-term investments, receivables, inventories, fixed and intangible assets, depreciation, long-term investments, funds, other assets, present value. Three hours of lecture per week.

ACC 331 INTERMEDIATE ACCOUNTING II (3). *Prerequisite: ACC 330.* Professional level accounting, current and contingent liabilities, bonds and long-term notes, leases, pensions, capital stock, retained earnings, revenue recognition, income taxes, earnings per share, statement of changes in financial position, changing price levels. Three hours of lecture per week.

ACC 333 INCOME TAXATION I (3). *Prerequisite: ACC 231.* Federal income tax law as related to individuals and sole proprietorships. Three hours of lecture per week.

ACC 337 COST ACCOUNTING (3). *Prerequisite: ACC 231.* 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 decision-making. Three hours of lecture per week.

ACC 339 ACCOUNTING AND CONTROL IN MULTINATIONAL COMPANIES (3). *Prerequisite: ACC 231.* Study of comparative accounting systems, international accounting standards, currency translation and foreign exchange, transfer pricing, reporting, taxation, auditing and control problems. Three hours of lecture per week.

ACC 430 ADVANCED ACCOUNTING (3). *Prerequisite: ACC 331.* Concepts and principles of partnerships, home office and branch relationships, business combinations, accounting for multinational enterprises, consignments, installment sales, segments, and interim reports. Three hours of lecture per week.

ACC 431 GOVERNMENTAL AND NON-PROFIT ACCOUNTING (3). *Prerequisite: ACC 230.* Seminar in Accounting information for management control and financial reporting in the non-profit organization, including organizational relationships, control structure, pricing decisions, programming, budgeting, operating and accounting, reporting and analyzing performance, and system design and installation. Three hours of seminar per week.

ACC 433 INCOME TAXATION II (3). *Prerequisite: ACC 333.* Federal income tax law as related to partnerships, corporations, estates and trusts, and gift taxes. Three hours of lecture per week.

ACC 435 AUDITING (3). *Prerequisites: ACC 331, ACC 337 and QMS 321.* The audit environment, reports, professional ethics, liability, objectives, evidence and documentation, planning, analytical review, materiality and risk, internal control, attribute and variable sampling, EDP systems, transactions cycles, balance sheet and income statement accounts, unaudited statements, and special purpose reports. Three hours of lecture per week.

ACC 437 CONTROLLERSHIP (3). *Prerequisites: ACC 330, ACC 337.* An integrating course dealing with administrative problems of the accounting function; internal control system design and maintenance; relations with audit committee, CPA firm, and regulatory agencies pertaining to internal and external reporting. Three hours of lecture per week. Graduate Graduate classified standing in the M.B.A. program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

ACC 530 FINANCIAL ACCOUNTING (3). *Prerequisite: Intermediate Algebra.* Introduction to accounting theory and practice, including the recording, analyzing and summarizing procedures used in preparing balance sheets and operating statements. Three hours of lecture per week.

ACC 531 MANAGERIAL ACCOUNTING (3). *Prerequisite: ACC 530.* Cost concepts and cost behavior; cost-volume-profit analysis; relevant costs for management decisions; planning and control; product costing and cost allocation; capital budgeting. Lecture and discussion of problems and cases. Three hours of lecture per week.

Courses in Business

Upper Division

BUS 445 INTERNATIONAL BUSINESS (3). *Prerequisites: FIN 360, MGT 310 and MKT 350.* An introduction to international business with an emphasis on the additional risks, uncertainties and difficulties of business conducted across national boundaries; examines the financial, management, legal, accounting and marketing areas. Three hours of lecture per week.

BUS 490 MANAGEMENT POLICY SEMINAR (3). *Prerequisites: Senior status and completion of all business core courses; BUS 445, FIN 480, and QMS 423 may be taken concurrently (priority will be given to graduating seniors).* An integrating capstone course dealing with problems of business management; uses actual business cases for analysis and decision-making. Three hours of seminar per week.

BUS 491 BUSINESS CONSULTING PRACTICUM (3). *Prerequisite: Senior status and completion of all business core courses; BUS 445, FIN 480, and QMS 423 may be taken concurrently (priority will be given to graduating seniors).* Business capstone course offered in conjunction with Small Business Administration. Student teams participate in solution of actual business problems; field work required.

BUS 494 INDEPENDENT STUDY IN BUSINESS (3). *Prerequisite: Consent of the instructor and of the business administration advisement coordinator.* Independent research or other study under the direction of a full-time faculty member of the Business Administration Program.

BUS 495 SPECIAL TOPICS IN BUSINESS (3).* *Prerequisite:* *Consent of the instructor.* Advanced seminar on a topic of current interest to the discipline of business administration. Three hours of seminar per week.

BUS 496 BUSINESS ADMINISTRATION INTERNSHIP (3). *Prerequisite:* *Upper division status and consent of Internship Coordinator.* Under direction of the Internship Coordinator, students work in a business organization applying skills and knowledge learned in the classroom.

Graduate

Graduate classified standing in the M.B.A. program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

BUS 505 SOCIAL AND LEGAL ENVIRONMENT OF BUSINESS (3). A review of historical and current legal issues concerning government regulation of business, major laws regulating business, the role of business in society, and forces in society shaping the regulation of business. Three hours of seminar per week.

BUS 590 SEMINAR IN BUSINESS POLICY (3). *Prerequisite:* *Completion of all Phase II core courses or consent of MBA coordinator.* Administration of the firm from the perspective of top management; use of case method, readings, and simulation exercises. Course requires students to integrate various functional fields, thereby serving the purpose of a comprehensive final project. Three hours of seminar per week.

BUS 594 INDEPENDENT STUDY IN BUSINESS (3). *Prerequisites:* *Consent of the instructor and MBA program coordinator.* Independent research or special projects under the direction of a full-time faculty member of the master of business administration program.

BUS 595 SELECTED TOPICS IN BUSINESS (3).* *Prerequisite:* *CIS 370 or CIS 571.* A variable topics course in a functional area of business administration or of special interest to business management. New topics will be offered each term. Three hours of seminar per week.

BUS 600 GRADUATE CONTINUATION COURSE (0). *Prerequisite:* *Signature of graduate program coordinator required.* Graduate students who have completed their coursework but not their thesis, project or comprehensive examinations or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course.

Courses in Computer Information Systems

Lower Division

CIS 270 INTRODUCTION TO COMPUTERS AND DATA PROCESSING (3). *Prerequisite:* *Intermediate Algebra.* Introduction to computer systems with emphasis on the impact of computers and their use; elements of programming. Three hours of lecture per week.

CIS 272 INTRODUCTION TO COBOL PROGRAMMING (3). *Prerequisite:* *CIS 270 or CSC 111 or CSC 121 (may be taken concurrently).* Computer programming for business applications, using the international business programming language COBOL. Three hours of lecture per week.

CIS 275 MICROCOMPUTERS IN ADMINISTRATION (3). *Prerequisite:* *CIS 270 or CSC 111 or CSC 121 or be taken concurrently.* Survey and analysis of the use of microcomputers in the business environment. Consideration of hardware and software. Three hours of lecture per week.

Upper Division

CIS 370 INTRODUCTION TO BUSINESS INFORMATION SYSTEMS (3). *Prerequisite:* *CIS 270 or CSC 111 or CSC 121.* Fundamental underlying principles of management information systems; functional information systems (e.g., marketing, manufacturing, financial, and personnel information systems); information systems development, implementation and operation. Three hours of lecture per week.

CIS 371 ADVANCED COBOL PROGRAMMING (3). *Prerequisite:* *CIS 272.* Advanced applications of COBOL in the solutions of problems in business including accounting, management, finance, marketing, real estate, and economics. Three hours of lecture per week.

CIS 372 SYSTEMS DEVELOPMENT I (3). *Prerequisite:* *CIS 370 or equivalent background of courses.* Business computing systems, with emphasis on system analysis; tools and techniques of systems study; problem definition, data requirements, and analytical approaches. Three hours of lecture per week.

CIS 374 SYSTEMS DEVELOPMENT II (3). *Prerequisite:* *CIS 372.* Business computing systems, with emphasis on systems design; prediction and evaluation of system performance; management information systems and related systems; use of telecommunications in systems design. Three hours of lecture per week.

CIS 473 DATA BASE SYSTEMS (3). *Prerequisite:* *CIS 272 or CSC 123 or CSC 241 and CIS 372.* Concepts of data structures and data base processing; major approaches to design and implementation of data base applications; discussion of commercial systems. Three hours of lecture per week.

CIS 475 DATA COMMUNICATIONS (3). *Prerequisites:* *CIS 372 is required and CIS 374 is recommended.* History and trends of hardware/software for telecommunications; asynchronous and synchronous protocols; codes; case studies of current commercial applications; distributed processing; carriers, services and regulatory agencies; standards; error management; reliability; design and tuning of networks; security. Three hours of lecture per week.

CIS 478 DATA PROCESSING APPLICATIONS IN BUSINESS (3). *Prerequisite:* *CIS 374.* 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. Three hours of lecture per week.

CIS 496 INTERNSHIP IN COMPUTER INFORMATION SYSTEMS (3).* *Prerequisite:* *Upper division standing, a 3.0 or better GPA, two 400-level CIS courses and consent of the department chair.* A project-type course in computer information systems carried out on an independent basis, with the cooperation of an industrial or governmental concern that is active in the CIS field. Professional report describing project is required.

Graduate

Graduate classified standing in the M.B.A. program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

CIS 571 INTRODUCTION TO INFORMATION SYSTEMS (3). *Prerequisite:* *A prior course in data processing is recommended.* A survey of information systems, computer systems, programming concepts, systems analysis, decision systems and integrated systems. Three hours of lecture per week.

CIS 573 MICROCOMPUTER SOFTWARE IN MANAGEMENT (3). *Prerequisite:* *CIS 370 or CIS 571.* Survey and analysis of currently popular microcomputer business applications software for managers; hands-on experience in using contemporary software packages. Three hours of lecture per week.

*Repeatable course.

CIS 575 MANAGEMENT INFORMATION SYSTEMS AND DATA BASE CONCEPTS (3). *Prerequisite:* CIS 370 or CIS 571. The effect of information systems on management of an organization; the use of data base systems for information management. Three hours of lecture per week.

CIS 576 DECISION SUPPORT SYSTEMS AND MODELING (3). *Prerequisite:* CIS 370 or CIS 571. Principles of decision-making; quantitative modeling; analytic tools for decision analysis; implementation of decision support systems within the firm's management information system. Three hours of lecture per week.

CIS 577 OFFICE AUTOMATION (3). *Prerequisite:* CIS 370 or CIS 571. The interaction of word processing, data processing, distributed systems, local area networks and the entire communications process within the office setting. Three hours of lecture per week.

CIS 578 EDP AUDIT, CONTROL AND SECURITY (3). *Prerequisites:* CIS 370 or CIS 571. Survey of EDP auditing, control and security techniques; effects on systems development; analysis of automated auditing packages in current use; analysis of the efficacy of security techniques; the technology in various areas of need; automated funds transfers; societal impacts. Three hours of lecture per week.

CIS 595 ADVANCED TOPICS IN MANAGEMENT SYSTEMS (3). *Prerequisites:* CIS 370 or CIS 571. Special topics from modern computing developments of interest to managers; special emphasis will be given to topics not included in other course offerings. Three hours of seminar per week.

Courses in Finance

FIN 360 BUSINESS FINANCE (3). *Prerequisites:* ACC 230, ECO 210 and MAT 171. A survey of the decision framework for financial management; forecasting and planning, major investment and financing decisions, control and interaction with capital markets. Three hours of lecture per week.

FIN 382 FINANCIAL ANALYSIS I (3). *Prerequisite:* FIN 360. Readings and case studies in financial theory and practice relating to financial statement analysis, budgeting, working capital management; computer applications. Three hours of lecture per week.

FIN 467 REAL ESTATE FINANCE AND INVESTMENT (3). *Prerequisite:* FIN 360. Practical analysis of financial techniques and investment opportunities and procedures for real property; investigation of costs, returns, profitability, tax implications, depreciation, financial institutions, markets, instruments, agencies of real estate finance, uses of computerized analysis. Three hours of lecture per week.

FIN 468 SEMINAR IN INVESTMENT ANALYSIS (3). *Prerequisite:* FIN 360. Security analysis, valuation and portfolio management; emphasis on investment criteria, sources of information, types of financial investments. Three hours of seminar per week.

FIN 480 ECONOMICS OF THE FIRM (3). *Prerequisite:* ECO 210, ECO 211 and QMS 321. Applications of economic theory to management decisions; emphasis on analysis and quantitative techniques appropriate for solving forecasting, production, cost and pricing problems under various market conditions; computer applications when appropriate. Three hours of lecture per week.

FIN 481 FINANCIAL INSTITUTIONS MANAGEMENT (3). *Prerequisite:* FIN 360. Management of financial institutions, including principles, practices and procedures applicable to the operations of financial institutions; types of institutions and markets in capital formation. Three hours of lecture per week.

FIN 483 FINANCIAL ANALYSIS II (3). *Prerequisite:* FIN 382. Readings and case studies in financial theory and practice relating to investment decisions, mergers and acquisitions, multinational finance; computer applications. Three hours of lecture per week.

FIN 484 FINANCIAL FORECASTING (3). *Prerequisites:* FIN 360 and QMS 321. Techniques for estimation of sales, investment, working capital, inventories and labor requirements; naive forecasts, moving averages, exponential smoothing, regression techniques, and time series analysis. Three hours of lecture per week.

FIN 488 MULTINATIONAL FINANCIAL TRANSACTIONS (3). *Prerequisite:* FIN 360. Short term export and import financing, including the fundamentals of foreign exchange, commercial drafts, and letters of credit; international banking procedures, private and public sources, and problems of risk and security. Three hours of lecture per week.

Graduate

Graduate classified standing in the M.B.A. program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

FIN 561 FINANCIAL MANAGEMENT (3). *Prerequisites:* ACC 530 and ECO 501. An intensive survey of corporate financial decision-making; financial theory, tools and strategies are analyzed within a decision-making framework. Three hours of lecture per week.

FIN 563 FINANCIAL DECISION ANALYSIS (3). *Prerequisite:* FIN 561 or equivalent. Application of financial theories and practice to decision-making through the use of cases, problems, and readings. Three hours of lecture per week.

FIN 583 MANAGERIAL ECONOMICS (3). *Prerequisites:* ECO 501 and QMS 521. 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. Three hours of lecture per week.

FIN 585 SEMINAR IN INTERNATIONAL BUSINESS (3). *Prerequisites:* Completion of Phase I, FIN 563 and FIN 583. Examination of international business with emphasis on the additional risks, uncertainties and difficulties of business conducted across national boundaries. Three hours of seminar per week.

Courses in Law

Lower Division

LAW 240 LEGAL ASPECTS OF BUSINESS TRANSACTIONS (3). Analysis of the legal process; functions and operations within a federal system; contracts, sales, agency. Three hours of lecture per week.

Upper Division

LAW 340 LAW OF BUSINESS ORGANIZATIONS (3). *Prerequisite:* LAW 240. Legal consequences of selecting one form of business organization over another; analyses of the law of corporations, partnerships, and agencies; introduction to the law of commercial paper. Three hours of lecture per week.

Courses in Management

Upper Division

MGT 310 MANAGEMENT THEORY (3). Focuses on the management processes of planning, organizing, leading, and controlling; includes discussions of social and ethical issues in business; case studies and written reports. Three hours of lecture per week.

MGT 312 ORGANIZATIONAL BEHAVIOR (3). *Prerequisite:* MGT 310. Causes and consequences of individual and group behavior in business, organizational communications, interpersonal relations, and conflict resolution; cases and role-playing. Three hours of lecture per week.

MGT 313 HUMAN RESOURCE MANAGEMENT (3). *Prerequisite:* MGT 312. Current theory and practice of the personnel function in organizations. Includes job analysis, recruiting, selection, training and development, compensation and performance evaluation; utilizes case analysis and role-playing. Three hours of lecture per week.

MGT 316 LABOR AND INDUSTRIAL RELATIONS (3). *Prerequisite:* MGT 310. The Labor/Management process in private and public sector organizations; development of employee organizations; collective bargaining; contract administration; labor law, labor economics; the role of the NLRB and the FMCS; case analysis and role-playing. Three hours of lecture per week.

MGT 412 SMALL BUSINESS MANAGEMENT (3). *Prerequisites:* ACC 230, MGT 310 and MKT 350. Role of small business in America; project-oriented activities include establishing, financing and operating independent businesses; designed to develop entrepreneurial skills and insights into managing a small business. Three hours of lecture per week.

MGT 418 SEMINAR IN COMPARATIVE MANAGEMENT SYSTEMS (3). *Prerequisite:* MGT 312. Study of management processes such as planning, organizing, staffing, directing and controlling under conditions other than those found today in the United States; countries studied vary from year to year; case analysis and class projects. Three hours of seminar per week.

Graduate

Graduate classified standing in the M.B.A. program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

MGT 510 MANAGEMENT AND ORGANIZATIONAL THEORY (3). Survey of management and organizational theories and practices. Examination of the different schools of thought from classical to contemporary management; cases and research reports. Three hours of lecture per week.

MGT 513 HUMAN BEHAVIOR IN ORGANIZATIONS (3). *Prerequisite:* MGT 510. A systematic study of the dynamics of behavior in organizational settings at the individual, group and inter-group levels. Topics include motivation, problem solving, communication, decision-making, job design, organizational change and conflict resolution; cases, advanced readings and research. Three hours of lecture per week.

Courses in Marketing

Upper Division

MKT 350 PRINCIPLES OF MARKETING (3). *Prerequisites:* ECO 210. Survey of the marketing function, including the marketing environment and target markets; marketing strategy with emphasis on the marketing mix; social and ethical responsibilities of marketing. Three hours of lecture per week.

MKT 351 SALES MANAGEMENT AND SALES TECHNIQUES (3). *Prerequisites:* MGT 310 and MKT 350. Organizing, motivating and controlling the activities of the sales force. Developing the knowledge and skills of professional selling useful for accomplishing career objectives; cases and role playing required. Three hours of lecture per week.

MKT 352 MARKETING COMMUNICATIONS (3). *Prerequisite:* MKT 350. Management and coordination of advertising, marketing public relations, and sales promotion; case analysis and presentations. Three hours of lecture per week.

MKT 353 RETAIL MARKETING MANAGEMENT (3). *Prerequisites:* MGT 310 and MKT 350. Selecting store location, layout, merchandise goods assortments, and selling to target market, including sales growth through direct marketing, franchising and acquisition; cases and field research required. Three hours of lecture per week.

MKT 355 CONSUMER BEHAVIOR (3). *Prerequisite:* MKT 350. Consumer buying patterns, motivation, and search behavior; consumer decision-making process; interdisciplinary concepts from economics, sociology, psychology, cultural anthropology, and mass communications; case analysis and research projects. Three hours of lecture per week.

MKT 358 INTERNATIONAL MARKETING (3). *Prerequisite:* MKT 350. Analysis of international marketing problems including economic, social, cultural, technological, political, geographic and competitive forces; cases and projects. Three hours of lecture per week.

MKT 454 MARKETING RESEARCH (3). *Prerequisites:* MKT 350 and QMS 321. The marketing research process with an emphasis on cost versus value of information for decision-making: problem formulation, research design, sources of research data, measurement techniques and data collection, sampling techniques, data analysis, interpretation, and reporting; term research projects. Three hours of lecture per week.

MKT 459 SEMINAR IN MARKETING MANAGEMENT (3). *Prerequisites:* MKT 355, MKT 454 and at least one other course from the Marketing Concentration are required; FIN 360 and QMS 322 are recommended. Comprehensive analysis of marketing management problems, functions, and the decision-making process; emphasis on the case method as related to problems of product, price, distribution and promotion. Three hours of seminar per week.

Graduate

Graduate classified standing in the M.B.A. program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

MKT 551 MARKETING CONCEPTS (3). *Prerequisites:* ECO 501 and MAT 171 or equivalent. Analysis of marketing organizations and functions; development of operational skills in decisions relating to marketing strategy development, implementation and control; emphasis in areas of product, price, promotion, distribution; role of marketing within the context of society and business firms; social responsibility; and international marketing. Three hours of lecture per week.

MKT 552 MARKETING MANAGEMENT SEMINAR (3). *Prerequisite:* MKT 551 or equivalent. Strategies and techniques of marketing management; emphasis on decision-making as applied to product, design, distribution, pricing and promotion; analysis of current marketing issues; and international dimensions; case histories, problems, case analysis, and research projects required. Three hours of seminar per week.

Courses in Quantitative Methods

Upper Division

QMS 321 INTRODUCTION TO BUSINESS STATISTICS (3). *Prerequisite:* MAT 171. Theory of statistics and its applications in business decision-making. Topics include probability theory, probability applications, random sampling, estimation, hypothesis testing, regression and correlation. Three hours of lecture per week.

QMS 322 PRODUCTION MANAGEMENT (3). *Prerequisite:* QMS 321. Analysis of the management function in the production area with emphasis on computer applications and practical problem-solving. Includes international developments. Three hours of lecture per week.

QMS 423 INTRODUCTION TO OPERATIONS RESEARCH (3). *Prerequisite:* QMS 321. Use of deterministic, probabilistic, and computer-based methods in support of management decision-making, with emphasis on computer applications and practical problems. Three hours of lecture per week.

QMS 424 BUSINESS STATISTICS II (3). *Prerequisite:* QMS 321. Continuation of QMS 321: Business applications of additional statistical inference techniques, decision theory, and non-parametric statistics. Three hours of lecture per week.

QMS 425 LOGISTICS MANAGEMENT (3). *Prerequisite:* QMS 322. Management of logistic systems including the acquisition, movement, and storage of materials and the warehousing and distribution of finished goods. Three hours of lecture per week.

QMS 426 PRODUCTION PLANNING AND CONTROL (3). *Prerequisite: QMS 322.* Techniques and systems for planning, scheduling, and controlling production. Three hours of lecture per week.

Graduate

Graduate classified standing in the M.B.A. program or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

QMS 521 QUANTITATIVE METHODS I (3). *Prerequisite: MAT 171 or equivalent.* 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. Three hours of lecture per week.

QMS 522 PRODUCTION OPERATIONS (3). *Prerequisite: QMS 521.* Management of production, including both manufacturing and service operations, with emphasis on practical applications. Three hours of lecture per week.

QMS 523 QUANTITATIVE METHODS II (3). *Prerequisite: QMS 521 or equivalent.* Mathematical, statistical, and computer-based techniques used in business decision-making. Three hours of lecture per week.

QMS 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their course but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.

CHEMISTRY

BACHELOR OF SCIENCE
Chemistry

BACHELOR OF ARTS
Chemistry Option
Biochemistry Option

MINORS
Analytical Chemistry
Organic/Biochemistry
Physical Chemistry

SINGLE SUBJECT WAIVER PROGRAM
Physical Science (see entry under Science,
Mathematics and Technology)

FACULTY

Oliver Seely, Jr., Department Chair

Ulrich de la Camp, L. Danette Dobyns, Eugene Garcia, James Lyle, Solomon Marmor (Emeritus), Sofia Pappatheodorou, George Wiger, William Wilk

Virginia Knauss, Department Secretary
NSM B-202, (213) 516-3376

PROGRAM DESCRIPTION

The Chemistry Department offers majors leading to a bachelor of science or a bachelor of arts degree. The B.A. degree also has a Biochemistry Option. Three minors are offered to complement majors in other fields. The B.S. in chemistry, which is accredited by the American Chemical Society, is designed primarily for students who plan to enter graduate programs in chemistry or other closely related sciences. The B.A. in chemistry fulfills the need of those students who are pursuing premedical or pre dental programs as well as those who plan to enter fields such as business, environmental or patent law, where a background in chemistry can be of great utility.

FEATURES

The department is housed in well-equipped offices and laboratories on the third floor of the Natural Sciences and Mathematics Building. The faculty consists of eight full-time members who represent all the major areas of chemistry. Students generally benefit from the smaller class sizes and the individualized attention, which is seldom available at large universities. Students are introduced to modern instrumental techniques and are given many opportunities for "hands-on" experience.

ACADEMIC ADVISING

Students who are majoring in chemistry should be advised once each semester, prior to registration. Permanent records of advisement are kept in the department office.

PREPARATION

High school students should include two years of algebra, one year of geometry and a one-year course in chemistry in their high school preparation. A course in high school physics also is recommended. Students who enter without this preparation must expect to delay their graduation beyond the minimum time-period of four years.

Community college transfers should have completed one year of general chemistry, one year of calculus and one year of physics.



CAREER POSSIBILITIES

A major in chemistry either as a B.A. or B.S. will prepare students for graduate work in chemistry or biochemistry; teaching chemistry in secondary schools; employment with industry or government; entry into professional schools such as medicine or dentistry; or entry into law school with a view toward specialization in patent or environmental law.

STUDENT ORGANIZATIONS

Membership in the Science Society of CSU Dominguez Hills is open to all students. The Society encompasses all of the scientific disciplines and is also a Student Affiliate Chapter of the American Chemical Society. It was founded to serve the interests and concerns of science students and sponsors scientific, educational, professional and social activities. The American Chemical Society has commended the Science Society for the high quality of its activities and programs. Contact the Department of Chemistry for further information.

MAJOR REQUIREMENTS - BS (77 units)

All chemistry courses required for the majors in chemistry must be passed with a grade of "C" or better.

The Department of Chemistry is Accredited by the American Chemical Society and students graduating with the B.S. degree will receive the certificate of the Society.

Single Field Major, no minor required**Lower Division Requirements (38 units)**

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- CHE 220. Computational Methods in Chemistry (2)
- CHE 230. Quantitative Analysis (4)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- MAT 211. Calculus III (4)
- PHY 130. General Physics I (5)
- PHY 132. General Physics II (5)

Upper Division Requirements (39 units)

- CHE 310. Organic Chemistry I (4)
- CHE 311. Organic Chemistry Lab I (1)
- CHE 312. Organic Chemistry II (3)
- CHE 313. Organic Chemistry Lab II (2)
- CHE 320. Physical Chemistry I (4)
- CHE 322. Physical Chemistry II (4)
- CHE 431. Advanced Integrated Lab I (3)
- CHE 433. Advanced Integrated Lab II (3)
- CHE 440. Inorganic Chemistry (4)
- CHE 450. Biochemistry I (4)
- CHE 451. Biochemistry Lab I (1)
- CHE 460. Chemical Literature and Technical Report Writing (3)
- PHY 333. Analog Electronics (3)

MAJOR REQUIREMENTS - BA**CHEMISTRY OPTION (62 units)****Lower Division Requirements (34 units)**

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- CHE 220. Computational Methods in Chemistry (2)
- CHE 230. Quantitative Analysis (4)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- PHY 130. General Physics I (5)
- PHY 132. General Physics II (5)

Upper Division Requirements (28 units)

- CHE 310. Organic Chemistry I (4)
- CHE 311. Organic Chemistry Lab I (1)
- CHE 312. Organic Chemistry II (3)
- CHE 313. Organic Chemistry Lab II (2)
- CHE 320. Physical Chemistry I (4)
- CHE 322. Physical Chemistry II (4)
- CHE 431. Advanced Integrated Lab I (3)
- CHE 440. Inorganic Chemistry (4)
- CHE 460. Chemical Literature and Technical Report Writing (3)

BIOCHEMISTRY OPTION (63-65 units)**Lower Division Requirements (32-34 units)**

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- CHE 220. Computational Methods in Chemistry (2)
- CHE 230. Quantitative Analysis (4)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- PHY 130. General Physics I (5) and
- PHY 132. General Physics II (5) or
- PHY 120. Elements of Physics I (4) and
- PHY 122. Elements of Physics II (4)

Upper Division Requirements (31 units)

- CHE 310. Organic Chemistry I (4)
- CHE 311. Organic Chemistry Lab I (1)
- CHE 312. Organic Chemistry II (3)
- CHE 313. Organic Chemistry Lab II (2)
- CHE 320. Physical Chemistry I (4)
- CHE 450. Biochemistry I (4)
- CHE 451. Biochemistry Lab I (1)
- CHE 452. Biochemistry II (4)
- CHE 453. Biochemistry Lab II (2)
- CHE 458. Toxicology (3)
- CHE 460. Chemical Literature and Technical Report Writing (3)

MINOR REQUIREMENTS

All Chemistry courses required for the minors in chemistry must be passed with a grade of C or better.

ORGANIC/BIOCHEMISTRY OPTION (29 units)**Lower Division Requirements (14 units)**

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- CHE 230. Quantitative Analysis (4)

Upper Division Requirements (15 units)

- CHE 310. Organic Chemistry I (4) and
- CHE 311. Organic Chemistry Lab I (1) and
- CHE 312. Organic Chemistry II (3) and
- CHE 313. Organic Chemistry Lab II (2)
- CHE 450. Biochemistry I (4)
- CHE 451. Biochemistry Lab I (1)

All biological science majors who have used CHE 310 and CHE 311 to fulfill requirements for their major must take either:

- CHE 452. Biochemistry II (4) and
- CHE 453. Biochemistry Lab II (2)

OR

- CHE 456. Clinical Chemistry (4) and
- CHE 458. Toxicology (3)

ANALYTICAL CHEMISTRY OPTION (42-44 units)**Lower Division Requirements (32-34 units)**

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- CHE 220. Computational Methods in Chemistry (2)
- CHE 230. Quantitative Analysis (4)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- PHY 120. Elements of Physics I (4) and
- PHY 122. Elements of Physics II (4) or
- PHY 130. General Physics I (5) and
- PHY 132. General Physics II (5)

Upper Division Requirements (10 units)

- CHE 320. Physical Chemistry I (4)
- CHE 431. Advanced Integrated Lab I (3)
- CHE 433. Advanced Integrated Lab II (3)

PHYSICAL CHEMISTRY OPTION (48 units)**Lower Division Requirements (34 units)**

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- CHE 220. Computational Methods in Chemistry (2)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- MAT 211. Calculus III (4)
- PHY 130. General Physics I (5)
- PHY 132. General Physics II (5)

Upper Division Requirements (14 units)

- MAT 311. Differential Equations (3) or
- MAT 331. Linear Algebra (3)
- CHE 320. Physical Chemistry I (4)
- CHE 322. Physical Chemistry II (4)
- CHE 460. Chemical Literature and Technical Report Writing (3)

COURSE OFFERINGS IN CHEMISTRY**Lower Division**

CHE 102 CHEMISTRY FOR THE CITIZEN (3). A non-mathematical treatment of the basic principles of chemistry and their application to various facets of life in a highly technological society. Three hours of lecture per week.

CHE 108 INTRODUCTION TO COLLEGE CHEMISTRY (5). Measurements, units, unit conversion, scientific notation, chemical stoichiometry, mole concept, structure of atoms and molecules. CR/NC grading. Three hours of lecture and six hours of laboratory per week.

CHE 110 GENERAL CHEMISTRY I (5). *Prerequisites:* CHE 108 or high school chemistry and satisfactory performance on the *General Chemistry Placement test*. Chemical stoichiometry, atomic structure, periodic table, quantum theory, gases, thermochemistry, ionic bonding, Lewis formulas, liquids, solids, solutions. Four hours of lecture and three hours of laboratory per week.

CHE 112 GENERAL CHEMISTRY II (5). *Prerequisite:* CHE 110. Chemical kinetics, equilibria, thermodynamics, acids and bases, solubility, electrochemistry, covalent bonding, transition metal complexes. Four hours of lecture and three hours of laboratory per week.

CHE 220 COMPUTATIONAL METHODS FOR CHEMISTRY (2). *Prerequisite:* MAT 191. Develops computational methods and mathematical tools employed in chemistry. Topics include curve fitting, numerical integration and statistical treatment of experimental data. In order to implement these techniques on a computer, students will be introduced to BASIC. Two hours of lecture per week.

CHE 230 QUANTITATIVE ANALYSIS (4). *Prerequisite:* CHE 112. Introduction to the techniques and theory of gravimetric and volumetric analyses, colorimetry, flame photometry and electroanalytical procedures. Two hours of lecture and six hours of laboratory per week.

Upper Division

CHE 300 ORGANIC CHEMISTRY I (3). (Summer only.) *Prerequisites:* CHE 112 or 1 year of general chemistry. A detailed study of organic molecular structure, reaction mechanisms stereochemistry, and synthesis with emphasis on a aliphatic and aromatic systems. Three hours of lecture per week.

CHE 301 ORGANIC CHEMISTRY LABORATORY I (1). (Summer only.) *Prerequisites:* CHE 112 or 1 year of general chemistry; concurrent enrollment in CHE 300. Basic experimental techniques of organic chemistry. Three hours of laboratory per week.

CHE 302 ORGANIC CHEMISTRY II (3). (Summer only.) *Prerequisites:* CHE 300 and CHE 301. Continuation of CHE 300 with emphasis on the chemistry of organic compounds containing oxygen and nitrogen. Three hours of lecture per week.

CHE 303 ORGANIC LABORATORY II (1). (Summer only.) *Prerequisites:* CHE 112 or 1 year of general chemistry; concurrent enrollment in CHE 302. Preparation of organic compounds and qualitative organic analysis. Three hours of laboratory per week.

CHE 310 ORGANIC CHEMISTRY I (4). *Prerequisites:* CHE 112; concurrent enrollment in CHE 311. Systematic study of organic compounds, with emphasis on molecular structure and reaction mechanisms; stereochemistry; aliphatic compounds. Four hours of lecture per week.

CHE 311 ORGANIC CHEMISTRY LABORATORY I (1). *Prerequisite:* Concurrent enrollment in CHE 310. Techniques of separation and purification of organic compounds. Introduction to organic synthesis. Three hours of laboratory per week.

CHE 312 ORGANIC CHEMISTRY II (3). *Prerequisite:* CHE 310, CHE 311; concurrent enrollment in CHE 313. A continuation of CHE 310 with emphasis on aromatic systems. Introduction to spectroscopy. Structures and reactions of organic compounds containing oxygen and nitrogen. Three hours of lecture per week.

CHE 313 ORGANIC CHEMISTRY LABORATORY II (2). *Prerequisite:* CHE 310, CHE 311; concurrent enrollment in CHE 312. Organic synthesis, introduction to spectroscopy. Qualitative organic analysis. Six hours of laboratory per week.

CHE 316 INTRODUCTORY ORGANIC CHEMISTRY (3). *Prerequisite:* CHE 112 and concurrent enrollment in CHE 317. Structure and properties of aliphatic and aromatic compounds. Stereochemistry and functional group chemistry. Oriented toward life sciences and related areas. Three hours of lecture per week.

CHE 317 INTRODUCTORY ORGANIC CHEMISTRY LABORATORY (1). *Co-requisite:* CHE 316. Basic purification processes and techniques of separation of mixtures. Preparation of organic compounds. Introduction to qualitative and quantitative analytical methods, including chemical, chromatographic, and spectroscopic procedures. Three hours of laboratory per week.

CHE 320 PHYSICAL CHEMISTRY I (4). *Prerequisites:* CHE 112, CHE 220 and CHE 230; MAT 193; PHY 132. PHY 122 may be substituted for PHY 132 by students in the biochemistry option and by non-chemistry majors, with consent of instructor. Principles and applications of classical thermodynamics and chemical kinetics. Introduction to computer based techniques of treating scientific data. Four hours of lecture per week.

CHE 322 PHYSICAL CHEMISTRY II (4). *Prerequisite:* CHE 320. Introduction to group theory, quantum chemistry, spectroscopy and statistical thermodynamics. Four hours of lecture per week.

CHE 393 SUPERVISED LABORATORY PROJECTS (1-3).* *Prerequisites:* CHE 112 and consent of instructor. Laboratory projects to be carried out under the supervision of a chemistry faculty member. Designed for students of sophomore and junior standing. CR/NC grading. Three to nine hours of laboratory per week.

CHE 431 ADVANCED INTEGRATED LABORATORY I (3). *Prerequisites:* CHE 220, CHE 230, and CHE 320. Experimental work involving instrumental analytical techniques, inorganic syntheses, physical measurements on chemical systems. Analysis of experimental data, including the use of computer techniques. One hour of lecture and six hours of laboratory per week.

CHE 433 ADVANCED INTEGRATED LABORATORY II (3). *Prerequisites:* CHE 431, and CHE 322. A continuation of CHE 431. One hour of lecture and six hours of laboratory per week.

CHE 440 INORGANIC CHEMISTRY (4). *Prerequisite:* CHE 322. Structural inorganic chemistry, coordination compounds, mechanisms of inorganic reactions, inorganic synthetic methods. Organometallic chemistry, catalysis. Four hours of lecture per week.

CHE 450 BIOCHEMISTRY I (4). *Prerequisites:* CHE 230, CHE 312 and CHE 313, or CHE 316 and CHE 317, and concurrent enrollment in CHE 451. The chemistry of amino acids and proteins; the chemistry and metabolism of carbohydrates and lipids; energetics in living systems. Four hours of lecture per week.

CHE 451 BIOCHEMISTRY LABORATORY I (1). *Prerequisites:* CHE 230, CHE 312, and CHE 313, or CHE 316 and CHE 317, and concurrent enrollment in CHE 450. Biochemistry laboratory experiments using advanced techniques for separation and analysis of biologically active compounds. Three hours of laboratory per week.

CHE 452 BIOCHEMISTRY II (4). *Prerequisite:* CHE 450. Metabolism of nitrogenous compounds, discussion of nucleic acid structure/function and metabolic control. Four hours of lecture per week.

CHE 453 BIOCHEMISTRY LABORATORY II (2). *Prerequisites:* CHE 451 and concurrent enrollment in CHE 452. Biochemistry experiments using advanced techniques for the isolation and purification of macromolecules, and for determination of their activity or function. Six hours of laboratory per week.

CHE 456 CLINICAL CHEMISTRY (4). *Prerequisites:* CHE 450 and CHE 451. Methods of analysis of body fluids and tissues. Relation of analytical results to interpretation of metabolism and diagnosis of disease. Three hours of lecture and three hours of laboratory per week.

CHE 458 TOXICOLOGY (3). *Prerequisites:* CHE 450 is required; CHE 452 is recommended. Discussion of methods of introduction of toxic substances into the body, their metabolic transformations, and their biochemical and physiological effects. Examples drawn from forensic, clinical, occupational, and environmental sources. Three hours of lecture per week.

CHE 460 CHEMICAL LITERATURE AND TECHNICAL REPORT WRITING (3). *Prerequisites:* CHE 312 and CHE 320. Chemical literature, including the nature, content, and accessibility. Development of advanced writing skills with an emphasis on scientific report writing. CR/NC grading. Three hours of lecture per week.

CHE 474 GEOCHEMISTRY (3). *Prerequisites:* CHE 112 is required; EAR 356 is recommended. Factors controlling the distribution of the chemical elements in the earth, atmosphere and oceans. Methods in the analysis of minerals. Special consideration of economically important metals. Applications in earth sciences, chemistry, and environmental studies. Two hours of lecture and three hours of laboratory per week.

CHE 495 SELECTED TOPICS IN CHEMISTRY (1-3).* *Prerequisite:* Consent of instructor. Lectures on a specific area of current interest in chemistry, or advanced discussion of a selected topic in a limited field of chemistry. One to three hours of lecture per week.

CHE 497 DIRECTED RESEARCH (1-3).* *Prerequisites:* Senior standing and consent of instructor. Advanced laboratory work, with each student undertaking an independent and original investigation. CR/NC grading. Three or nine hours of laboratory per week.

*Repeatable course.

CLINICAL SCIENCE

BACHELOR OF SCIENCE

- Cytotechnology Option
- Medical Technology Option
- Nuclear Medicine Technology Option
- *Human Cytogenetic Technology Option

MINOR

- Medical Technology

CERTIFICATE

- Clinical Science-Medical Technology
- *Human Cytogenetic Technology Option

MASTER OF SCIENCE

- Bioanalysis Option
- Clinical Science Management Option
- Cytotechnology Option
- Education Option
- Immunohematology Option
- Medical Technology Option
- Nuclear Medicine Option
- *Human Cytogenetic Technology Option

*To be added, contact department chair for program requirements

FACULTY

James L. Welch, Department Chair

Cathy Beamer-Bradshaw, Kathleen McEnerney,

Department Office
SHC E-111, (213) 516-3748

Regular and clinical adjunct faculty teach in the programs. This provides a good balance and mix of expertise. Each possesses the appropriate terminal degree, professional certification and clinical experience. Many of the faculty are nationally recognized leaders in their field. In addition to the program's excellent faculty, the clinical affiliates provide state-of-the-art technology and instrumentation.

ADJUNCT FACULTY

(see Faculty section of this catalog)

PROGRAM DESCRIPTION

Undergraduate

The rapid expansion of basic medical information, methodology and technology in recent years has increased the demand for highly trained professional personnel in the clinical and research laboratories. The training of such specialists as medical technologists, nuclear medicine technologists and cytotechnologists is all within the broad scope of the field of clinical science.

The bachelor of science degree in clinical science is designed to provide baccalaureate level didactic and clinical practicum in the clinical science professions. A strong clinical base is combined with a science base within the liberal arts and sciences focus of the University. Course work dealing with automation, management, new laws affecting laboratory and health care services, and ethics of patient care is encompassed within the curriculum leading to professional certification. Graduates of the program, upon passage of the appropriate certification examination(s), are considered to be health professionals armed with the skills and knowledge necessary to meet current and future standards of quality laboratory and health care services practice.

Three options are currently offered: Cytotechnology, Medical Technology and Nuclear Medicine Technology. The clinical, fourth year, is offered under the supervision of university faculty, in



affiliation with an approved, accredited health care facility equipped to provide the clinical lectures and laboratory components of the program.

Graduate

For currently certified health professionals, the master of science in Clinical Science affords an opportunity to perform graduate work that substantially augments their professional certification and leads to the acquisition of new knowledge and job skills. These students, in addition to taking the common core of courses, will select from the following options: Education, Bioanalysis and Clinical Science Management.

For those who have a substantial clinical science undergraduate record, but do not have the appropriate training and certification, the master of science in Clinical Science provides this academic and clinical route to professional, certification. This is accomplished through the Clinical Options. These options: Cytotechnology, Medical Technology, Nuclear Medicine Technology and Immunohematology are composed of a twelve-month clinical year. During this time, students are enrolled at the University but attend lectures and rotate through the laboratory practice at the assigned clinical site. Students earn 12 semester units of credit from the lecture courses that apply to their selected option in the graduate program. Registration in all clinical courses in a given option may be necessary for the applicant to be eligible to sit for the national certification examination(s).

FEATURES

Accreditation: Each program (option) is accredited by the recognized national accrediting agency for that field. Thus, graduates are eligible to take the national certification and state licensure examination(s) appropriate for the option.

CSU Dominguez Hills offers one of the few four-year curricula culminating with the baccalaureate degree with eligibility to take the professional certifying examinations. Programs at other institutions most commonly are not accredited and require five years to complete.

ACADEMIC ADVISEMENT

Students applying to the University are encouraged to meet with an advisor from the department at the time of application. Upon admission, an advisor is assigned to each student and is considered the "approved" advisor. All subsequent references to "advisor" refer to the assigned and approved advisor. Students are expected to work closely with their advisor. This usually means an intensive advising session prior to the beginning of each semester. Students in their clinical year usually meet weekly with an assigned education coordinator or liaison. Students in the clinical year meet each semester with the Committee for Clinical Laboratory Experience (CCLE) to assess progress.

PREPARATION

Undergraduate

High school students are encouraged to take chemistry, biology and physics in addition to English, a foreign language, fine arts and computer science courses.

Transfer students should contact their counseling office or the CSU Dominguez Hills' Clinical Science Office to identify appropriate lower-division major/minor preparatory courses. Courses in general and quantitative chemistry, anatomy and physiology, microbiology, physics, general biology and mathematics are recommended.

CAREER POSSIBILITIES FOR THE CLINICAL OPTIONS

Graduates of the program are considered clinical scientists in their specialization. They find positions in a variety of settings including university medical centers, acute care facilities, private clinics, hospitals, doctor's offices, research facilities, government institutions and in industry both in the United States and abroad.

In addition to practicing their profession, many clinical scientists find rewarding opportunities in administration, research and teaching.

Health careers show one of the highest rates of employment in recent studies on the success of placing graduates of The California State University System.

CSU Dominguez Hills' graduates in the clinical sciences in full-time professional positions for which they are trained has been even higher. Ninety to 100 percent of our graduates find professional employment in their chosen field. Many have job offers well before they graduate.

Cytotechnologists are skilled in examining human cellular material in search of abnormalities that are the warning signs of cancer. They perform a variety of diagnostic and research procedures in the cytology laboratory including basic cytologic examinations, staining and processing tissue specimens which have been removed by non-invasive techniques, surgery or fine needle aspiration. Advanced techniques include the use of the electron and immunofluorescent microscopy, cytogenetics and medical photography. The cytotechnologist is capable of developing a differential diagnosis based upon cellular evidence in conjunction with pertinent cognitive knowledge and other clinical data.

Immunohematologists are certified specialists in blood banking. As such, they frequently are employed in reference laboratories such as the National American Red Cross. Unsolvability or difficult transfusion cases are sent to the immunohematologist for a work-up and consultation. Certified specialists in blood banking may use the initials MT(ASCP)SBB after their name.

Medical Technologists perform or supervise the performance of clinical laboratory testing in the general and specialized areas of clinical biochemistry, hematology, medical microbiology, immunohematology, immunology, serology and clinical microscopy. Data collected is correlated to pathophysiology and used by health professionals in the diagnosis, treatment and prevention of disease. Historically, CSU Dominguez Hills' graduates from this option have scored in the upper one third of all examinees taking the national registry examination(s).

Nuclear Medicine Technologists receive, position and attend to patients; abstract pertinent data from patients' records; make dose calculations for in-vivo studies; and operate sophisticated scanning devices used for measuring radionuclides. They have responsibility for the disposal of radioactive waste and the safe use and storage of radioactive materials. The skills of the nuclear medicine technologists complement those of the nuclear medicine physician and other professionals in the field.

CAREER POSSIBILITIES FOR GRADUATES FROM THE BIOANALYSIS, EDUCATION AND CLINICAL SCIENCE MANAGEMENT OPTIONS

Graduates of the program are considered **clinical scientists** in their specialization. They find positions in a variety of settings including university medical centers, acute care facilities, private clinics, hospitals, doctor's offices, research facilities, government institutions and in industry both in the United States and abroad. In addition to practicing their profession, many clinical scientists find rewarding opportunities in administration, research and teaching.

Bioanalysts licensed by the state of California may direct their own clinical laboratory. In addition, the American Board of Bioanalysis certifies bioanalyst supervisors and directors. Bioanalysts also find positions with government agencies and large reference laboratories.

Education option students are eligible for a community college instructor teaching credential issued by the state of California. They may find positions at the community college or university level. However, many continue to teach and/or work as education coordinators with hospital based training programs.

Clinical Science Management graduates find management positions at the departmental and higher administrative levels. They are eligible for certification in supervision by the National Certifying Agency and the American Board of Bioanalysis. This option has also been approved by the Board of Registry of the American Society of Clinical Pathologists as meeting the

academic requirements for the Diplomate in Laboratory Management.

STUDENT ORGANIZATIONS

All clinical science majors and other interested students are encouraged to join and become active in the Clinical Science Club, which include activities such as visitations to clinical affiliates, the Forensic Laboratory, and sponsoring guest speakers of noted expertise. The club also sponsors social events. For application and other information, contact the club president or advisor by calling the department.

SPECIAL ADMISSION CRITERIA AND POLICIES FOR CLINICAL OPTIONS

Two application procedures are required for students pursuing clinical year placement.

Admission to the clinical science major is contingent upon admission to the University. However, admission to the University does not constitute admission to the clinical year or option.

Applications to the clinical year are handled through the department and are accepted from October 1 through 31 for the following July class and from March 1 through 31 for the following January class, in the case of medical technology.

For the clinical training options, i.e. Cytotechnology, Medical Technology, Nuclear Medicine Technology and Immunohematology, special admission requirements and policies apply.

Because clinical facilities used in each of these options have a limited number of positions, a limited number of students are admitted to a given option. In addition, clinical year positions may not be available to foreign student visa holders or students not proficient in English. For any clinical year, there may be more qualified applicants than can be accommodated, thereby designating the program as 'impacted'.

Applicants for clinical placement must have been fully admitted to the University and must have been in residence for two semesters prior to the beginning of the clinical year, successful applicants must have completed all graduation requirements with the exception of clinical year.

From among the applicants for a clinical option, the Committee for Clinical Laboratory Experience (CCLE) will determine those applicants who are accepted into the clinical year on the basis of the following Supplemental Admission Criteria:

- Academic success as reflected by:
 - GPA in required "pre-clinical course work" (minimum 3.00 on a 4.00 scale).
 - Desirable "pattern" of academic performance (i.e., consistency and/or improvement);
 - Completion of the General Studies Requirements.
- Evaluation by the Committee for Clinical Laboratory Experience of the student's potential to succeed in the program and the profession (appearance, attitude, interest, enthusiasm, poise, motivation, expectations, career planning, maturity, social understanding and involvement, flexibility, and stability).
- Physical, professional and emotional fitness for the demands of the job as verified by a physician and three letters of recommendation. At least one of these letters should 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 teaching for the pre-clinical coursework at CSU, Dominguez Hills. Recommendations should address recent activities.
- Completion of two semesters in residence prior to beginning the clinical training.
- Clarity of expression (oral and written) and relevant extracurricular activity (e.g. active member or officer of a social club, Clinical Science Club, etc.) as revealed by an extemporaneous essay and in the application form.

- Have no felony convictions.
- Other factors that will be considered, but which will not guarantee selection are: prior qualified application, efforts to seek psycho-social balance in the program, and veteran status.

The CCLE is composed of three university faculty and two adjunct faculty from each clinical facility. One or more oral interviews will be required on campus and/or at the facilities.

The department chair will notify the applicant of the admission decision in consultation with the Committee for Clinical Laboratory Experience (CCLE). Once an applicant has been admitted to the clinical year, the department chair, in consultation with the officials of the affiliated program, determine to which affiliate the student will be admitted. Student preference is considered as one factor in the decision. In order to retain admission status, students must communicate their intention to the department chair, in writing, within 15 working days following notification of admission. Final placement assumes continued eligibility under supplementary and basic admission criteria. In some cases the CCLE may require additional course work or performance levels prior to placement. Failure to satisfy such requirements may disqualify the student from entering the clinical year. Medical Technology applicants not accepted into the clinical year may meet degree requirements in another major and complete a minor in Medical Technology. The minor may lead to licensure as a Clinical Laboratory Technologist Trainee. Licensed trainees may apply for clinical at unaffiliated programs. Alternate degree objectives should be determined after consultation with an advisor to avoid loss of credit or time.

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 Committee for Clinical Laboratory Experience at the clinical affiliate. The committee also considers disciplinary cases. Continued lack of progress, in the opinion of the committee (and with the approval of the department chair) may result in Administrative or Academic Dismissal from the program.

Transportation

Students will be required to furnish their own transportation to and from the clinical facility and in those pre-clinical courses that require field trips.

Uniforms

Uniforms or laboratory coats are required in the clinical year and for most pre-clinical courses. This is the responsibility of the student.

Health Insurance

Student health and accident insurance is required during the clinical year. It is the responsibility of the student to secure acceptable insurance and present evidence of health insurance before entering the clinical year. For additional information, contact the Student Health Center or the affiliate.

Malpractice Insurance

Student malpractice insurance is required during the clinical year. It is the responsibility of the student to secure acceptable malpractice insurance and present evidence of such before entering the clinical year. For additional information, contact your Education Coordinator or the department office.

Trainee License

For medical technology only, students must obtain a California Clinical Laboratory Technologist Trainee's license before entering the clinical year.

Physical Examination

Successful applicants will be required to obtain a physical examination. Additional information on these procedures may be obtained by contacting the department. The physical examination may be done by the student's family physician or, for a

nominal fee, at the Student Health Center. An appointment is advised well in advance of the beginning of the clinical year.

GENERAL OBJECTIVES FOR THE CLINICAL OPTIONS

The goal of each of the programs, in addition to preparing clinical practitioners, is to produce clinical scientists who can research, develop, evaluate and implement laboratory procedures utilizing a high degree of independent judgement and to consult where appropriate with other members of the health care team. More specifically, students will be able to do the following upon completion of the clinical option as evaluated by the faculty:

1. Acquire and demonstrate knowledge of testing procedures and methodologies including the theoretical basis, applications and limitations of procedures in each area of the laboratory;
2. Perform and evaluate testing procedures with proficiency and accuracy in each area of the laboratory;
3. Calculate and interpret test results from laboratory data including statistical analysis for quality assurance;
4. Correlate laboratory findings with the pathophysiology of the patient;
5. Evaluate common laboratory problems and identify suitable solutions related to equipment malfunctions, unacceptable patient specimens, quality assurance, laboratory safety, management and testing in each area of the laboratory;
6. Display professionalism in personal conduct, membership in professional organizations and participation in continuing education activities; and
7. Demonstrate concern for quality patient care and participate as a member of the health care team.

MAJOR REQUIREMENTS - BS

The major consists of 48 units in the core plus additional pre-clinical specialty courses for the option and the clinical year courses. The B.S. requires 126-132 units including the General Studies requirements.

Single Field Major - no minor required

Common Core Requirements for all Clinical Science majors (48 units)

Lower Division Requirements (31 units)

- CLS 201. Health Care Professions (3)
- BIO 210. Principles of Biology I (4)
- BIO 212. Principles of Biology II (4)
- BIO 250. Elements of Human Anatomy and Physiology (3)
- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- CHE 230. Quantitative Analysis (4)
- MAT 131. Elementary Statistics and Probability (3)

Upper Division Requirements (17 units)

- CLS 301. Introduction to Clinical Laboratory Procedures (2)*
- CLS 306. Clinical Immunology and Immunohematology (4)*
- BIO 324. Microbiology (3)
- CHE 316. Introductory Organic Chemistry (3)
- CHE 317. Introductory Organic Chemistry Laboratory (1)
- CHE 450. Biochemistry I (4)

MEDICAL TECHNOLOGY OPTION (96-98 units)

A. Completion of Common Core Requirements (48 units)

B. Pre-Clinical Courses (22 units)

Lower Division Requirements (4 units)

- PHY 207. Physics with Clinical Science Applications (4)*

Upper Division Requirements (18 units)

- CLS 302. Clinical Practice (2)*
- CLS 307. Clinical Hematology (3)*
- BIO 425. Medical Microbiology (5)*
- BIO 458. Human Parasitology (3)*
- CHE 451. Biochemistry Laboratory I (1)
- CHE 456. Clinical Chemistry (4)*

C. Clinical Year: Laboratories (14-16 units)

- CLS 430. Clinical Microbiology Laboratory (3 or 4)
- CLS 431. Clinical Chemistry Laboratory (3 or 4)
- CLS 432. Clinical Hematology/Urinalysis Laboratory (4)
- CLS 433. Clinical Immunohematology/Serology Laboratory (3)
- CLS 434. Clinical Special Procedures Laboratory (1)

D. Clinical Year: Lectures (12 units)

- CLS 440. Correlations in Clinical Microbiology (2)
- CLS 441. Correlations in Clinical Chemistry (2)
- CLS 442. Correlations in Clinical Hematology/Urinalysis (2)
- CLS 443. Correlations in Clinical Immunohematology/Serology (2)
- CLS 491. Management Skills in the Clinical Sciences (2)
- CLS 492. Research Methods and Applications (2)

NUCLEAR MEDICINE TECHNOLOGY OPTION (97-98 units)

A. Completion of Common Core Requirements (48 units)

B. Pre-Clinical Courses (22 units)

Lower Division Requirements (15 units)

- CSC 111. Introduction to Computers and BASIC Programming (3)
- MAT 171. Survey of Calculus for Management and Life Sciences I (4)
- PHY 120. Elements of Physics I (4)
- PHY 122. Elements of Physics II (4)

Upper Division Requirements (7 units)

- CLS 303. Radiation Science (3)*
- CLS 305. Radiation Biology and Protection (1)*
- CLS 308. Principles of Pathology (2)*
- CLS 309. Pathology Laboratory (1)*

C. Clinical Year: Laboratories (15-16 units)

- CLS 410. Nuclear Medicine Laboratory: Imaging Techniques (5 or 6)
- CLS 411. Nuclear Medicine Laboratory: Radiopharmacy and Radioassay (4)
- CLS 412. Nuclear Medicine Laboratory: Instrumentation and In-Vivo Techniques (4)
- CLS 413. Nuclear Medicine Laboratory: Special Studies (2)

D. Clinical Year: Lectures (12 units)

- CLS 420. Correlations in Nuclear Medicine: Imaging Techniques (3)
- CLS 421. Correlations in Nuclear Medicine: Radiopharmacy and Radioassay (2)
- CLS 422. Correlations in Nuclear Medicine: Instrumentation and In-Vivo Techniques (2)
- CLS 423. Correlations in Nuclear Medicine: Special Studies (1)

*Designated "pre-clinical" courses from which clinical year eligibility is evaluated. They must have been taken from an accredited college or university in the United States within five years.

- CLS 491. Management Skills in the Clinical Sciences (2)
 CLS 492. Research Methods and Applications (2)

CYTOTECHNOLOGY OPTION (88 units)

A. Completion of Common Core Requirements (48 units)

B. Pre-Clinical Courses (12 units)

- CLS 307. Clinical Hematology (3)*
 CLS 308. Principles of Pathology (2)*
 CLS 309. Pathology Laboratory (1)*
 BIO 320. Cell Biology (3)*
 BIO 422. Histology (3)*

C. Clinical Year: Laboratories (16 units)

- CLS 450. Microscopy: Female Genital Tract (4)
 CLS 451. Microscopy: Respiratory and Gastrointestinal Tract (2)
 CLS 452. Microscopy: Genitourinary Tract and Body Cavity Fluids (2)
 CLS 453. Microscopy: Fine Needle Aspirations (2)
 CLS 454. Microscopy: Systems Overview (4)
 CLS 455. Cytologic Preparation (2)

D. Clinical Year: Lectures (12 units)

- CLS 460. General Cytology, Cytogenetics, Cytology of the Female Genital Tract (3)
 CLS 461. Cytology of the Respiratory and Gastrointestinal Tracts (2)
 CLS 462. Cytology of the Genitourinary System and Body Cavity Fluids (2)
 CLS 463. Fine Needle Aspiration Cytology (1)
 CLS 491. Management Skills in the Clinical Sciences (2)
 CLS 492. Research Methods and Applications (2)

MINOR REQUIREMENTS (66 units)

The Medical Technology minor often is combined with the Microbiology Option under the B.A. in Biology.

Lower Division Requirements (29 units)

- BIO 210. Principles of Biology I (4)
 BIO 212. Principles of Biology II (4)
 BIO 250. Elements of Human Anatomy and Physiology (3)
 CHE 110. General Chemistry I (5)
 CHE 112. General Chemistry II (5)
 CHE 230. Quantitative Analysis (4)
 PHY 207. Physics with Clinical Science Applications (4)

Upper Division Requirements (33 units)

- BIO 324. Microbiology (3)
 BIO 425. Medical Microbiology (5)
 CHE 316. Introductory Organic Chemistry (3)
 CHE 317. Introductory Organic Chemistry Laboratory (1)
 CHE 450. Biochemistry I (4)
 CHE 451. Biochemistry Laboratory I (1)
 CHE 456. Clinical Chemistry (4)
 CLS 301. Introduction to Clinical Laboratory Procedures (2)
 CLS 302. Clinical Practice (2)
 CLS 306. Clinical Immunology and Immunohematology (4)
 CLS 307. Clinical Hematology (3)
 CLS 490. Seminar in Clinical Sciences (1)

CERTIFICATE REQUIREMENTS

CERTIFICATE PROGRAM IN CLINICAL SCIENCE - MEDICAL TECHNOLOGY (28 units)

The Certificate in Clinical Science - Medical Technology is awarded upon satisfactory completion of clinical training as a California Licensed Clinical Laboratory Technologist Trainee in an affiliated clinical facility. Awardees are eligible to sit for the state licensure examination for Clinical Laboratory Technologists and to sit for the National Registry Examination(s).

The following courses are required to complete clinical training and receive the certificate:

- CLS 430. Clinical Microbiology Laboratory (4)
 CLS 431. Clinical Chemistry Laboratory (4)
 CLS 432. Clinical Hematology/Urinalysis Laboratory (4)
 CLS 433. Clinical Immunohematology/Serology Laboratory (3)
 CLS 434. Clinical Special Procedures Laboratory (1)
 CLS 440. Correlations in Clinical Microbiology (2)
 CLS 441. Correlations in Clinical Chemistry (2)
 CLS 442. Correlations in Clinical Hematology/Urinalysis (2)
 CLS 443. Correlations in Clinical Immunohematology/Serology (2)
 CLS 491. Management Skills in the Clinical Sciences (2)
 CLS 492. Research Methods and Applications (2)

MAJOR REQUIREMENTS - MS

Admission Procedures

Students must submit an application to the University for admission (or readmission) with graduate standing and official transcripts of all previous college work in accordance with the procedures outlined in the Admissions section of the University Catalog. If the student is currently enrolled as a post-baccalaureate student, he/she must obtain a Change of Student Status form from the Office of Admissions or Graduate Studies Office and submit it to the coordinator of the program. Students are encouraged to seek advising before applying for admission. Admission is to a specific option. Some options have additional admission requirements.

Admission Requirements

To be admitted into the master's program in Clinical Science, students must:

1. have an earned bachelor's degree in clinical science or in a closely related field with a grade point average of at least a 2.5 in the last 60 semester units,
2. have completed coursework equivalent to the CSU Dominguez Hills baccalaureate degree in Clinical Science,
3. meet all other University admission requirements. If the applicant is deficient in specific coursework or grades, he/she may be admitted conditionally upon approval of the department's graduate admissions committee with favorable letters of recommendation from employers,
4. hold current certification in one of the allied health care disciplines recognized by the department. (Contact the Department of Clinical Sciences for a current list of the accepted disciplines.),
5. score 550 or above on the Test of English as a Foreign Language (TOEFL), for an applicant for which English is a second language.
6. meet the specific requirements for the option in which the student wishes to study for the master's degree (see requirements listed for the options). Admission is to an option and

anyone wishing to change options must fulfill the requirements of the option into which they wish to transfer.

Alternate Admission Criteria for Graduates of Non-Accredited Institutions or Graduates with Non-Equivalent Baccalaureate Degrees.

When considering an application for admission to the master of science in Clinical Science program from an applicant who has received a baccalaureate degree from a non-accredited institution or when the baccalaureate is not normally considered equivalent by local standards, the following alternate admission criteria apply.

The applicant must:

1. possess state licensure and/or national certification in a health profession. Contact the Department of Clinical Sciences for a current list of acceptable fields;
2. have at least two years of work experience in the United States in one of the health professional fields subsequent to licensure/certification. Contact the Department of Clinical Sciences for a current list of acceptable fields;
3. submit three letters of recommendation. One must be from the current or most recent supervisor. The letters must confirm the applicant's "equivalent" abilities. The letters should support to a significant degree that the applicant's abilities are equivalent to a co-worker who has graduated from a recognized degree program; and
4. be interviewed and the application approved by the Department's Alternate Admissions Committee. This committee shall consist of two faculty from the Department of Clinical Sciences, one member of the appropriate advisory committee and one faculty member from another department in the school; and
5. complete specific courses recommended by the committee (minimum of 12 semester units), which will make up deficiencies and/or assure success at the graduate level. These courses must be upper division and completed with a minimum 3.0 grade point average. During this time, the student's status will be undergraduate. These courses may not be used to satisfy the requirements for the master's degree.

Upon completion of the supplemental requirements listed above and all other admission requirements, the applicant may be granted conditionally classified graduate standing in the master of science in Clinical Science degree program.

Limited Access/Professional Clinical Options: Admission Requirements

Bioanalysis

Applicant must possess national certification as a Medical Technologist and/or California licensure as a Clinical Laboratory Technologist and have a baccalaureate equivalent to the CSU Dominguez Hills bachelor of science degree in clinical science with the medical technology option.

Cytotechnology

Applicant must have completed coursework equivalent to the pre-clinical cytotechnology option in clinical science at CSU Dominguez Hills and be accepted for clinical training at an affiliated cytotechnology training program.

Medical Technology

Applicant must have completed coursework equivalent to the pre-clinical medical technology option in clinical science at CSU Dominguez Hills, possess a California license as clinical laboratory technologist trainee, and be accepted for clinical training at an affiliated medical technology training program.

Nuclear Medicine Technology

Applicant must have completed coursework equivalent to the pre-clinical nuclear medicine technology option in clinical science

at CSU Dominguez Hills and be accepted for clinical training at an affiliated nuclear medicine technology training program.

Immunohematology

Applicant must hold a current California license as a clinical laboratory technologist, have a baccalaureate equivalent to the CSU Dominguez Hills bachelor of science in clinical science degree with the medical technology option, and be accepted for clinical training at an affiliated SBB training program.

Classified Standing

By the end of the second semester after admission to the university, and before the accumulation of 15 units of coursework, the student must submit an application for classified standing. To receive classified standing, the student must have:

1. selected a graduate advisor;
2. received approval of the capstone project and program of coursework;
3. maintained a grade point average (GPA) of 3.0 or better in all coursework taken at CSU Dominguez Hills; and
4. completed the Graduate Writing Assessment requirement.

Advancement to Candidacy

The student must submit an application for Advancement to Candidacy when she/he has:

1. received classified standing;
2. completed a minimum of 12 units including the following core courses:
 - CLS 501. Clinical Sciences: Team Concept (3)
 - CLS 502. Management Concepts in the Clinical Sciences (3)
 - CLS 503. Clinical Diagnosis (3)
 - CLS 504. Data Collection and Processing (3)
 - CLS 505. Statistical Analysis and Research (3)
3. maintained a grade point average (GPA) of 3.0 or better in all courses taken in the graduate program; and
4. selected a Capstone Advisory Committee with the assistance of his/her advisor.

Graduation Writing Assessment Requirement

All graduate students entering the University in the fall of 1983 and thereafter are required to satisfy the Graduation Writing Assessment requirement in accordance with the established policies of the University. Students must satisfy the requirement before being Advanced to Candidacy. (See Graduate Writing Assessment section of this catalog.)

Degree Requirements (30 units minimum)

The master of science in clinical science degree requires completion of a minimum of thirty (30 units) selected from the following listing. All students must take the core courses (17 units minimum) and one of the seven options. Additional units may be taken as necessary from the elective list or from courses offered in options other than the student's own option. Students must meet the particular prerequisites for all courses.

A. Common Core Requirements (17-22 units)

- CLS 501. Clinical Sciences: Team Concept (3)
- CLS 502. Management Concepts in the Clinical Sciences (3)
- CLS 503. Clinical Diagnosis (3)
- CLS 504. Data Collection and Processing (3)
- CLS 505. Statistical Analysis and Research (3)
- CLS 590. Graduate Seminar (1)

The student in consultation with an approved advisor will select a Graduate Capstone Activity (thesis, project or comprehensive examination) to be completed after satisfying the core and option requirements.

- CLS 599. Graduate Capstone Activity (1-3)

B. Options

Choose one of the following options (NOTE: students are advised that there are restrictions in those options designated by an asterisk "*", consult an approved advisor or the department chair.)

Clinical Science Management Option (12 units)

- CLS 520. Clinical Sciences: Delivery and Case Study (3)
- CLS 521. Medical Personnel (3)
- CLS 522. Advanced Data Collection, Processing and Reporting (3)
- CLS 523. Health Care Financing and Planning (3)

Bioanalysis Option* (12 units)

- CLS 530. Clinical Microbiology (3)
- CLS 531. Biochemical Correlations of Clinical Tests (3)
- CLS 532. Interpretive Hematology (3)
- CLS 533. Component and Transfusion Therapy (3)

Cytotechnology Option* (12 units)

- CLS 460. General Cytology, Cytogenetics, Cytology of the Female Genital Tract (3)
- CLS 461. Cytology of the Respiratory and Gastrointestinal Tracts (2)
- CLS 462. Cytology of the Genitourinary System and Body Cavity Fluids (2)
- CLS 463. Fine Needle Aspiration Cytology (1)
- CLS 491. Management Skills in the Clinical Sciences (2)
- CLS 492. Research Methods and Applications (2)

Medical Technology Option* (12 units)

- CLS 440. Correlations in Clinical Microbiology (2)
- CLS 441. Correlations in Clinical Chemistry (2)
- CLS 442. Correlations in Clinical Hematology/Urinalysis (2)
- CLS 491. Management Skills in the Clinical Sciences (2)
- CLS 492. Research Methods and Applications (2)

Nuclear Medicine Technology Option* (12 units)

- CLS 420. Correlations in Nuclear Medicine: Imaging Techniques (3)
- CLS 421. Correlations in Nuclear Medicine: Radiopharmacy and Radioassay (2)
- CLS 422. Correlations in Nuclear Medicine: Instrumentation and In-Vivo Technique (2)
- CLS 423. Correlations in Nuclear Medicine: Special Studies (1)
- CLS 491. Management Skills in the Clinical Sciences (2)
- CLS 492. Research Methods and Applications (2)

Immunohematology Option* (12 units)

- CLS 580. Immunohematology and Blood Transfusion (4)
- CLS 597. Immunohematology Tutorial (8)

Education Option (12 units)

- TED 402. Motivation and Learning (3)
- GED 505. Evaluation and Program Monitoring in Education (3)
- GED 509. Teaching Methods and Materials for the Clinical Sciences (3)
- CLS 594. Independent Study: Teaching in the Clinical Sciences (3)

C. Electives (as needed or recommended to total a minimum of 30 semester units)

A minimum of thirty semester units are required for the master of science in clinical science degree. Courses may be selected from the other options, providing the prerequisites are met, or they may be selected from the following list:

- BIO 523. Electron Microscopy (3)
- BIO 570. Advances in Human Neurobiology and Behavior (2)
- BIO 580. Biology of Aging (3)

CLS 594. Independent Study in Clinical Sciences (1-3)

Recommended Electives for Education Option Students

- GED 511. Seminar in Instructional Technology (3)
- GED 535. Introduction to Computers in Education (3)
- GED 536. Preparing Computer Assisted Instruction (3)
- GED 537. Programming Computer Assisted Instruction (3)

NOTE: Electives must be selected in advance of enrollment and with the approval of the department.

D. Capstone Activity: Thesis, Project, Comprehensive Examination

A student may elect to do clinical research and writing of a thesis or select an individualized project culminating in a significant written report to satisfy the CLS 599 Graduate Capstone Activity requirement for the master's degree. The topic of the research or the individualized project must be approved and supervised by a graduate advisor assigned by the department

OR

Candidates may elect to take the comprehensive examination to satisfy the CLS 599 requirement. This must be done within one semester of completing all other graduation requirements.

COURSE OFFERINGS IN CLINICAL SCIENCE**Lower Division**

CLS 201 HEALTH CARE PROFESSIONS (3). *Prerequisites:* CHE 110 and BIO 210. Examination of health care delivery: past, present and future. Relationship between the environment, culture and economy. Overview of health human resources requirements; training and function. In-depth analysis of future trends. Student projects, oral and written. (Meets the requirement for the General Studies Whole Person category for Clinical Science majors only.) Three hours of lecture per week.

Upper Division

CLS 301 INTRODUCTION TO CLINICAL LABORATORY PROCEDURES (2). *Prerequisites:* BIO 250, CHE 110, CHE 112 and CLS 201. Demonstration and practice of specialized techniques used in the clinical setting. Theory of arterial, capillary and venipuncture including complications. Processing body fluids. Review of state/federal laws, biohazards and quality assurance. Two hours of lecture per week.

CLS 302 CLINICAL PRACTICE (2). *Prerequisites:* BIO 250 and CLS 301 or concurrent enrollment. Practice in clinical laboratory techniques: phlebotomy; serum, plasma and whole blood preparation for testing; body fluid techniques. Minimum 75 hours at a clinical affiliate under University Faculty supervision. Written report(s).

CLS 303 RADIATION SCIENCE (3). *Prerequisites:* MAT 171 and CLS 201. Overview of radiation science: history, radiation physics, instrumentation, protection and safety. Applications to clinical procedures utilizing radionuclides. Problem solving. Three hours of lecture per week.

CLS 305 RADIATION BIOLOGY AND PROTECTION (1). *Prerequisites:* MAT 171, PHY 120 and PHY 122. Modes of radioactive decay, photon radiation, interaction of radiation with matter, biologic effects of radiation, decontamination techniques, government regulations. Problem solving. Report writing. One hour of lecture per week.

*This is a clinical option. Applicant must have completed appropriate preclinical coursework. (See Department for specific requirements before applying.)

CLS 306 CLINICAL IMMUNOLOGY AND IMMUNOHEMATOLOGY (4). *Prerequisites:* BIO 250, CLS 301 and CHE 450. Theory and practice of serologic techniques; nature of antigens, antibodies and the immune response. Genetics of red cell antigens. Pre-natal, neonatal, and pre-transfusion testing. Cause, investigation and prevention of HDNB. Compatibility testing and investigation of transfusion reactions. Case studies. Written reports. Three hours of lecture and three hours of laboratory per week.

CLS 307 CLINICAL HEMATOLOGY (3). *Prerequisites:* BIO 250, CLS 301 and CLS 302. Hematopoiesis. Enumeration and identification of blood cells. Coagulation and hemostasis. Theory and application of hematology procedures. Emphasis on detection of abnormalities. Demonstration of special equipment and techniques. Case studies. Written reports. Two hours of lecture and three hours of laboratory per week.

CLS 308 PRINCIPLES OF PATHOLOGY (2). *Prerequisite:* Satisfactory completion of all lower division coursework. Principles of clinical pathophysiology, including a review of appropriate clinical data necessary for diagnosis. Two hours of lecture per week.

CLS 309 PATHOLOGY LABORATORY (1). *Prerequisite:* CLS 308 or concurrent enrollment. Laboratory exercises and demonstrations devoted to the identification of pathologic agents in humans. Three hours of laboratory per week.

CLS 410 NUCLEAR MEDICINE LABORATORY: IMAGING TECHNIQUES (5,6). *Prerequisite:* Admission to the clinical year. Use of nuclear medicine equipment in a clinical setting to visualize organs, determine function of organs and organ systems.

CLS 411 NUCLEAR MEDICINE LABORATORY: RADIOPHARMACY AND RADIOASSAY (4). *Prerequisite:* Admission to the clinical year. Preparation of radionuclides for administration in diagnostic testing including radiochemical purity, quantitative assay and sterility. Radioassay techniques: calibration and use of instruments, specimen collection. Quality assurance.

CLS 412 NUCLEAR MEDICINE LABORATORY: INSTRUMENTATION AND IN-VIVO TECHNIQUES (4). *Prerequisite:* Admission to the clinical year. Performance of procedures utilizing radionuclides for in-vivo studies. Instrument calibration, preventive maintenance. Computer applications.

CLS 413 NUCLEAR MEDICINE LABORATORY: SPECIAL STUDIES (2).* *Prerequisite:* Admission to the clinical year. Practicum in special studies of interest related to nuclear medicine. Project. Written report.

CLS 420 CORRELATIONS IN NUCLEAR MEDICINE: IMAGING TECHNIQUES (3). *Prerequisite:* Admission to the clinical year. Principles of stationary and moving imaging with correlations to pathophysiology in human organs and systems. Three hours of lecture per week.

CLS 421 CORRELATIONS IN NUCLEAR MEDICINE: RADIOPHARMACY AND RADIOASSAY (2). *Prerequisite:* Admission to the clinical year. Theory of radiopharmaceutical applications; radionuclides, dose calibration. Principles of saturation analysis and competitive protein binding, correlations of biochemistry, pathophysiology, radioassay techniques, principles and applications to individual techniques. Quality assurance. Two hours of lecture per week.

CLS 422 CORRELATIONS IN NUCLEAR MEDICINE: INSTRUMENTATION AND IN-VIVO TECHNIQUES (2). *Prerequisite:* Admission to the clinical year. Instrumentation including Geiger-Mueller tubes, rectilinear scanners, scintillation spectrometers and gamma cameras. In-vivo techniques including Schilling test, blood volume, time dependent studies, erythrokinetics, gastrointestinal loss studies. Two hours of lecture per week.

CLS 423 CORRELATIONS IN NUCLEAR MEDICINE: SPECIAL STUDIES (1).* *Prerequisite:* Admission to the clinical year. Special studies including ultrasound, radiotherapy and nuclear magnetic resonance. One hour of lecture per week.

CLS 430 CLINICAL MICROBIOLOGY LABORATORY (3, 4). *Prerequisite:* Admission to the clinical year. Techniques and practice in medical microbiology including parasitology, mycology, and bacteriology at a clinical affiliate.

CLS 431 CLINICAL CHEMISTRY LABORATORY (3, 4). *Prerequisite:* Admission to the clinical year. Techniques and practice in chemistry at a clinical affiliate.

CLS 432 CLINICAL HEMATOLOGY/URINALYSIS LABORATORY (4). *Prerequisite:* Admission to the clinical year. Techniques and practice in hematology and urinalysis at a clinical affiliate.

CLS 433 CLINICAL IMMUNOHEMATOLOGY/SEROLOGY LABORATORY (3). *Prerequisite:* Admission to the clinical year. Techniques and practice in serology, immunology and blood banking at a clinical affiliate.

CLS 434 CLINICAL SPECIAL PROCEDURES LABORATORY (1).* *Prerequisite:* Admission to the clinical year. Techniques and practice in special procedures at a clinical affiliate.

CLS 440 CORRELATIONS IN CLINICAL MICROBIOLOGY (2). *Prerequisite:* Admission to the clinical year. Theory and correlations of pathophysiology in medical microbiology including mycology, parasitology and bacteriology. Two hours of lecture per week.

CLS 441 CORRELATIONS IN CLINICAL CHEMISTRY (2). *Prerequisite:* Admission to the clinical year. Theory and practical aspects correlating clinical chemistry with pathophysiology. Two hours of lecture per week.

CLS 442 CORRELATIONS IN CLINICAL HEMATOLOGY/URINALYSIS (2). *Prerequisite:* Admission to the clinical year. Theory and practical applications correlating hematology and urinalysis to pathophysiology. Two hours of lecture per week.

CLS 443 CORRELATIONS IN CLINICAL IMMUNOHEMATOLOGY/SEROLOGY (2). *Prerequisite:* Admission to the clinical year. Theory and practical applications correlating serology, immunology and blood banking to pathophysiology. Two hours of lecture per week.

CLS 450 MICROSCOPY: FEMALE GENITAL TRACT (4). *Prerequisite:* Admission to the clinical year in cytotechnology. Microscopic examination of cytologic and histologic material of benign and malignant disease processes from the female genital tract, including microbiology, hormonal effects and response to therapy.

CLS 451 MICROSCOPY: RESPIRATORY AND GASTROINTESTINAL TRACTS (2). *Prerequisite:* Admission to the clinical year in cytotechnology. Microscopic examination of cytologic and histologic material of benign and malignant disease processes from the respiratory and gastrointestinal tracts.

CLS 452 MICROSCOPY: GENITOURINARY SYSTEM AND BODY CAVITY FLUIDS (2). *Prerequisite:* Admission to the clinical year in cytotechnology. Microscopic examination of cytologic and histologic material of benign and malignant disease processes of the genitourinary system and body cavity fluids.

CLS 453 MICROSCOPY: FINE NEEDLE ASPIRATIONS (2). *Prerequisite:* Admission to the clinical year in cytotechnology. Microscopic examination of cytologic and histologic material of benign and malignant disease processes in aspirated material.

CLS 454 MICROSCOPY: SYSTEMS OVERVIEW (4). *Prerequisite:* Admission to the clinical year in cytotechnology. Cytologic examination of gynecologic and non-gynecologic material from all body sites for diagnostic purposes.

CLS 455 CYTOLOGIC PREPARATION (2). *Prerequisite:* Admission to the clinical year in cytotechnology. Current methods of processing and staining material for cytologic study. Techniques utilized in obtaining non-gynecologic material for cytologic evaluation.

*Repeatable course.

CLS 460 GENERAL CYTOLOGY, CYTOGENETICS, CYTOLOGY OF THE FEMALE GENITAL TRACT (3). *Prerequisite:* Admission to the clinical year in cytotechnology. General cytology, cytogenetics, and electron microscopy. Basic principles of pathology and cytology as they apply to malignancy. Anatomy, histology, pathology and cytopathology of the female genital tract, including microbiology, hormonal effects and response to therapy. Three hours of lecture per week.

CLS 461 CYTOLOGY OF THE RESPIRATORY AND GASTROINTESTINAL TRACTS (2). *Prerequisite:* Admission to the clinical year in cytotechnology. Normal and abnormal cytology of the respiratory and gastrointestinal tracts with emphasis on anatomical and histological pathology. Two hours of lecture per week.

CLS 462 CYTOLOGY OF THE GENITOURINARY SYSTEM AND BODY CAVITY FLUIDS (2). *Prerequisite:* Admission to the clinical year in cytotechnology. Normal and abnormal cytology of the genitourinary system and body cavity fluids with emphasis on anatomical and histological pathology. Two hours of lecture per week.

CLS 463 FINE NEEDLE ASPIRATION CYTOLOGY (1). *Prerequisite:* Admission to the clinical year in cytotechnology. Normal and abnormal aspiration cytology of the major organs with emphasis on anatomical and histological pathologies. One hour of lecture per week.

CLS 490 SEMINAR IN CLINICAL SCIENCES (1). *Prerequisites:* CLS 201, CLS 306 and CLS 307 or concurrent enrollment. Presentation and discussion of pertinent topics from clinical science trade journals. Written and oral presentations. One hour of seminar per week.

CLS 491 MANAGEMENT SKILLS IN THE CLINICAL SCIENCES (2). *Prerequisite:* Admission to the clinical year. Presentation and discussion of current concepts and trends in the administration and management of the clinical science laboratory. Educational/instructional methodologies. Student projects, written and oral. (CLS 491 plus 492 meets the General Studies requirement for upper division integrative studies in the Natural Sciences for Clinical Science majors only.) Two hours of lecture per week.

CLS 492 RESEARCH METHODS AND APPLICATIONS (2). *Prerequisite:* Admission to the clinical year. Review of research methods with applications to the clinical setting. Student projects including setting-up a new method and test evaluation. Oral and written presentations by students. Written presentations to be in form suitable for publication. (CLS 491 plus 492 meets the General Studies requirement for upper division integrative studies in the Natural Sciences for Clinical Sciences majors only.) Two hours of lecture per week.

CLS 494 INDEPENDENT STUDY IN CLINICAL SCIENCES (1-3). *Prerequisites:* Consent of instructor and department chair. In-depth study of a clinical science topic under supervision of a Clinical Science faculty member. Requires independent study contract.

CLS 497 DIRECTED STUDY IN CLINICAL SCIENCES (1-3). *Prerequisites:* Consent of instructor and department chair. Project study. Selected topic of student interest in the clinical sciences. Requires directed study contract.

Graduate

Graduate standing or consent of the department chair is prerequisite to enrollment in graduate (500) level courses.

CLS 501 CLINICAL SCIENCES: TEAM CONCEPT (3). *Prerequisite:* CLS 201. Analysis of the current status and problems in health care delivery including management, staffing and health economics; development of a realistic model. Role of allied health professionals in health care delivery; scientific medicine vs. holistic health; prevention and health education. Co-ordination of the clinical sciences into an effective health care team. Three hours of lecture per week.

CLS 502 MANAGEMENT CONCEPTS IN THE CLINICAL SCIENCES (3). *Prerequisite:* CLS 201. Managerial function, organization, and structure. A pragmatic approach to the strategies and tactics available to the professional manager. Special projects in work sampling, workload recording and time management for health care professionals. Three hours of lecture per week.

CLS 503 CLINICAL DIAGNOSIS (3). By use of case studies, interpretation of clinical data, correlation of history and physical to diagnosis, treatment and follow-up protocols. Student case study investigation. Two hours of lecture and two hours of activity per week.

CLS 504 DATA COLLECTION AND PROCESSING (3). *Prerequisite:* CSC 111 or equivalent. Collection, storage and retrieval of data, with emphasis on clinical applications. Modern information systems and evaluation of such systems from the clinical science management view point. Two hours of lecture and two hours of activity per week.

CLS 505 STATISTICAL ANALYSIS AND RESEARCH (3). *Prerequisite:* MAT 131. Application of statistical analysis in the clinical and health sciences, including normal and binomial distribution, t-tests, chi square tests, analysis of variance, linear regression and correlation. One hour of lecture and four hours of activity per week.

CLS 520 CLINICAL SCIENCES: DELIVERY AND CASE STUDY (3). *Prerequisites:* CLS 501, 503, 505 or consent of instructor. Socio-economics and statistics of health care, including and welfare programs, and other areas that affect the management of the modern health care facility. Hospital law. Two hours of lecture and two hours of activity per week.

CLS 521 MEDICAL PERSONNEL (3). *Prerequisite:* CLS 501 or consent of instructor. Personnel administration in health care institutions, theory of individual and group dynamics including, cross-cultural influences, organizational burnout, developing assertive verbal skills, delegation and stress management. Three hours of lecture per week.

CLS 522 ADVANCED DATA COLLECTION, PROCESSING AND REPORTING (3). *Prerequisite:* CLS 504. Advanced computer programming for clinical data, interfacing data transmission. Programming as applied to clinical data. Data collection and instrument control. One hour of lecture and four hours of activity per week.

CLS 523 HEALTH CARE FINANCING AND PLANNING (3). *Prerequisite:* CLS 501 and CLS 505 or consent of instructor. 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. Product line cost accounting, mergers and acquisitions, fundamentals of third-party coverage and payment systems, reimbursement of health care systems, joint ventures, and setting standards. Three hours of lecture per week.

CLS 530 CLINICAL MICROBIOLOGY (3). *Prerequisites:* Course equivalent to BIO 425; must be eligible for the Option in Bioanalysis. Topics of current interest in medical microbiology with emphasis on 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. One hour of lecture and four of activity per week.

CLS 531 BIOCHEMICAL CORRELATIONS OF CLINICAL TESTS (3). *Prerequisites:* Courses equivalent to CHE 450, CHE 451; must be eligible for Option in Bioanalysis. Theoretical basis for clinical tests and the biochemical pathophysiology. Metabolic pathways, chemical factors influencing test procedures, and clinical significance of assay results. Advanced topics of metabolism related to the clinical problems. Three hours of lecture per week.

CLS 532 INTERPRETIVE HEMATOLOGY (3). *Prerequisites:* CLS 307; must be eligible for the Option in Bioanalysis. Emphasis on topics of current interest and advances in hematology. Individual projects with unknowns. Demonstrations. Two hours of lecture and three hours of laboratory per week.

CLS 533 COMPONENT AND TRANSFUSION THERAPY (3). *Prerequisites:* CLS 307; must be eligible for the Option in Bioanalysis. Newer techniques and trends in practical blood banking, application of new theories and techniques, emphasis on issues and problems affecting the transfusion center. Two hours of lecture and two hours of activity per week.

CLS 580 IMMUNOHEMATOLOGY AND BLOOD TRANSFUSION (4). *Prerequisite:* Must be eligible for the Option in Immunohematology. Psychomotor and cognitive skills applied to immunohematology and blood transfusion as defined by the American Association of Blood Banks. Resolution of transfusion related problems. Supervised internship.

CLS 590 GRADUATE SEMINAR (1). *Prerequisites:* CLS 501, CLS 502 and CLS 503 or consent of instructor. Seminar methods and use of the literature in the clinical sciences. Faculty and student directed discussions of contemporary clinical science issues. Participants present and interpret recent publications. Written abstracts. One hour of seminar per week.

CLS 594 INDEPENDENT STUDY IN CLINICAL SCIENCES (1-3). *Prerequisite:* Consent of instructor and advisor. Independent and original laboratory or field investigation under supervision of a faculty member.

CLS 597 IMMUNOHEMATOLOGY TUTORIAL (8). *Prerequisite:* CLS 580. Conclusion of CLS 580 with written and practical evaluations covering didactic and clinical evaluations. Two hours of lecture and supervised internship.

CLS 599 GRADUATE CAPSTONE ACTIVITY (1-3). *Prerequisites:* Graduate Writing Assessment Requirement; advancement to candidacy, and completion of all required core courses. Department approval of advisor and project. Students will choose either a thesis, project or comprehensive examination in consultation with their advisor.

CLS 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.

COMMUNICATIONS

BACHELOR OF ARTS

Journalism Option
Public Relations Option
Television Studies Option

MINORS

Communications
Advertising

CERTIFICATE

Television Studies

SINGLE SUBJECT WAIVER PROGRAM

(see entry under English section)

FACULTY

W. Leonard Lee, Department Chair

Andy O. Alali, Mark Davidson, Hal Marienthal, David A. Safer,
George S. Vinovich

Carole Gerst, Department Secretary
HFA A334, (213) 516-3313

PROGRAM DESCRIPTION

Students dedicated to building professional careers in print media, film and telecommunications, and the closely related fields of public relations, advertising and organizational communications, will find degree and certificate programs designed by the Communications Department to meet their needs and to challenge their skills and interests.

Departmental curricula are designed to prepare the student to pursue careers as communications professionals. As such, those students will be expected to be adept at basic language skills and knowledgeable in at least one area of specialization. They also should be aware of professional responsibilities, ethical practices and laws governing the mass media.

Students from other disciplines seeking to improve their communications skills and knowledge about the media and their impact upon society, will find a variety of course offerings suited to these needs.

JOURNALISM

The department offers a bachelor of arts degree in Communications with an option in Journalism (36 units).

This program is designed to prepare students for entry level positions in print and broadcast journalism. Writing courses in the Journalism Option provide the necessary opportunity to learn and practice the special skills of clear, objective, accurate, "bare-bones" writing that are the hallmarks of the professional news writer. These skills are equally important in business and the professions where ambiguity and lack of accuracy can be costly.

Print journalists must apply their skills in writing and editing the campus newspaper. Broadcast journalists will work in the radio production facility or may become involved in TV news and public affairs production.

PUBLIC RELATIONS

The department offers a bachelor of arts degree in Communications with an option in Public Relations (36 units).

This program is designed for students interested in careers in public relations and the related fields of marketing and organizational communications.

Government, civic groups, corporations and educational institutions all require the services of public relations practitioners to manage their communications and help determine public policy.



This process, sometimes defined as problem-solving through communications, encompasses everything from counseling top management to the preparation of press releases and the entire gamut of informational media materials such as audio and video programs, brochures, newsletters and annual reports; surveying and analyzing public opinion; speech writing; lobbying; fund raising and the planning of special events.

TELEVISION

The department offers a B.A. degree in Communications with an option in Television Studies (37 units).

This program is designed to prepare students for various careers in the electronic media industries of broadcasting, cable television casting and corporate video.

The Communications Department also offers a certificate program in the field of television. This Certificate in Television Production (25 units) is a three semester program designed for part-time working students and/or graduates whose primary objective is immediate training in the field of television, as opposed to a college degree. This program allows students to concentrate on preparation for entry level employment in the industry without general education courses, electives and degree major requirements.

ADVERTISING

The department offers an interdisciplinary minor in advertising (15 units), in conjunction with the School of Management and the Art Department, which combines courses in advertising, marketing and graphic design. The advertising minor provides an overview of both the business and creative sides of the advertising field.

FEATURES

- Our location in Los Angeles is at the heart of one of the nation's prime media centers. This enables the department to draw upon an unparalleled pool of industry professionals as guest lecturers and part-time instructors. Wide-ranging internship opportunities are open to our students, in addition to employment opportunities in one of the largest media markets in the world.
- A spacious color television studio with professional, state-of-the-art equipment allows students the opportunity to produce broadcast quality television programs.
- SMPTE Time Code portable field production and editing systems give television students intensive hands-on experience in location shooting and video editing.
- The department's laboratory newspaper and photographic lab give journalism students the opportunity to sharpen their skills as reporters, editors and photojournalists on a publication covering the campus and surrounding communities.
- Small class sizes allow students to receive more individual attention from instructors and advisors and obtain more hands-on experience and access to production facilities.
- High academic standards of the department require that all communications majors, minors and certificate candidates pass all required and prerequisite courses with grades of 'C' or better.

ACADEMIC ADVISEMENT

The Communications Department places a high priority on student advisement. Each student entering the department is assigned an academic advisor from among the members of the full-time faculty.

Students have ample opportunity to meet individually with their advisors to discuss academic and professional matters. All departmental faculty members, including the advisors, are dedicated to helping students in the essential process of acculturation to the professional practices and life styles of communications professionals.

Students are urged to take advantage of this open invitation to meet with faculty members as soon as questions arise.

PREPARATION

The ability to use the English language effectively is crucial to the success of the communications professional. Therefore, students are urged to take at least four years of college preparatory English. In addition to meeting the University's English requirements, each Communications Department major, minor or certificate candidate, must pass a special departmental language skills test before being admitted to COM 250 -Writing For the Media. The test is administered at the beginning of each semester.

Students who do not score satisfactorily in this test are referred to the English Department and/or the Learning Assistance Center for additional help in improving their language skills sufficiently to warrant later admission to COM 250.

However, the Communications Department deals primarily with the theory and process of communication, and the tools and techniques effectively used to deliver messages composed of words, symbols, music, sound and non verbal signs. Message content, on the other hand, is derived from substantive knowledge of other disciplines such as the political or behavioral sciences, economics, science and technology, sports, business management or public administration.

Students interested in communications careers should, therefore, prepare themselves by completing a broad spectrum of studies designed to increase their knowledge and awareness of facts, trends and developments in the many disciplines mentioned above.

CAREER POSSIBILITIES

The field of communications offers a broad spectrum of challenging professional and technical job opportunities.

Recent breakthroughs in information processing and telecommunications, including the meteoric rise of cable TV and corporate video, have sparked new employment opportunities. The steadily increasing influence of the mass media and the growing interest of business and industry in public relations, advertising, and 'in house video' communications also has opened a variety of job opportunities.

JOURNALISM

Reporter, editor, feature writer, columnist, editorial writer, advertising sales, media management, and photographer.

PUBLIC RELATIONS AND ADVERTISING

Account executive, public relations/advertising manager, marketing communications, advertising media analyst, public information officer, advertising copy writer, advertising designer, publications editor, product publicist and speech writer.

TELEVISION AND ELECTRONIC MEDIA

Public access coordinator in cable television; media director for corporate video; writer, producer, director, video editor, or ENG crew member for cable, corporate, educational, or commercial broadcasting.

MAJOR REQUIREMENTS - BA

Common Core Requirements (18 units)

Lower Division Requirements (6 units)

- COM 100. Mass Media and Society (3)
- COM 250. Writing For the Media (3)

Upper Division Requirements (12 units)

- COM 302. Law of the Mass Media (3)
- COM 379. Broadcast Media Practices and Technology (3)
- COM 381. Scriptwriting for Electronic Media (3)
- COM 490. Senior Seminar in Communications (3)

JOURNALISM OPTION (36 units)

- A. Completion of Common Core Requirements (18 units)**
- B. Lower Division Requirements (3 units)**
COM 206. Basic Photography (3)
- C. Upper Division Requirements (15 units)**
COM 300. Organizational Communications (3)
COM 350. Advanced News Writing and Reporting (3)
COM 352. Feature and Magazine Writing (93)
COM 355. Print Media Production Workshop (3)
one additional upper division elective (3)

PUBLIC RELATIONS OPTION (36 units)

- A. Completion of Common Core Requirements (18 units)**
- B. Upper Division Requirements (18 units)**
COM 300. Organizational Communication (3)
COM 352. Feature and Magazine Writing (3)
COM 355. Print Media Production Workshop (3)
COM 365. Introduction to Public Relations (3)
COM 366. Advanced Public Relations (3)
COM 467. Public Relations Publicity Workshop (3)

TELEVISION STUDIES (37 units)

- A. Completion of Common Core Requirements (18 units)**
- C. Upper Division Requirements (19 units)**
COM 383. TV Production (4)
COM 384. Advanced TV Production (4)
COM 385. TV Pre-Production (3)
COM 396. Campus TV Program Production (1, 1)
COM 487. TV Production Workshop (3)
one additional upper division elective (3)

MINOR REQUIREMENTS**MINOR IN COMMUNICATIONS (12 units)**

- Lower Division Requirements (6 units)**
COM 100. Mass Media And Society (3)
COM 250. Writing For the Media (3)

- Upper Division Requirements (6 units)**
Two upper division elective courses (6 units) in Communications.

MINOR IN ADVERTISING (18 units)

- Upper Division Requirements (18 units)**
COM 342. Advertising Copywriting (3)+
COM 344. Advertising Media Analysis (3)
ART 344. Design Practices I (3)+
MKT 350. Principles of Marketing (3)
MKT 352. Marketing Communications (3)+
MKT 355. Consumer Behavior (3)+

CERTIFICATE REQUIREMENTS**CERTIFICATE IN TELEVISION STUDIES (25 units)**

- Lower Division Requirements (3 units)**
COM 250. Writing For the Media (3)

Upper Division Requirements (22 units)

- COM 379. Broadcast Media Practices and Technology (3)
COM 381. Scriptwriting For Electronic Media (3)
COM 383. TV Production (4)
COM 384. Advanced TV Production (4)
COM 385. TV Pre-Production (3)
COM 396. Campus TV Program Production (1, 1)
COM 487. TV Production Workshop (3)

COURSE OFFERINGS IN COMMUNICATIONS**Lower Division**

COM 100 MASS MEDIA AND SOCIETY (3).* Survey of mass communications media and their effects on society. Comparative analysis of newspapers, magazines, wire services, radio, television, motion picture, public relations and advertising. Problems and potentials of the mass media as mirrors and molders of society. Three hours of lecture per week.

COM 101 VIDEO PRACTICES (3).* Introduction to the process of small format 1/2" and 3/4" instructional video production. Designed for non-TV majors, the course emphasizes participation in crew assignment on a variety of university instructional video taping projects on campus. One hour of lecture and four hours of activity per week.

COM 130 FILM CLASSICS (3).* Viewing and analysis of selected American and foreign films of the sound era which represent milestones in the development of the cinema. Guest filmmakers and performers from the industry will discuss various screenings with the class. Three hours of lecture per week.

COM 206 BASIC PHOTOGRAPHY (3). Instruction in the basic principles of still photography. Two hours of lecture and three hours of laboratory per week.

COM 250 WRITING FOR THE MEDIA (3). *Prerequisite: Typing 25 wpm and satisfactory score on department Writing Skills Exam.* Instruction and practice in basic of reporting and writing news for print and electronic media. Three hours of lecture per week.

Upper Division

COM 300 ORGANIZATIONAL COMMUNICATIONS (3). 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. Three hours of lecture per week.

COM 302 LAW OF THE MASS MEDIA (3). 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. Three hours of lecture per week.

COM 342 ADVERTISING COPYWRITING (3). *Prerequisites: ENG 111 and COM 250 or equivalent.* 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, Design Practices I, Art 344. Three hours of lecture per week.

COM 344 ADVERTISING MEDIA ANALYSIS (3). Analysis of the comparative advantages (cost and market impact) of various advertising media as basis for time and space buying within context of the creative advertising campaign with an emphasis on campaign planning and implementation. Three hours of lecture per week.

COM 350 ADVANCED NEWS WRITING AND REPORTING (3). *Prerequisite: COM 250.* Continuation of Communications 250, with experience in covering actual news stories. Three hours of lecture per week.

+Consult course description for prerequisite(s).

*Repeatable course.

COM 352 FEATURE AND MAGAZINE WRITING (3). *Prerequisite:* COM 350 or consent of instructor. Techniques of writing for feature magazines, newspaper feature supplements, and similar publications. Three hours of lecture per week.

COM 355 PRINT MEDIA PRODUCTION WORKSHOP (3). *Prerequisite:* COM 250. Production of laboratory newspaperazine. Reporting, writing, editing, layout, computer typesetting, photography and graphics. Two hours of lecture and four hours of production activities per week.

COM 365 INTRODUCTION TO PUBLIC RELATIONS (3). Public relations practices and principles as applied to government, education, and industry. Three hours of lecture per week.

COM 366 ADVANCED PUBLIC RELATIONS (3). * *Prerequisites:* COM 250 and COM 365. 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 and transmitter of institutional decision making. Emphasis on actual case work. Three hours of lecture per week.

COM 379 BROADCASTING MEDIA PRACTICES AND TECHNOLOGY (3). Analysis of contemporary distribution systems, technologies, and staffing, programming, and business operations of today's broadcast media industries. Examines the interrelationships between advertising and ratings, networking and syndication, production and distribution, and overall impact of broadcast media on society. Three hours of lecture per week.

COM 381 SCRIPTWRITING FOR ELECTRONIC MEDIA (3). *Prerequisites:* ENG 110 and ENG 111 or COM 250. Practice in script writing for TV and film. Development of writing styles suitable for each of these media. Emphasis on formal distinctions between aural and visual media. Three hours of lecture per week.

COM 383 TV PRODUCTION (4). *Prerequisites:* COM 180 and COM 250. Introduction to basic equipment, theory, and procedures used in television studio production. Fundamental operation of camera, VTR, SEG, lighting, audio, and directing. Each student directs two major production projects in addition to crew rotation on classmates' projects. Actual experience in producing live, multi-camera television projects in the campus television studio. Three hours of lecture and four hours of production laboratory per week.

COM 384 ADVANCED TV PRODUCTION (4). *Prerequisite:* COM 383. Continuation of Communications 383 with emphasis on advanced techniques of studio operations. Each student directs two major production projects in addition to crew rotation. Introduction to ENG field production equipment and video editing systems. The lab is a continuation of Communications 383. Advanced techniques of television production utilizing studio, ENG, and editing systems. Three hours of lecture and four hours of production laboratory per week.

COM 385 TV PRE-PRODUCTION (3). *Prerequisites:* COM 250 and COM 383. Preparation for documentary production projects. Topic research, script writing, script blocking, interviewing, location clearances, talent releases, and copyright licenses. Each student must complete a blocked script for actual production in COM 487. Three hours of lecture per week.

COM 396 CAMPUS TV PROGRAM PRODUCTION (1). *Prerequisite:* COM 383 or concurrent enrollment. Participation in a variety of crew assignments in the production of university television program series for distribution on local cable systems. Experience in the use of live, multi-camera techniques in the studio and ENG field production techniques on location. Four hours of production per week.

COM 397 ON CAMPUS INTERNSHIP (3). * *Prerequisite:* Completion of a minimum of 27 upper division units in the major, or approval of department. Senior standing. Directed work experience in the communications field—in print or electronic journalism, public relations or advertising, film or broadcasting. Ideally, such work provides a practical bridge linking the student's academic studies with the world of work. A minimum of 10 hours per week of supervised work experience under the direction of a professionally qualified mentor.

COM 467 PUBLIC RELATIONS PUBLICITY WORKSHOP (3). * *Prerequisites:* COM 350, 365 and COM 366 or consent of instructor. 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. Three hours of lecture per week.

COM 487 TV PRODUCTION WORKSHOP (3). *Prerequisites:* COM 384 and COM 385. Production of a broadcast quality documentary video program for public airing on the University's cable TV channel. Each student must write, produce, direct, and edit a professional quality program within broadcast standards. Nine hours of production per week.

COM 490 SENIOR SEMINAR IN COMMUNICATIONS (3). *Prerequisite:* Senior standing within one semester of graduation. Integrative studies and in-depth analyses of the mass media and their role in society. Preparation of major thesis paper and the sharing of research findings during seminar discussions. Three hours of seminar per week.

COM 494 INDEPENDENT STUDY (1-3). * Independent study in any relevant subject area under the direction of a member of the Communications Department faculty.

COM 495 SPECIAL TOPICS IN COMMUNICATIONS (3). * 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. Three hours of lecture per week.

COM 496 OFF CAMPUS INTERNSHIPS IN COMMUNICATIONS (3). *Prerequisites:* Senior standing is required; completion of a minimum of 27 upper division units in the major, or approval of department is recommended. Directed work experience in the communications field—print or electronic journalism, public relations or advertising, film or broadcasting. Ideally, such work provides a practical bridge linking the student's academic studies with the world of work. A minimum of 10 hours per week of supervised work experience under the direction of a professionally qualified mentor.

*Repeatable course.

COMPUTER SCIENCE

BACHELOR OF SCIENCE

MINOR

CERTIFICATE

FACULTY

Frank A. Chimenti, Department Chair

H. Afsarmanesh, R. Huddleston, W. Jones, L. Larmore,
C. Williams

Tina W. Lee, Department Secretary
NSM A-132, (213) 516-3398

PROGRAM DESCRIPTION

Computer science is the discipline of designing methods for solving problems by means of a computer, an electronic device capable of performing simple logical and arithmetic operations. Its design and use embodies a surprising amalgam of logic, mathematics, electronics, science, communications and ergonomics. Because of its enormous appetite for data and its near instantaneous processing speed, the modern electronic digital computer has become the indispensable tool of government, commerce and technology.

The curriculum is designed to provide preparation for professional careers in the areas of software design and applied computer science. It is also designed to permit a flexible response to the varying demands of a dynamic and growing profession.

The program is organized around a core of eight computer science courses and four computer oriented mathematics courses. This core builds a solid basis for tailoring individualized major programs through three additional elective courses. Students will receive faculty guidance in selecting suitable elective courses to tailor their program to meet their specific career goals.

Our graduates have found rewarding careers in the aerospace, defense, energy and manufacturing industries. Many have gone on to graduate school. The job opportunities for computer science graduates continue to be excellent because of the continued long-term growth of the computer industry.

FEATURES

The University's location in the South Bay area of greater Los Angeles provides direct access to many major defense contractors, manufacturers, and international centers of commerce and finance. This provides excellent opportunities for work-study and early job-placement.

Our highly qualified full-time faculty are supplemented by talented and dedicated part-time faculty drawn from local firms and schools. Good teaching and easy on-campus access to professional quality computing systems enhances a degree program that provides both a solid core curriculum and a broad range of electives, including artificial intelligence, graphics, simulation, networking and optimization.

In addition to a full program during the day, all major requirements are available in an evening program. Any student who might enroll in the evening program can reasonably expect to complete the degree requirements by enrolling in evening courses exclusively.

ACADEMIC ADVISEMENT

Faculty guidance in the development of career goals and program planning to achieve those goals is available to all majors.



PREPARATION

Students entering the computer science program should have completed three years of high school mathematics and should be prepared to begin the computer science program's mathematics requirements.

This is a demanding program that places a premium on the student's initiative and effort.

CAREER POSSIBILITIES

Entry level positions in the areas of systems analysis, systems programming, applications programming, data engineering, data communications and software engineering provide typical career opportunities for computer science graduates. Such positions are available in a wide variety of aerospace and defense related industries, manufacturing and commercial firms, and government and other public agencies.

STUDENT ORGANIZATIONS

Student chapter of the Association of Computing Machinery. Contact departmental office for membership information.

MAJOR REQUIREMENTS - BS (47 units)**Lower Division Requirements (26 units)**

- CSC 121. Introduction to Computer Science and Programming I (3)
- CSC 123. Introduction to Computer Science and Programming II (3)
- CSC 221. Assembly Language and Introduction to Computer Organization (3)
- CSC 241. High Level Languages (3)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- MAT 261. Discrete Mathematics I (3)
- MAT 263. Discrete Mathematics II (3)

Upper Division Requirements (21 units)

Required Courses (12 units)

- CSC 311. Data Structures (3)
- CSC 321. Programming Languages (3)
- CSC 331. Computer Organization (3)
- CSC 341. Operating Systems (3)

Electives (9 units) - Select any 9 units from the following:

- CSC 337. Microcomputers (3)
- CSC 351. Data Management (3)
- CSC 361. Systems Programming (3)
- CSC 401. Analysis of Algorithms (3)
- CSC 411. Artificial Intelligence (3)
- CSC 421. Advanced Programming Languages (3)
- CSC 431. Advanced Computer Organization (3)
- CSC 441. Advanced Operating Systems (3)
- CSC 451. Computer Networks (3)
- CSC 461. Computer Graphics I (3)
- CSC 463. Computer Graphics II (3)+
- CSC 471. Compiler Construction I (3)
- CSC 473. Compiler Construction II (3)+
- MAT 361. Finite Automata (3)+
- MAT 367. Numerical Analysis I (3)+
- MAT 369. Numerical Analysis II (3)+

MINOR REQUIREMENTS (24 units)**Lower Division Requirements (15 units)**

- CSC 121. Introduction to Computer Science and Programming I (3)
- CSC 123. Introduction to Computer Science and Programming II (3)
- CSC 221. Assembly Language and Introduction to Computer Organization (3)
- MAT 261. Discrete Mathematics I (3)
- MAT 263. Discrete Mathematics II (3)

Upper Division Requirements (9 units)

Required Course (3 units)

- CSC 311. Data Structures (3)

Electives (6 units) - Select from the following any 6 units, 3 of which must have a CSC prefix:

- CSC 321. Programming Languages (3)+
- CSC 331. Computer Organization (3)+
- CSC 337. Microcomputers (3)
- CSC 341. Operating Systems (3)+
- CSC 351. Data Management (3)
- CSC 361. Systems Programming (3)+
- CSC 401. Analysis of Algorithms (3)+
- CSC 411. Artificial Intelligence (3)+
- CSC 421. Advanced Programming Languages (3)+
- CSC 431. Advanced Computer Organization (3)+
- CSC 441. Advanced Operating Systems (3)+
- CSC 451. Computer Networks (3)+
- CSC 461. Computer Graphics I (3)+
- CSC 463. Computer Graphics II (3)+
- CSC 471. Compiler Construction I (3)+
- CSC 473. Compiler Construction II (3)+
- MAT 361. Finite Automata (3)+
- MAT 367. Numerical Analysis I (3)
- MAT 369. Numerical Analysis II (3)+
- CIS 372. System Development I (3)
- CIS 374. System Development II (3)
- CIS 473. Data Base Systems (3)
- CIS 475. Data Communications (3)

CERTIFICATE REQUIREMENTS (18 units)**Upper Division Requirements (18 units)**

Required Courses (9 units)

- CSC 311. Data Structures (3)+
- CSC 321. Programming Languages (3)+
- CSC 331. Computer Organization (3)+

Electives (9 units) - Select any 9 units from the following:

- CSC 337. Microcomputers (3)
- CSC 341. Operating Systems (3)
- CSC 351. Data Management (3)
- CSC 361. Systems Programming (3)+
- CSC 401. Analysis of Algorithms (3)+
- CSC 411. Artificial Intelligence (3)+
- CSC 421. Advanced Programming Languages (3)+
- CSC 431. Advanced Computer Organization (3)+
- CSC 441. Advanced Operating Systems (3)+
- CSC 451. Computer Networks (3)+
- CSC 461. Computer Graphics I (3)+
- CSC 463. Computer Graphics II (3)+
- CSC 471. Compiler Construction I (3)+
- CSC 473. Compiler Construction II (3)+

MAT 361. Finite Automata (3)+
 MAT 367. Numerical Analysis I (3)
 MAT 369. Numerical Analysis II (3)+

In addition:

1. Adequate preparation in terms of the completion of all lower division courses which are prerequisites of courses for this certificate is necessary.
2. At least four of the six upper division courses must be taken at CSU Dominguez Hills.
3. None of the upper division courses may be taken as credit/no credit.
4. A minimum grade point average of 2.0 is required for all units taken for the certificate.

COURSE OFFERINGS IN COMPUTER SCIENCE

Lower Division

CSC 111 INTRODUCTION TO COMPUTERS AND BASIC PROGRAMMING (3). Introduction to computer programming with particular emphasis on small systems through programming in the BASIC language. Three hours of lecture per week.

CSC 121 INTRODUCTION TO COMPUTER SCIENCE AND PROGRAMMING I (3). *Prerequisite:* MAT 151 or equivalent. Survey of computer science. Organization of sequential, digital machines: CPU, I/O, storage, communications devices. Function of operating system: translators, editors, peripheral control, utilities. The development, description and analysis of elementary algorithms in Pascal. Three hours of lecture per week.

CSC 123 INTRODUCTION TO COMPUTER SCIENCE AND PROGRAMMING II (3). *Prerequisite:* CSC 121. Continuation of CSC 121. Fundamental programming concepts using arrays, records, pointers, linked lists, trees and recursion. Good style, documentation and structure will be emphasized. Introduction to the analysis of algorithms for efficiency and correctness. The language of instruction is Pascal. Three hours of lecture per week.

CSC 221 ASSEMBLY LANGUAGE AND INTRODUCTION TO COMPUTER ORGANIZATION (3). *Prerequisite:* CSC 123. Programming problems in assembly language. Writing and using macros. Features of modern computer hardware and operating systems. Three hours of lecture per week.

CSC 241 HIGH LEVEL LANGUAGES (3). ** Prerequisite:* CSC 111 or CSC 121 or equivalent. Syntax and programming in a specific high level language. May be repeated for credit with different languages. Specific languages offered to include FORTRAN, C, LISP, PROLOG, ADA and others. Three hours of lecture per week.

Upper Division

CSC 311 DATA STRUCTURES (3). *Prerequisites:* CSC 123 and MAT 261. More advanced and detailed treatment of concepts of data organization introduced in CSC 123. Includes lists, trees, graphs and storage allocation and collection. Applications to such areas as symbol tables, string search and optimization. Three hours of lecture per week.

CSC 321 PROGRAMMING LANGUAGES (3). *Prerequisites:* CSC 221, CSC 241 and MAT 261. A comparative study of programming languages. Characteristics of languages and formal description of languages. Assignments in several languages. Three hours of lecture per week.

CSC 331 COMPUTER ORGANIZATION (3). *Prerequisites:* CSC 221, MAT 261 or concurrent enrollment. Structure of the modern digital computer. Introduction to Boolean algebra and design of digital circuits. Arithmetic, control, storage and input/output systems. Three hours of lecture per week.

CSC 337 MICROCOMPUTERS (3). ** Prerequisites:* CSC 331 and MAT 261. The architecture, programming and interfacing of microcomputers. Topics include input/output, instruction sets, subroutines, interrupts and control. In-class use of microcomputer hardware. Two hours of lecture and three hours of laboratory per week.

CSC 341 OPERATING SYSTEMS (3). *Prerequisites:* CSC 331 and MAT 261. Overall structure of batch and time-shared operating systems. Scheduling of jobs, CPU and I/O devices. Paged and segmented memory management. I/O programming and file handling. Synchronization of concurrent processes. Three hours of lecture per week.

CSC 351 DATA MANAGEMENT (3). *Prerequisite:* CSC 311. Fundamental concepts in design, analysis and implementation of computerized database systems. Database models, user and program interfaces and database control. Three hours of lecture per week.

CSC 361 SYSTEMS PROGRAMMING (3). *Prerequisite:* CSC 341. Design and construction of systems programs such as assemblers, macro processors and linking loaders. Introduction to software engineering. Three hours of lecture per week.

CSC 401 ANALYSIS OF ALGORITHMS (3). *Prerequisite:* CSC 311, CSC 321, CSC 331 and CSC 341. Mathematical study of non-numeric computer algorithms. Topics include combinatorial techniques, algorithm proof, and program complexity. Three hours of lecture per week.

CSC 411 ARTIFICIAL INTELLIGENCE (3). *Prerequisites:* CSC 311, CSC 321, CSC 331 and CSC 341. Introduction to the use of computers to simulate intelligent behavior; includes game playing, problem solving, use of natural languages and pattern recognition. Three hours of lecture per week.

CSC 421 ADVANCED PROGRAMMING LANGUAGES (3). *Prerequisites:* CSC 311, CSC 321, CSC 331 and CSC 341. Continuation of CSC 321. Methods of formal specification of syntax and semantics of programming languages and special purpose language features for such areas as simulation and systems programming. Three hours of lecture per week.

CSC 431 ADVANCED COMPUTER ORGANIZATION (3). *Prerequisites:* CSC 311, CSC 321, CSC 331 and CSC 341. Alternate computer architectures and features of large scale systems. Microprogramming, parallel processing, memory organization, input/output systems, interprocessor communications and multiprocessing. Three hours of lecture per week.

CSC 441 ADVANCED OPERATING SYSTEMS (3). *Prerequisites:* CSC 311, CSC 321, CSC 331 and CSC 341. Theoretical study of important topics in operating system design. Substantial individual and group programming projects. Three hours of lecture per week.

CSC 451 COMPUTER NETWORKS (3). *Prerequisites:* CSC 311, CSC 321, CSC 331 and CSC 341. An introduction to computer networks including both long haul and local area networks. Topics include network topology, network access methodology, transmission media, protocols and applications. Three hours of lecture per week.

CSC 461 COMPUTER GRAPHICS I (3). *Prerequisites:* CSC 311, CSC 321, CSC 331 and CSC 341. Fundamental concepts of programming for computer graphics. Graphics devices, languages and algorithms. Substantial graphics programming projects. Three hours of lecture per week.

CSC 463 COMPUTER GRAPHICS II (3). *Prerequisite: CSC 461.* Continuation of CSC 461. Advanced topics in computer graphics. Interactive graphics, animation, color and three dimensional modeling. Three hours of lecture per week.

CSC 471 COMPILER CONSTRUCTION I (3). *Prerequisites: CSC 311, CSC 321, CSC 331 and CSC 341.* Introduction to the theory and practice of compiler construction. Overall structure of compilers. Lexical and syntactic analysis, code generation for block structured languages and code optimization. Three hours of lecture per week.

CSC 473 COMPILER CONSTRUCTION II (3). *Prerequisite: CSC 471.* Advanced topics in compiler construction such as automatic parsing systems and code optimization. Three hours of lecture per week.

CSC 495 SELECTED TOPICS (3). *Prerequisites: CSC 311, 321, 331 and 341. Content varies.* Advanced topics in computer science not covered by current course offerings. May be used for elective credit in departmental programs subject to approval.

CSC 497 DIRECTED STUDY IN COMPUTER SCIENCE (1-3).* *Prerequisites: CSC 311, CSC 321, CSC 341 or consent of instructor.* A project in computer science carried out on an independent study basis.

*Repeatable course.

COOPERATIVE EDUCATION

FACULTY

Carolyn L. Harris, Director

Marilyn Brady, Secretary
SCC E173 (213) 516-3735

PROGRAM DESCRIPTION

The Cooperative Education Program provides students with three opportunities. They are: 1) to engage in practical training in career related jobs, 2) to explore career possibilities, and 3) to provide a service such as working with literacy programs, assisting senior citizens with income tax preparation, counselling teenagers at risk and serving as probation aides. Students are able to apply academic knowledge and skills in a work-and-service placement. In return, they gain valuable professional experience.

FEATURES

A variety of internships and cooperative education opportunities are available in all academic areas with such businesses and agencies such as, the IRS, GTE, J.C. Penney, Compton Unified School District, Xerox, Literacy Volunteers of America, Broadway, Esquire Boys Club, the L. A. Unified School District, the General Accounting Office and many other. In some cases entry level salaries are provided; in other cases, internships are offered.

The director works with participating faculty from various academic areas to establish internships to meet student's needs. Students may work between 8 and 40 hours per week, depending upon the cooperating business or agency requirement. Some placements may require alternating one semester of work with one semester of classwork, which may require an additional semester of matriculation.

Students are expected to establish learning goals and objectives each semester. These goals and objectives will integrate the academic experience with professional application. The experience and knowledge gained through Cooperative Education enhances the likelihood that a student will obtain fulfilling employment upon graduation.

ACADEMIC ADVISEMENT

Students interested in the program should make an appointment with the director in SC E-173. Information will be provided on available opportunities and the requirements for successful placement and subsequent completion of the program. If appropriate, students are advised to enroll in CED 300 - INTERNSHIP PREPARATION or CED 310 - COOPERATIVE EDUCATION SEMINAR and CED 320 COOPERATIVE EDUCATION INTERNSHIP. A student may apply a maximum of 12 semester units earned in Cooperative Education courses towards the baccalaureate degree, including courses transferred from other institutions and units earned through 'Credit for Prior Learning.' Students beginning an internship after the third week of a given semester will be administratively enrolled in the appropriate Cooperative Education courses the following semester. The program is open to all regularly enrolled students in the University.



COURSE OFFERINGS IN COOPERATIVE EDUCATION

Upper Division

CED 300 COOPERATIVE EDUCATION INTERNSHIP PREPARATION (1).* Orients students to Cooperative Education and prepares them for internship. Students will research firms which are related to their career interests, establish career goals, prepare resumes and participate in mock interviews. Students will also acquire skills in establishing learning and/or performance objectives for subsequent internship. CR/NC. Two hours of activity per week.

CED 310 COOPERATIVE EDUCATION SEMINAR (1).* *Prerequisites: Consent of instructor; CED 300 and concurrent enrollment in CED 320.* Discipline related seminar for students enrolled in CED 320. Seminar will focus on relating the internship experience to the academic majors of the students. One hour of seminar per week.

CED 320 COOPERATIVE EDUCATION INTERNSHIP (1-6).* *Co-requisite: CED 310.* Provides students with supervised work experience related to the student's academic study, personal interests or career goals. Admission is subject to approval by the cooperating agency/firm, a faculty member, and the cooperative education director. Through consultation with the faculty, the work supervisor, the student and the Cooperative Education director, learning and/or performance objectives are developed around the job description and evaluation.

*Repeatable course.



DANCE

MINOR

FACULTY

Carol Ann Tubbs, Dance Coordinator

Dan Berney, Antoinette Marich

Jean Riggs, Department Secretary
(Physical Education, Recreation and Dance)
FH C-003, (213) 516-3761

PROGRAM DESCRIPTION

The area of dance is affiliated with the Department of Physical Education, Recreation and Dance at CSU Dominguez Hills. Within the physical education minor program, a dance minor option is offered. The minor requires not less than a total of 21-22 semester units. A minimum of 12 semester units are required in upper division courses.

Dance is a means of communication through movement of the human body, which is stimulated by external and internal perceptions and feelings. It is a discipline concerned with the study and research of the aesthetics of physical movement related to social and cultural influences.

FEATURES

Two large dance studios are available to students. One is equipped with a mirrored wall and ballet barres, and the other has a moveable wrestling mat. Ample modern locker and shower facilities also are available. Dance students have unique opportunities to perform in a fully-equipped, modern university theatre. The full-time and part-time faculty is comprised of working professionals as well as educators. Since exposure to working professionals can broaden the students' perspective, guest artists and master dance teachers also are scheduled to work with students throughout the academic year.

ACADEMIC ADVISEMENT

To obtain an advisor for dance, the student should contact the secretary in the Physical Education, Recreation and Dance Department to schedule a meeting. During the first advisement meeting, educational goals and previous dance experience will be discussed. On the basis of this discussion, the progression of the student's dance minor requirements will be planned. Career opportunities also will be discussed. If transferring from a community college, the student should bring a copy of his/her transcript.

PREPARATION

If high school students are considering pursuing a career in dance, the department suggests study in ballet, modern and jazz dance technique. Also, students should take advantage of all available choreography and performance opportunities, and view as many dance performances as possible at school and in the community. In addition to high school graduation requirements, the student should study art, music, drama, literature, philosophy and physiology.

While attending community college, students should seek choreographic and performance experience in theatre presentations and view as many dance performances as possible.

Courses taken at community colleges in ballet, modern, jazz, tap, dance-exercise and other selected dance styles will transfer and satisfy the lower division requirements for the dance minor.

HELPFUL HINTS

1. Seek advisement regularly.
2. Take one year of ballet and modern dance before enrolling in choreography.
3. Study dance technique during the summer months.
4. Take a heavier academic load during the fall semester in order to avoid being overworked in the spring when the annual Dance Concert takes place.
5. Attend as many live dance concerts as possible.
6. Attend master classes offered at the University.

CAREER POSSIBILITIES

The dance minor is designed for students who desire to become a choreographer, teacher, dance-exercise instructor or performer. The purpose of the minor is to provide students with a broad based foundation in dance and to prepare them for work in public schools, private dance studios, fitness programs or theatres and television. The student studies a variety of dance subjects including Dance Technique, Dance History, Choreography, Music for Dance, Dance Performance and Dance Production.

STUDENT ORGANIZATIONS

Dance Club - Open to all students interested in dance.

CSU Dominguez Hills Student Unit of CAHPERD, California's most prestigious professional organization for health, physical education, recreation and dance.

CDEA - California Dance Educators Association is open to all students interested in teaching dance.

MINOR REQUIREMENTS (22-23 units)**Lower Division Requirements (11-12 units)**

- DAN 200. Jazz I (2)
- DAN 210. Ballet I (2)
- DAN 215. Ballet II (2)
- DAN 220. Modern Dance I (2)
- DAN 225. Modern Dance II (2)

Select one from the following:

- DAN 100. Dance Exercise (1)
- DAN 110. Ethnic and Social Dance (1)
- DAN 120. Tap Dance (1)
- DAN 205. Jazz II (2)
- PED 244. Analysis of Dance (2)

Upper Division Requirements (11 units)

- DAN 330. Beginning Choreography I (2)+
- DAN 335. Beginning Choreography II (2)+
- DAN 450. Teaching Dance (1)+
- MUS 305. Music for Dance (1)+
- THE 310. History of Dance (3)+

Select one from the following:

- DAN 310. Ballet III (2)
- DAN 320. Modern Dance III (2)

Technique Advancement

Students may advance to a higher level in a dance technique requirement if they receive prior permission from the Dance Coordinator.

COURSE OFFERINGS IN DANCE**Lower Division**

DAN 100 DANCE EXERCISE (1).* Dynamic rhythmic dance movements designed to increase cardiovascular endurance, muscular endurance, muscular strength and flexibility. Two hours of activity per week.

DAN 105 DANCE FOR ATHLETES (1). Dynamic rhythmic dance movements designed especially for athletes to increase cardiovascular endurance, muscular endurance, muscular strength and flexibility. Two hours of activity per week.

DAN 110 ETHNIC AND SOCIAL DANCE (1).* Introduction to a variety of ethnic and social dance forms; and appreciation of their historical and cultural origins. Two hours of activity per week.

DAN 120 TAP DANCE (1).* Development of proficiency in performing elementary tap technique with emphasis on skills, steps, combinations and terminology. Appreciation of origin and evolution of tap dance. Two hours of activity per week.

DAN 130 DANCE PERCEPTIONS (3). Introduction to dance in America through dance, videotapes and live performances. Applications of aesthetic perception and criticism skills to determine artistic value of ballet, modern, jazz and tap dance performances. Three hours of lecture/viewing per week.

DAN 200 JAZZ I (2).* Development of proficiency in performing beginning jazz dance technique. Emphasis on theory, terminology, steps and combinations in a variety of jazz styles. Appreciation of origin and evolution of jazz. Four hours of activity per week.

DAN 205 JAZZ II (2).* *Prerequisite: DAN 200 or consent of instructor.* Continuing development of proficiency in performing beginning jazz dance technique. Emphasis on theory, terminology, steps and combinations in a variety of jazz styles. Appreciation of origin and evolution of jazz. Four hours of activity per week.

DAN 210 BALLET I (2).* Development of proficiency in performing elementary ballet technique. Emphasis on basic theory, positions, steps, combinations and French terminology. Appreciation of ballet as an art form. Four hours of activity per week.

DAN 215 BALLET II (2).* *Prerequisite: DAN 210 or consent of instructor.* Continuing development of proficiency in performing elementary ballet technique. Emphasis on basic theory, positions, steps, combinations and French terminology. Appreciation of ballet as an art form. Four hours of activity per week.

DAN 220 MODERN DANCE I (2).* Development of proficiency in performing beginning modern dance technique. Emphasis on basic technical development, movement theories, movement phrasing and terminology. Appreciation of basic movement discoveries of early pioneers in modern dance, and of modern dance as an art form. Four hours of activity per week.

DAN 225 MODERN DANCE II (2).* *Prerequisite: DAN 220 or consent of instructor.* Continuing development of proficiency in performing beginning modern dance technique. Emphasis on basic technical development, movement theories, movement phrasing and terminology. Appreciation of basic movement discoveries of early pioneers in modern dance, and of modern dance as an art form. Four hours of activity per week.

Upper Division

DAN 300 JAZZ III (2).* *Prerequisite: DAN 205 or consent of instructor.* Development of proficiency in performing intermediate jazz dance technique. Emphasis on theory, terminology, steps and combinations in a variety of jazz styles. Appreciation of the origin and evolution of jazz. Four hours of activity per week.

+Consult course description for prerequisite(s).

*Repeatable course.

DAN 305 JAZZ IV (2).* *Prerequisite:* DAN 300. Continuing development of proficiency in performing intermediate jazz dance technique. Emphasis on theory, terminology, steps and combinations in a variety of jazz styles. Appreciation of the origin and evolution of jazz. Four hours of activity per week.

DAN 310 BALLET III (2).* *Prerequisite:* DAN 215 or consent of instructor. Development of proficiency in performing intermediate ballet technique. Emphasis on theory, positions, steps, combinations and French terminology. Appreciation of ballet as an art form. Four hours of activity per week.

DAN 315 BALLET IV (2).* *Prerequisite:* DAN 310 or consent of instructor. Continuing development of proficiency in performing intermediate ballet technique. Emphasis on theory, positions, steps, combinations and French terminology. Appreciation of ballet as an art form. Four hours of activity per week.

DAN 320 MODERN DANCE III (2).* *Prerequisite:* DAN 225 or consent of instructor. Development of proficiency in performing intermediate modern dance technique. Emphasis on intermediate technical development, movement theories, movement phrasing and terminology. Appreciation of intermediate movement discoveries of early pioneers in modern dance, and of modern dance as an art form. Four hours of activity per week.

DAN 325 MODERN DANCE IV (2).* *Prerequisite:* DAN 320 or consent of instructor. Continuing development of proficiency in performing intermediate modern dance technique. Emphasis on intermediate technical development, movement theories, movement phrasing and terminology. Appreciation of intermediate movement discoveries of early pioneers in modern dance, and of modern dance as an art form. Four hours of activity per week.

DAN 330 BEGINNING CHOREOGRAPHY I (2).* *Prerequisite:* Concurrent enrollment in a dance technique class. Introduction to dance composition, effort-shape, and aesthetic perception and criticism. Lab experiences exploring principles of dance composition, improvising, creating solo and small group short studies, developing performance skills, and applying aesthetic scanning models to dance. One hour of lecture and two hours of activity per week.

DAN 335 BEGINNING CHOREOGRAPHY II (2).* *Prerequisites:* DAN 330 and concurrent enrollment in a dance technique class. Progressing from creating introductory studies to creating extended studies. Lab experiences applying principles of dance composition, improvising, extending introductory studies, creating large-group short studies, and further developing performance and aesthetic scanning skills. One hour of lecture and two hours of activity per week.

DAN 340 DANCE PRODUCTION (1).* *Prerequisites:* DAN 330 and DAN 335 or consent of instructor. Designed to teach students how to coordinate and produce a dance concert. Emphasis on technical aspects of dance production such as lighting design, costume design and construction, recording sound, applying dance make-up, staging dances, and concert publicity and promotion. Three hours of activity per week.

DAN 410 BALLET V (2).* *Prerequisite:* DAN 315 or consent of instructor. Development of proficiency in performing intermediate-advanced ballet technique. Emphasis on intermediate-advanced theory, positions, combinations and French terminology. Appreciation of ballet as an art form. Four hours of activity per week.

DAN 415 BALLET VI (2).* *Prerequisite:* DAN 410 or consent of instructor. Continuing development of proficiency in performing intermediate-advanced ballet technique. Emphasis on intermediate-advanced theory, positions, combinations and French terminology. Appreciation of ballet as an art form. Four hours of activity per week.

DAN 420 MODERN DANCE V (2).* *Prerequisite:* DAN 325 or consent of instructor. Development of proficiency in performing intermediate-advanced modern dance technique. Emphasis on intermediate-advanced technical development, movement theories, movement phrasing and terminology. Appreciation of movement discoveries of contemporary modern dancers, and of modern dance as an art form. Four hours of activity per week.

DAN 425 MODERN DANCE VI (2).* *Prerequisite:* DAN 420 or consent of instructor. Continuing development of proficiency in performing intermediate-advanced modern dance technique. Emphasis on intermediate-advanced technical development, movement theories, movement phrasing and terminology. Appreciation of movement discoveries of contemporary modern dancers, and of modern dance as an art form. Four hours of activity per week.

DAN 430 INTERMEDIATE CHOREOGRAPHY (3).* *Prerequisite:* DAN 335 and concurrent enrollment in a dance technique class. Progressing from creating dance studies to creating dances. Introduction to process of putting choreography on dancers. Emphasis on refining one's unique way of moving and composing dances, creating dances that represent a unified whole, and refining performance and criticism skills. Two hours of lecture and two hours of activity per week.

DAN 450 TEACHING DANCE (2).* *Prerequisite:* Intermediate level technique class. Analysis and application of recent advances in teaching methodology, observation techniques, organization and management strategies, and skill and knowledge acquisition as they relate to effectively teaching elementary, secondary and college dance. Course includes supervised field experience. Two hours of lecture and two hours of directed teaching.

DAN 490 DANCE REPERTORY (2).* *Prerequisite:* Beginning level technique class or consent of instructor. Designed to provide experienced student-performers additional opportunities for growth through dance performances on campus and in the community. Students will have opportunities to perform selected dances choreographed by faculty, students, guest artists or noted American choreographers. Four hours of activity per week.

DAN 494 DANCE: INDEPENDENT STUDY (1-3). Advanced study in dance, with each student participating in a special project mutually agreed upon by student and instructor.

DAN 495 SPECIAL TOPICS IN DANCE (1-3). Intensive study of a dance topic of current interest. May be repeated for credit to a maximum of 6.0 units.



ECONOMICS

BACHELOR OF ARTS

General Concentration

Quantitative Economics Concentration

MINOR

FACULTY

Frank V. Billes, Department Chair

Rodney Freed, James G. Harris, Abraham Kidane,
Leonard M. Moite

June Turner Department Secretary
SBS A-306, (213) 516-3446

PROGRAM DESCRIPTION

The Economics Program at CSU Dominguez Hills offers both the bachelor of arts and the minor in economics. Issues studied include the determination of income, employment, prices, interest rates, and output of goods and services. In addition students will examine foreign trade, economic development, and the impact of government policies upon the economy.

The program has three broad objectives:

- a) To provide the student with the analytical tools that are needed to deal with economic problems.
- b) To develop skills and techniques at the upper-division level in the student's main area of interest.
- c) To provide a good background for graduate study or career in business or government.

Students may choose from two concentrations in the major, selected in consultation with a faculty advisor. The General Economics Concentration, recommended for most students, is carefully designed to offer students adequate exposure to standard theory so that upon completion of the program they can effectively analyze contemporary economic problems and exercise sound judgement in evaluating public policy issues. The Concentration in Quantitative Economics enables the student to develop skills necessary for analyzing and forecasting changes in economic activity, interest rates, prices, income and exchange rates. This concentration is recommended for those who possess special interest in mathematical and statistical methods.

A minor in economics may be useful especially to students majoring in business or public administration, health services management or law. The economics minor is attractive to many students, often effectively supplementing their majors or enhancing overall undergraduate education. Employers and graduate professional schools view the minor in economics favorably.

FEATURES

The Center for Economic Education and Research is an integral part of the Economics Department. As a center for economic education, its 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. Activities at the Center for Economic Education include workshops, public lectures, publication and dissemination of economic analyses of current policy issues. One of nineteen in the California State University, the center was established in response to the expressed needs of the general public for greater and more reliable information on how the United States economy functions. In the area of research, the center facilitates faculty

and student research activities while at the same time providing opportunities for greater computer literacy. At the center, availability of microcomputers and relevant software enables the faculty to conduct research, to train students in research techniques, and to utilize the computer as a teaching aid.

The economics faculty is an interesting and diverse group of scholars. Its members were trained at some of the outstanding universities in the United States and abroad. All are engaged actively in research and other scholarly activities. All are used as consultations by both private and government agencies, here and overseas. The core faculty is enriched further by the services of a select number of part-time lecturers who hold significant positions of responsibility in both the public and private sectors of the economy. Their experiences outside the confines of academia bring greater relevance to what students learn in the classroom.

Students graduating from the CSU Dominguez Hills Economics Program benefit from a wide range of employment opportunities, both in government and the private sector. Former students are now working at all levels of government and in many private enterprises such as banks, health maintenance organizations and manufacturing corporations. Some have joined the teaching profession while others have continued their studies toward the doctoral degree at such institutions as UCLA, Berkeley, University of Southern California and the University of Oregon.

ACADEMIC ADVISEMENT

Students are expected to seek faculty advisement when they first join the program and routinely thereafter. They may elect a particular member of the faculty to be their advisor or they may request one through the chair of the department. The program allows flexibility with respect to course sequence and configuration. Advisement by a faculty member will help students to complete the requirements of the concentration of their choice in a timely and effective manner.

Faculty members also are helpful in planning for career as well as for graduate study. Students are strongly encouraged to seek advisement routinely.

PREPARATION

High school students are encouraged to take Social Science courses including economics, as well as mathematics courses. Although a foreign language is not required for the baccalaureate in economics, graduate schools may require one or two foreign languages, especially for the doctoral degree. Accordingly, those who wish to pursue further study in economics at the graduate level are encouraged to take courses in at least one appropriate foreign language.

Students transferring from community colleges can request to obtain credit for appropriate lower-division economics courses. Economic principles (micro- and macroeconomics) courses taken at a community college commonly are acceptable to satisfy the lower-division economics requirement for both the major and the minor in economics.

MAJOR REQUIREMENTS - BA (54-68 units)

Common Core Requirements (18 units)

Lower Division Requirements (9 units)

- ECO 210. Economic Theory 1A (Microeconomics) (3)
- ECO 211. Economic Theory 1B (Macroeconomics) (3)
- ECO 230. Statistics for Economists (3)

+Consult course description for prerequisite(s).

Upper Division Requirements (9 units)

- ECO 310. Intermediate Microeconomic Theory (3)
- ECO 311. Intermediate Macroeconomic Theory (3)
- ECO 350. Quantitative Economic Analysis (3)

Choose one of the following concentrations:

GENERAL CONCENTRATION (36 units)

A. Completion of Common Core Requirements (18 units)

B. Lower Division Requirements (3 units)

- ACC 230. Essentials of Accounting (3) or
- MAT 191. Calculus I (3)+

C. Upper Division Requirements (15 units)

Three courses selected from the following (9 units):

- ECO 322. Money and Banking (3)
- ECO 327. Public Finance (3)
- ECO 330. Labor Economics (3)
- ECO 340. International Trade Theory (3)
- ECO 341. International Finance (3)
- ECO 345. Economic Development (3)

Two additional upper division courses in Economics (6 units)

QUANTITATIVE ECONOMICS CONCENTRATION (40 units)

A. Completion of Common Core Requirements (18 units)

B. Lower Division Requirements (7 units)

- CIS 270. Introduction to Computers & Data Processing (3)
or
- CSC 111. Introduction to Computers and Basic Programming I (3)
- MAT 171. Survey of Calculus for Management and Life Sciences I (4)

C. Upper Division Requirements (15 units)

Required Course

- ECO 351. Introduction to Econometrics (3)

Two courses selected from the following (6 units):

- ECO 322. Money and Banking (3)
- ECO 327. Public Finance (3)
- ECO 330. Labor Economics (3)
- ECO 340. International Trade Theory (3)
- ECO 341. International Finance (3)
- ECO 345. Economic Development (3)

Two additional upper division courses in Economics (6 units)

MINOR REQUIREMENTS (18 units)

Lower Division Requirements (6 units)

- ECO 210. Economic Theory 1A (Microeconomics) (3)
- ECO 211. Economic Theory 1B (Macroeconomics) (3)

Upper Division Requirements (12 units)

A. Required Courses (6 units)

- ECO 310. Intermediate Microeconomic Theory (3)
- ECO 311. Intermediate Macroeconomic Theory (3)

B. One course selected from the following (3 units):

- ECO 322. Money and Banking (3)
- ECO 327. Public Finance (3)
- ECO 340. International Trade Theory (3)
- ECO 341. International Finance (3)
- ECO 345. Economic Development (3)

C. One course selected from the following (3 units):

- ECO 315. American Economic History (3)
- ECO 330. Labor Economics (3)
- ECO 350. Quantitative Economic Analysis (3)
- ECO 351. Introduction to Econometrics (3)
- ECO 375. Industrial Organization and the American Economy (3)
- ECO 380. The Economics of Urban Areas (3)
- ECO 384. Economics of Health (3)

COURSE OFFERINGS IN ECONOMICS**Lower Division**

ECO 200 CONTEMPORARY ECONOMIC ISSUES AND PROBLEMS (3). An examination of contemporary economic institutions, issues, and problems as they affect various groups in our society. Familiarization with basic analytical tools and techniques necessary for studying current issues. Three hours of lecture per week.

ECO 210 ECONOMIC THEORY 1A MICROECONOMICS (3). Introductory microeconomic theory; resource allocation, output determination; production theory, income distribution. Three hours of lecture per week.

ECO 211 ECONOMIC THEORY 1B MACROECONOMICS (3). Introductory macroeconomic theory; national income accounting, national income determination, monetary and fiscal policy. Three hours of lecture per week.

ECO 230 STATISTICS FOR ECONOMICS (3). *Prerequisite: MAT 101 or high school algebra.* Introduction to probability theory, estimation of population proportions, means, variances, hypothesis tests, statistical inference and decision-making using multivariate analysis, basic regression analysis, and Bayesian techniques; computer assisted workshops/studies. Three hours of lecture per week.

Upper Division

ECO 310 INTERMEDIATE MICROECONOMIC THEORY (3). *Prerequisite: ECO 210.* Role of prices in product and factor markets, principles of production and costs, business behavior under various types of market structure, general equilibrium and welfare economics. Three hours of lecture per week.

ECO 311 INTERMEDIATE MACROECONOMIC THEORY (3). *Prerequisite: ECO 211.* Measurements and analysis of the determinants of national income, employment and the general price level. Theoretical foundations of contemporary monetary and fiscal policies. Three hours of lecture per week.

ECO 315 AMERICAN ECONOMIC HISTORY (3). 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. Three hours of lecture per week.

ECO 322 MONEY AND BANKING (3). *Prerequisites: ECO 210 and ECO 211.* Nature and functions of money and its relation to prices; the monetary system of the United States; the functions of banks, bank-credit, foreign exchange and monetary control. Three hours of lecture per week.

ECO 327 PUBLIC FINANCE (3). *Prerequisites: ECO 210 and ECO 211.* Economic principles underlying public administration. Concepts of socially efficient resource allocation and provision of public goods. Emphasis on fiscal functions of federal, state and local governments, the allocation of resources between government and private use. Three hours of lecture per week.

ECO 330 LABOR ECONOMICS (3). *Prerequisite: ECO 210 or consent of instructor.* Analysis of supply and demand for labor, wage determination, investment in human capital, minimum wage laws and the economics of collective bargaining. Taught with either general focus or special focus; e.g., women, disadvantaged groups and unions. Three hours of lecture per week.

ECO 332 THEORY AND PRACTICE OF COLLECTIVE BARGAINING (3). An analysis of the process and results of determining wage levels, wage structures, and working conditions through collective bargaining. Three hours of lecture per week.

ECO 340 INTERNATIONAL TRADE THEORY (3). *Prerequisites: ECO 210 and ECO 211.* Classical and modern theories of international trade, theory and practice of protection, commercial policies, balance of payment adjustments and regional trade organizations. Three hours of lecture per week.

ECO 341 INTERNATIONAL FINANCE (3). *Prerequisites: ECO 210 and ECO 211.* Analysis of international financial transactions, capital movements, international financial organizations, balance of payments, key currencies and exchange rates. Comparison of alternative international monetary systems. Three hours of lecture per week.

ECO 345 ECONOMIC DEVELOPMENT (3). *Prerequisites: ECO 210 and ECO 211.* Theories of economic development. Contemporary economic structure of low income countries. Causes of limited economic growth. Policy alternatives. Three hours of lecture per week.

ECO 350 QUANTITATIVE ECONOMIC ANALYSIS (3). *Prerequisites: ECO 210 and ECO 310.* Construction and application of mathematical models to economic and business decision-making. Modeling techniques including the Lagrange multiplier technique, optimal control theory, and differential game theory. Two hours of lecture and two hours of technical activity.

ECO 351 INTRODUCTION TO ECONOMETRICS (3). *Prerequisites: ECO 230 and MAT 101 or high school algebra.* Application of statistical techniques to the problem of testing the validity of behavioral relationships suggested by economic theory. Topics include regression analysis, time series models, forecasting, and decision making. Applications performed on the computer. Two hours of lecture and two hours of technical activity.

ECO 375 INDUSTRIAL ORGANIZATION AND THE AMERICAN ECONOMY (3). *Prerequisites: ECO 210 and ECO 211.* Current issues of industrial organization, concentration, and diversification. Anti-trust policy. Three hours of lecture per week.

ECO 380 THE ECONOMICS OF URBAN AREAS (3). 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. Three hours of lecture per week.

ECO 384 ECONOMICS OF HEALTH (3). *Prerequisite: ECO 210 or consent of instructor.* Deals with topics such as supply and demand for health services, prices and cost of health care, fiscal resources and allocations, health insurance and methods of reimbursement, and influences of Medicaid and Medicare and health care consumption and delivery. Three hours of lecture per week.

ECO 494 INDEPENDENT STUDY (2-3)* *Prerequisites: ECO 210 and ECO 211, and consent of instructor are recommended.* Individual study of some topic or problem under the supervision of a member of the Economics Department.

*Repeatable course.

ECO 495 SPECIAL TOPICS IN ECONOMICS (3).* A course focusing on selected topics in economics, such as economics of inflation, health, education, ecology, oil spills, and risk and insurance. Three hours of lecture per week.

Graduate

Graduate standing is prerequisite to enrollment in graduate (500 level) courses.

ECO 501 GENERAL ECONOMIC THEORY (3). 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. Three hours of lecture per week.



EDUCATION - Graduate Education

MASTER OF ARTS - EDUCATION

- Computer-Based Education Option
- Counseling Option
- Teaching/Curriculum Option
- Educational Administration Option
- Individualized Program Option
- Multicultural Option
- Physical Education Option (see entry under Physical Education section)

MASTER OF ARTS - SPECIAL EDUCATION

CREDENTIALS

- Administrative Services
- Bilingual/Crosscultural Specialist
- Pupil Personnel Services
- School Counseling
- School Psychology
- Special Education Specialist
- Learning Handicapped
- Severely Handicapped
- Special Education Resource Specialist

CERTIFICATE

- Computer-Based Education
- Cross Cultural Special Education

FACULTY

Doris Okada, Department Chair

Charmayne Bohman, Robert Calatrello, Muriel Carrison, Maximiliano Contreras, James Cooper, Peter Desberg, Hymen Goldman (Emeritus), Robbe Henderson, Marjorie Holden, Judith Jackson, Louis Murdock, James Parker, Dale Scherba, Karlton Skindrud, Judson Taylor, Donald Woodington (Emeritus)

Donna Alderman, Department Secretary
HFA C-308, (213) 516-3522

PROGRAM DESCRIPTION

The Graduate Education Program is designed to provide knowledge and understanding of the basic foundations and theories of education as well as advanced training in specific fields. The curriculum objectives seek to promote a blending of theory and practice to assist students who seek advancement within their chosen field in education, public service or private industry.

The comprehensive program at CSU Dominguez Hills includes a master of arts in education with eight options, a master of arts in special education, six credential programs and two certificate programs. In many instances, M.A. programs and credential programs can be combined.

FEATURES

The Graduate Education curriculum is designed to meet the needs of the full-time working professional by offering a full program of courses in the late afternoon and evening. Courses are offered so that degree requirements may be completed on a part-time basis over a period of two years or four semesters. Each student works closely with an advisor to plan a program that meets the individual needs of the student.

The urban location of the University provides a unique opportunity for working with a diverse cultural and ethnic population both in classes and in field experiences. Faculty maintain a close, working relationship with their professional colleagues in the field, and thus are well qualified to bring a high degree of practical

expertise and relevancy to their teaching. The department takes pride in offering the practicum courses, which enable students to experience practice experiences in a supervised setting for every option. These classes tend to be smaller than the theory classes to allow for synthesis of theory and practice, which is essential to a quality professional educational program.

ACADEMIC ADVISEMENT

Students are assigned an advisor as soon as they submit an application to the Graduate Education Department for a specific program (master's degree, credential, or certificate). Students who are uncertain about which program best meets their needs may meet with the department chairperson to explore the possibilities that may meet their particular professional needs.

Once an advisor has been assigned, the student must confer with the advisor each quarter prior to registration to insure that the student is taking the appropriate coursework in the proper sequence.

An Advisement Handbook that outlines the procedures necessary to move successfully through the program, including the graduation requirements, is available in the Graduate Studies Department Office. Students who have been accepted to one of the programs should request a copy of the handbook.

Faculty keep regularly scheduled office hours and are available during those hours to talk with students in person or on the telephone.

CAREER OPPORTUNITIES

Graduates typically find employment in public and private school systems, community agencies, private industry and health services.

REQUIREMENTS FOR ADMISSION TO THE GRADUATE PROGRAMS IN EDUCATION

Admission as a classified graduate student in education requires:

- admission to the University;
- a baccalaureate degree from a regionally accredited college or university;
- a minimum of 2.75 grade point average in the last 60 units attempted;
- three recommendations from individuals who can evaluate the applicant's potential for graduate study; and
- a personal interview with one of the following: faculty advisor, interview committee or department chair.
- completion of Graduate Writing Competency

Applicants who do not meet the minimum grade point average may submit a Miller's Analogies Test (MAT) score of "40" or above in lieu of the 2.75 G.P.A. The MAT is given by appointment at the University Testing Office. Students may transfer nine (9) units of previous coursework as long as those nine (9) units were not used to complete requirements for another degree, are appropriate to the degree program to which they are admitted at CSU Dominguez Hills and were completed within the five year period for the degree.

Admission Procedures

Applications are accepted as long as room for new students exists. However, students are strongly urged to apply by June 1 for the fall semester and November 1 for the spring semester to allow adequate time for processing registration materials.

All prospective graduate students, including CSU Dominguez Hills graduates, must file the following with the CSU Dominguez Hills Admissions Office:

- an application for admission and a supplemental application for graduate admissions
- two sets of official transcripts from all colleges and universities attended other than CSU Dominguez Hills.

At the same time, each applicant must file a separate application with a copy of each transcript for the specific program to the Graduate Education Office. A decision regarding admission will be made within six weeks of receipt of application, recommendations and completion of personal interview. The decision regarding admission will be mailed to the applicant.

Advancement to Candidacy

Each student must file an application for advancement to candidacy for the master's degree indicating the proposed program of graduate study. This procedure should begin as soon as the classified graduate student has:

1. removed any deficiencies in admissions requirements,
2. met the graduate writing competency, and for the

M.A. in Education

- completed at least nine (9) units in the graduate program with a minimum 3.0 grade point average, including GED 500, GED 501, or GED 503

M.A. in Special Education

- completed at least nine (9) units in the graduate program with a minimum 3.0 grade point average, including GED 500, GED 561, GED 562, GED 563

Advancement to Candidacy forms are filled out by the student's advisor after the student's program has been outlined for completion of the Master's degree.

Degree Requirements

The master of arts in Education and Special Education require completion of 30 units of course work with a minimum 3.0 grade point average. A minimum of 21 semester units must be completed in residence. Courses taken previously may be used to meet the course content requirements of a graduate program if they have been completed within the five years immediately preceding the completion of the requirements for the degree. However, no courses may apply toward the required number of units of approved graduate work that have been used to meet the requirements of another degree.

Students may take up to five years to complete the coursework, including the thesis or exams. Coursework that does not meet the five-year deadline will have to be repeated.

A Graduate Writing Competency requirement must be met by all students prior to advancement to candidacy. This requirement can be met on the CSU Dominguez Hills campus by attaining a passing score of "B" on the GWE or with a passing grade of at least a "BC" in one of the certified courses on this campus. Education students typically take English 350 to meet this requirement.

Completion of Degree

Prior to the completion of 21 semester units (including core courses) the graduate student must select one of the following alternatives unless otherwise specified:

Alternative I: Coursework and Thesis (30 units)

1. Complete approved program with a minimum of 24 units of coursework with at least a B (3.0) average (including core courses).
2. Complete approved thesis or creative project (6 units). See advisor for thesis preparation guidelines. Students may enroll for thesis credit after completing 21 hours of coursework with at least a "B" average.

Alternative II: Coursework and Examinations (30 units)

1. Complete an approved program of 30 units of coursework with at least a "B" (3.0) average (including core courses).
2. Pass a comprehensive written examination.

MAJOR REQUIREMENTS - MA - EDUCATION

Common Core Requirements (9 units)

- GED 500. Research Methods in Education (3)
- GED 501. Seminar in Learning and Development (3)
- GED 503. Socio-Cultural Issues in Education (3)

COMPUTER BASED EDUCATION OPTION (30 units)

Prerequisite course

- CSC 111. Introduction to Computers and Basic Programming (3) or equivalent course

A. Completion of Common Core Requirements (9 units)

B. Required Courses (21 units)

- GED 505. Evaluation and Program Monitoring in Education (3)
- GED 510. Process of Curriculum Development (3)
- GED 535. Introduction to Computers in Education (3)
- GED 536. Preparing Computer Assisted Instruction (3)
- GED 537. Logo For Teachers (3)
- GED 538. CAI Final Project* (3) or
- GED 599. Thesis (6)+

*if GED 538 is chosen a 3 unit elective to be selected, with approval of advisor, to complete 30 unit requirement.

COUNSELING OPTION (30 units)

Prerequisite courses

- PSY 360. Theories of Personality (3) or
- GED 460. Introduction to Exceptional Children (3)+

A. Completion of Common Core Requirements (9 units)

B. Required Courses (21 units)

- GED 506. Law and Ethics in Public Education (3)
- GED 580. Seminar in Techniques of Individual Counseling (3)+
- GED 581. Principles of Educational and Psychological Assessment (3)
- GED 582. Group Dynamics for Personal Growth (3)
- GED 586. Seminar in Counseling Children & Adolescents (3)

Select two courses from the following to complete the 30 unit requirement (6 units)

- GED 540. Seminar in Educational Assessment and Evaluation (3)
 - GED 544. Seminar in Behavior Change (3)
 - GED 583. Seminar in Career and Vocational Guidance (3)+
 - GED 584. Seminar in Techniques of Group Counseling (3)+
 - GED 588. Seminar in Intervention Strategies (3)
- Other courses may be selected with consent of advisor.

TEACHING/CURRICULUM OPTION (30 units)

A. Completion of Common Core Requirements (9 units)

B. Required Courses (9 units)

- GED 510. Process of Curriculum Development (3)
- GED 535. Introduction to Computers in Education (3)

In addition to the above required course, students should select at least one curriculum seminars:

- GED 515. Seminar in Curriculum Development in Reading and the Language Arts (3)

GED 516. Seminar in Curriculum Development in Science and Math (3)

GED 517. Seminar in Curriculum Development in the Humanities and Social Sciences (3)

C. Electives (12 units)

Select 12 units of electives from the following courses to complete the 30 unit requirement:

- GED 505. Evaluation and Program Monitoring in Education (3)
 - GED 508. Seminar in Issues in Education (3)
 - GED 512. Values and Teaching (3)
 - GED 513. Children's Literature (3)
 - GED 570. Supervision of Instruction (3)
 - GED 581. Principles of Educational and Psychological Assessment (3)
 - GED 599. Thesis (1-6)+
- TED courses may be used with consent of advisor

EDUCATIONAL ADMINISTRATION OPTION (31 units)

A. Completion of Common Core Requirements (9 units)

B. Required Courses (22 units)

- GED 506. Law and Ethics in Public Education (3)
- GED 510. Process of Curriculum Development (3)
- GED 570. Supervision of Instruction (3)
- GED 571. School Management and Finance (3)
- GED 574. Governance and Politics of Education (3)
- GED 582. Group Dynamics for Personal Growth (3)
- PUB 508. Seminar in Public Personnel and Labor Relations (4)+

MULTICULTURAL OPTION (30 units)

A. Completion of Common Core Requirements (9 units)

B. Required Courses (21 units)

- GED 520. The Teaching of English to Speakers of Other Languages (3)
- GED 521. Seminar in Mexican-American and Hispanic Education (3)
- GED 522. Teaching Reading and Literacy in Spanish (3)
- GED 525. Bilingual-Multicultural Teaching Methods (3)
- GED 590. Field Study in Mexican-American Administration and Curriculum (3, 3)

AND

Select three (3) additional units from Education, Mexican-American Studies or Spanish to complete the 30 unit requirement.

PHYSICAL EDUCATION OPTION (30 units)

A. Completion of Common Core Requirements (9 units)

B. Required Courses (21 units)

- PED 500. Seminar in Contemporary Issues/Topics and Trends in Physical Education (3)
- PED 502. Seminar in Effective Leadership in Physical Education (3)
- PED 504. Physical Fitness Evaluation and Exercise Prescription (3)+
- PED 506. Instructional Product Design in Physical Education (3)
- PED 508. Instructional Product Development in Physical Education (3)
- PED 510. Seminar in Physical Education Public Information (3)
- PED 599. Physical Education: Thesis (3)+

Electives to be selected with approval of advisor to complete the 30 unit requirement (6 units).

INDIVIDUALIZED PROGRAM OPTION (30 units)

- A. Completion of Common Core Requirements (9 units)
- B. Select 21 units (6 must be 500 level) with approval of advisor, appropriate for an individualized concentration in Education to complete the 30 unit requirement.

MAJOR REQUIREMENTS - MA SPECIAL EDUCATION

The master of arts in Special Education requires completion of 30 units of coursework with a minimum 3.0 grade point average. A minimum of 21 semester units must be completed in residence. Courses taken previously may be used to meet the course content requirements of a graduate program if they have been completed within the five years immediately preceding the completion of the requirements for the degree. However, no courses may apply toward the required number of units of approved graduate work that have been used to meet the requirements of another degree.

Students may take up to five years to complete the coursework, including the thesis or exams. Coursework which does not meet the five-year deadline will have to be repeated.

A Graduation Writing Assessment Requirement must be met by all students. This requirement can be met on the CSU Dominguez Hills campus by attaining a passing score of "8" on the GWE or with a passing grade of a "BC" in one of the certified courses offered on this campus. Education students typically take English 350 to meet this requirement.

Prerequisite Course

GED 460. Introduction to Exceptional Children (3)+

Required Core Courses (22 units)

- GED 500. Research Methods in Education (3)
- GED 558. Classroom Management of Exceptional Children (3)
- GED 559. Generic Practicum with Exceptional Children (4)
- GED 560. Speech and Language Development, Disorders and Remediation (3)
- GED 561. Developmental Problems of Exceptional Children (3)
- GED 562. Advanced Behavior Management Methods for Individuals with Severe Emotional Disturbances (3)
- GED 563. Counseling, Vocational and Transition Education of the Disabled (3)

Electives (minimum of 8 units)

- GED 507. Special Education: Research and Trends (1-3)
- GED 564. Assessment of Children and Adolescents with Severe Handicaps (3)
- GED 565. Curriculum and Instruction for the Severely Handicapped (3)
- GED 566. Practicum: Directed Teaching with the Severely Handicapped (5)
- GED 567. Diagnosis and Prescription for the Learning Handicapped (3)
- GED 568. Curriculum Instruction for the Learning Handicapped (3)
- GED 569. Practicum: Directed Teaching with the Learning Handicapped (5)
- GED 591. Current Issues in Special Education(2)+

SPECIALIST AND SERVICE CREDENTIAL PROGRAMS REQUIREMENTS

The Specialist and Services Credentials require specific coursework to meet competencies specified by the Commission on Teacher Credentialing. Students must receive a "BC" in each course or repeat that course to meet the competency requirements.

A description of each credential and the courses required follows:

ADMINISTRATIVE SERVICES CREDENTIAL

The Administrative Services Credential Program at CSU Dominguez Hills is an interdisciplinary program designed to prepare educators for leadership positions in elementary and secondary schools and certain district level positions. The program is comprised of two tiers. The first tier, the Preliminary Administrative Services Credential, authorizes service in positions serving grades kindergarten through 12, and is valid for a period of five years from date of issuance or three years from date of initial employment as an administrator, whichever is later. This credential is not renewable. The second tier, the Professional Administrative Services Credential which also authorizes service in grades kindergarten through 12 is valid for a period of five years and is renewable. A valid preliminary Administrative Services Credential is required for admission to the second tier (Professional Administrative Services Credential program). Before the candidate is permitted to undertake the fieldwork portion of the program and before the Professional Administrative Services Credential can be granted, the candidate must be employed in a position requiring a valid Administrative Services Credential. Every effort is made to integrate credential and master's degree program for the benefit of the students.

PRELIMINARY CREDENTIAL (34 units)

This program is a competency based program for the schools, particularly elementary, junior and senior high school principals and Vice-principals, and certain district level positions. Students should consult with their advisors concerning the second level of training which is additional training beyond the first level described below.

Admission Requirements

- Three years full-time teaching experience in a public or private school or three years experience in Pupil Personnel Services.
- A 2.75 grade point average in last 60 units of college work.
- Possession of a valid California Teaching Credential or Pupil Personnel Services Credential.
- A personal interview and 3 confidential recommendations.
- Pass California Basic Educational Skills Test (CBEST)

Prerequisite Course

TED 405. Mainstreaming Children with Special Needs (3)

Required Courses (34 units)

- GED 501. Seminar in Learning and Development(3)
- GED 503. Socio-Cultural Issues in Education (3)
- GED 506. Law and Ethics in Public Education (3)
- GED 510. Process of Curriculum Development (3)
- GED 570. Supervision of Instruction (3)
- GED 571. School Management and Finance (3)
- GED 574. Governance and Politics of Education(3)
- GED 582. Group Dynamics for Personal Growth (3)
- PUB 508. Seminar in Public Personnel and Labor Relations (4)+ or
- GED 514. Los Angeles Unified School District Academy Personnel Seminar (3)
- GED 593. Internship in School Administration and Supervision (3, 3)+

+Consult course description for prerequisite(s).

PROFESSIONAL CREDENTIAL (27 units)

The following courses comprise the Professional Administrative Services Credential Program

Prerequisite

A valid Preliminary Credential

Required Courses

- GED 572. Pre-Assessment Seminar (1)
- GED 573. Post-Assessment Seminar (1)
- GED 575. Organizational Theory and Behavior (3)
- GED 576. Instructional Leadership (3)
- GED 577. Management of Human and Material Resources (3)
- GED 578. Evaluation and Technology (3)
- GED 596. Advanced Internship in School Administration and Supervision (9)
- GED 504. Extramural Professional Seminar (2) or
- GED 587. Seminar in Urban Leadership (2)

PUPIL PERSONNEL SERVICES CREDENTIALS**Admission Requirements**

- Career objectives consistent with the proposed course of study
- Confidential recommendations
- Personal interview
- A 2.75 grade point average in the last 60 units of college work
- Pass California Basic Educational Skills Test (CBEST)

SCHOOL COUNSELING CREDENTIAL (36 units)

The School Counseling Credential authorizes students to provide a wide range of pupil personnel services in the public schools. In addition to individual and group counseling skills, counselors will be trained as school resource persons in areas relating to student problems and career guidance.

Prerequisite Course*

PSY 360. Theories of Personality (3)

Required Courses

- GED 460. Introduction to Exceptional Children (3)+
- GED 480. Organization and Administration of Pupil Personnel Services (3)
- GED 501. Seminar in Learning and Development (3)
- GED 506. Law and Ethics in Public Education (3)
- GED 580. Seminar in Techniques of Individual Counseling (3)
- GED 581. Principles of Educational and Psychological Assessment (3)
- GED 582. Group Dynamics for Personal Growth (3)
- GED 583. Seminar in Career and Vocational Guidance (3)
- GED 584. Seminar in Techniques of Group Counseling (3)
- GED 586. Seminar in Counseling Children and Adolescents (3)
- GED 597. Fieldwork in Counseling (3, 3)+

*Students may substitute GED 588. Seminar in Intervention Strategies (3), for the prerequisite course.

SCHOOL PSYCHOLOGY CREDENTIAL (60 units)

The School Psychology Credential program is designed to meet the professional needs of college graduates who wish to pursue a career in school psychology, or for professional educators who wish an alternative career path within education. The program shares a common core with school counseling and then allows students to complete the option with specialized advanced work in school psychology. An M.A. in an appropriate field is required. Subject to CTC requirements, a School Counseling credential may be prerequisite to receiving the School Psychology Credential. Students should see their advisor.

Prerequisite Course

PSY 360. Theories of Personality (3)

Required Courses

- GED 460. Introduction to Exceptional Children (3)+
- GED 480. Organization and Administration of Pupil Personnel Services (3)
- GED 500. Research Methods in Education (3)
- GED 501. Seminar in Learning and Development (3)
- GED 503. Socio-Cultural Issues in Education (3)
- GED 506. Law and Ethics in Public Education (3)
- GED 580. Seminar in Techniques of Individual Counseling (3)
- GED 581. Principles of Educational and Psychological Assessment (3)
- GED 582. Group Dynamics for Personal Growth (3)
- GED 584. Seminar in Techniques of Group Counseling (3)
- GED 586. Seminar in Counseling Children and Adolescents (3)
- GED 588. Seminar in Intervention Strategies (3)
- GED 560. Speech and Language Development Disorders and Remediation (3)
- GED 561. Developmental Problems of Exceptional Children (3)
- GED 540. Seminar in Educational Assessment and Evaluation (3)
- GED 541. Case Study Methods for School Psychology (3)
- GED 542. Assessment Theory and Techniques for Linguistically and Culturally Different (3)
- GED 544. Seminar in Behavior Change (3)
- GED 598. Fieldwork for School Psychologists (3,3)+

BILINGUAL/CROSS CULTURAL SPECIALIST CREDENTIAL (27 units)

The Bilingual/Crosscultural Specialist Credential offers leadership opportunities in public schools. Career possibilities include resource teacher and project director positions, curriculum development, and a program evaluation assignment.

Admissions Requirements

- Possess a valid California Basic Teaching Credential
- A 2.75 grade point average in the last 60 units of college work
- Two recommendations regarding potential for graduate level work

Required Courses (18 units)

- GED 520. The Teaching of English to Speakers of Other Languages (3)
- GED 521. Seminar in Mexican-American and Hispanic Education (3)
- GED 522. Teaching Reading and Literacy in Spanish (3)
- GED 525. Bilingual Multicultural Teaching Methods (3)
- GED 590. Field Study in Mexican-American Administration and Curriculum (6)+

Electives (9 units)

With an advisor select nine units from Education, Mexican-American Studies or Spanish courses to complete the 24 units requirement.

SPECIAL EDUCATION RESOURCE SPECIALIST CERTIFICATE (9 units)

This program is offered to teachers holding a clear Special Education Specialist Credential who wish to serve handicapped students who spend the majority of the day in the regular classroom. Required of all resource specialists hired since June 1981, the certificate provides the additional competencies in program coordination, legal compliance, consultation, staff development, parent education, and advanced services needed to successfully fulfill the role of the resource specialist in the public schools.

Admission Requirements

- Possession of a clear California Special Education Specialist Credential, or a clear Clinical Services Credential in Language, Speech and Hearing with Special Class Authorization.
- Three years of successful full-time teaching experience verified by district letter(s) and three professional references.

Required Courses

- GED 527. Resource Specialist I: Program Planning (3)+
- GED 528. Resource Specialist II: Indirect Services (3)
- GED 529. Resource Specialist III: Advanced Services (3)

SPECIAL EDUCATION CREDENTIALS (33 units)

The Special Education program is designed to offer students both generic and advanced specialization training in the delivery of special education services to exceptional children. The basic generic program prepares candidates in principles and techniques applicable with all types of exceptional children.

Advanced concentrations are offered in two areas: (1) Severely Handicapped (trainable mentally retarded, developmentally handicapped, multi-handicapped, and autistic); and (2) Learning Handicapped (learning disabled and educable mentally retarded). All students complete the basic generic program and then select one or both of the above concentrations.

The specialist credential prepares the graduate for a special class or resource room teaching position in public, private, residential, hospital or correctional schools.

Admission Requirements

- A bachelor's degree from a regionally accredited college or university.
- A valid basic teaching credential for the state of California or current enrollment in the university's basic credential program.
- Professional references and a personal interview.

LEARNING HANDICAPPED CREDENTIAL (33 units)**Required Courses (33 units)**

- GED 460. Introduction to Exceptional Children (3)+
- GED 558. Classroom Management of Exceptional Children (3)
- GED 559. Generic Practicum with Exceptional Children (4)
- GED 560. Speech and Language Development, Disorders and Remediation (3)
- GED 561. Developmental Problems of Exceptional Children (3)
- GED 562. Advanced Behavior Management Methods for Individuals with Severe Emotional Disturbances (3)
- GED 563. Counseling, Vocational and Transition Education of the Disabled (3)
- GED 567. Diagnosis and Prescription for the Learning Handicapped (3)
- GED 568. Curriculum and Instruction for the Learning Handicapped (3)
- GED 569. Practicum: Directed Teaching with the Learning Handicapped (5)

Recommended Courses (3-5 units)

- GED 507. Special Education: Research and Trends (1-3)
- GED 591. Current Issues in Special Education (2)+

SEVERELY HANDICAPPED CREDENTIAL (33 units)**Required Courses (33 units)**

- GED 460. Introduction to Exceptional Children (3)+
- GED 558. Classroom Management of Exceptional Children (3)

- GED 559. Generic Practicum with Exceptional Children (4)
- GED 560. Speech and Language Development, Disorders and Remediation (3)
- GED 561. Developmental Problems of Exceptional Children (3)
- GED 562. Advanced Behavior Management Methods for Individuals with Severe Emotional Disturbances (3)
- GED 563. Counseling, Vocational and Transition Education of the Disabled (3)
- GED 564. Assessment of Children and Adolescents with Severe Handicaps (3)
- GED 565. Curriculum and Instruction for the Severely Handicapped (3)
- GED 566. Practicum: Directed Teaching with the Severely Handicapped (5)

Recommended Courses (3-5 units)

- GED 507. Special Education: Research and Trends (1-3)
- GED 591. Current Issues in Special Education (2)+

CERTIFICATE REQUIREMENTS

The Department of Graduate Studies offers a certificate program, in Computer Based Education.

COMPUTER BASED EDUCATION CERTIFICATE (12 units)

The Computer Based Education Certificate program consists of five courses for a total of 12 semester units. The Certificate should be of interest to educators from a variety of backgrounds; including elementary teachers, special educators, administrators, and college instructors. Many already hold the M.A. or Ph.D. degree and simply want to gain a computer based education capability without enrolling in another degree program.

Prerequisite Course

- CSC 111. Introduction to Computers and Basic Programming (3)

Required Courses

- GED 535. Introduction to Computers in Education (3)+
- GED 536. Preparing Computer Assisted Instruction (3)
- GED 537. Logo For Teachers (3)
- GED 538. CAI Final Project (3) or
- GED 539. Computer Aided Basic Skills (3)

CROSS CULTURAL SPECIAL EDUCATION CERTIFICATE (18 units)**Required Courses**

- GED 420. Education of the Mexican-American and Hispanic Student (3) (or equivalent course pertaining to other ethnic and linguistic populations)
- GED 520. The Teaching of English to Speakers of Other Languages (3)
- GED 525. Bilingual-Multicultural Teaching Methods (3)
- GED 542. Assessment Theory and Techniques for Linguistically and Culturally Different (3) or
- GED 564. Assessment of Children and Adolescents with Severe Handicaps (3) or
- GED 567. Diagnosis and Prescription for the Learning Handicapped (3)
- GED 560. Speech and Language Development, Disorders and Remediation (3)
- GED 565. Curriculum and Instruction for the Severely Handicapped (3) or
- GED 568. Curriculum and Instruction for the Learning Handicapped (3)

COURSE OFFERINGS IN GRADUATE EDUCATION

Upper Division

GED 420 EDUCATION OF THE MEXICAN-AMERICAN AND HISPANIC STUDENT (3). Study of the special educational problems of Mexican-American and Hispanic students. Review of historical and cultural bases, with special emphasis on research and innovative pedagogical methods for improving the curriculum of the bilingual learner. Three hours of lecture per week.

GED 460 INTRODUCTION TO EXCEPTIONAL CHILDREN (3). *Prerequisites:* TED 305 and TED 402. Reviews the field of exceptionality including behavioral and learning characteristics of handicapped pupils in terms of developmental and program needs. Covers the current eligibility criteria, legal rights and exemplary school programs for the learning, severely, physically, visually and communication handicapped. Three hours of lecture per week.

GED 480 ORGANIZATION AND ADMINISTRATION OF PUPIL PERSONNEL SERVICES (3). Overview of pupil personnel services with emphasis on current approaches to counseling and educational psychology in the school setting. Examination of organization of pupil personnel services. Three hours of lecture per week.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

GED 500 RESEARCH METHODS IN EDUCATION (3). Examination of assumptions and techniques of educational research. Review of pertinent research studies emphasizing their applicability to educational problems. Statistical concepts, research methodology and computer applications are included. Three hours of lecture per week.

GED 501 SEMINAR IN LEARNING AND DEVELOPMENT (3). Theory, research and practice related to learning and development. Emphasis on biological and psychological factors in individual differences. Includes study of affective and cognitive development. Three hours of lecture per week.

GED 503 SOCIO-CULTURAL ISSUES IN EDUCATION (3). Examines the total process of socialization and the effects of cultural determinants on human development and learning. Considers the school as an agent of socialization. Change agent role of school personnel is explored. Three hours of lecture per week.

GED 504 EXTRAMURAL PROFESSIONAL SEMINAR (2). Extramural professional seminars might include work completed through California Leadership Academy seminars, ACSA seminars, or other mutually agreed upon Non-IHE seminars. In advance, the student/employee, his/her school district designee and university program advisor will plan and approve the credit allowed.

GED 505 EVALUATION AND PROGRAM MONITORING IN EDUCATION (3). *Prerequisite:* GED 500. 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. Three hours of lecture per week.

GED 506 LAW AND ETHICS IN PUBLIC EDUCATION (3). Examines statutory regulations relating to pupils and school personnel, including legal and ethical provisions for school personnel. Use of community resources of a legal and/or social nature for handling problems pertinent to public education. Three hours of lecture per week.

GED 507 SPECIAL EDUCATION: RESEARCH AND TRENDS (1-3).* Emphasis on accomplishments, current trends and future issues in special and remedial education. Participants will attend mini-workshops covering current and promising practices in the field. Lecture sessions will feature nationally recognized speakers. A \$10 materials fee may be charged. CR/NC grading. One to three hours of lecture per week.

GED 508 SEMINAR IN ISSUES IN EDUCATION (3). Identification of significant issues in education. Includes analysis of current relevant research and assignment of reading list. Discussion topics vary from year to year. Three hours of seminar per week.

GED 509 TEACHING METHODS AND MATERIALS FOR CLINICAL SCIENCE (3). 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. Three hours of lecture per week.

GED 510 PROCESS OF CURRICULUM DEVELOPMENT (3). Designed to review contemporary developments in curriculum theory and practice. Course will include experience in development of units of instruction, and the development of criteria for evaluating published curriculum materials. Three hours of lecture per week.

GED 511 SEMINAR IN INSTRUCTIONAL TECHNOLOGY (3). 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. Three hours of seminar per week.

GED 512 VALUES AND TEACHING (3). Exploration of philosophical literature as it relates to values in education. Development of values from early childhood to adolescence. Exploration of personal values. Methods and procedures for teaching values in the classroom. Three hours of lecture per week.

GED 513 CHILDREN'S LITERATURE (3). Survey of children's literature with emphasis on effective teaching strategies to foster reading for enjoyment and understanding. Development of critical and analytical thinking skills is emphasized. Three hours of seminar per week.

GED 514 LOS ANGELES UNIFIED SCHOOL DISTRICT ACADEMY PERSONNEL SEMINAR (3). An overview of public school personnel administration with a specific focus on personnel practices in the LAUSD including State and Local Board policies and regulations governing certificated and classified personnel; state laws governing credentialing, retirement, and collective bargaining. Three hours of seminar per week.

GED 515 SEMINAR IN CURRICULUM DEVELOPMENT IN READING AND THE LANGUAGE ARTS (3). Review of current developments in curriculum theory and practice for Reading and the Language Arts. Includes development of instructional units and use of evaluation criteria for published materials. Three hours of seminar per week.

GED 516 SEMINAR IN CURRICULUM DEVELOPMENT IN SCIENCE AND MATH (3). Review of current developments in curriculum theory and practices for science and math. Includes development of instructional units and use of evaluation criteria for published materials. Three hours of seminar per week.

GED 517 SEMINAR IN CURRICULUM DEVELOPMENT IN THE HUMANITIES AND SOCIAL SCIENCES (3). Review of current development in curriculum theory and practice for the humanities and social sciences. Includes development of instructional units and use of evaluation criteria for published materials. Three hours of seminar per week.

*Repeatable course.

GED 520 THE TEACHING OF ENGLISH TO SPEAKERS OF OTHER LANGUAGES (3). Issues and problems, techniques, procedures, and materials for teaching the dominant language (standard English) to the bilingual and to the bidialectal. Three hours of lecture per week.

GED 521 SEMINAR IN MEXICAN-AMERICAN AND HISPANIC EDUCATION (3). Explores the socio-cultural basis for the past, present and future status of Mexican-Americans and Hispanics with emphasis on legal and political issues. Content and methodological innovation as well as judicial and legislative actions will be analyzed in depth. Issues relating specifically to education will be analyzed in this course. Three hours of seminar per week.

GED 522 TEACHING READING AND LITERACY IN SPANISH (3). Designed to prepare bilingual teachers to use effective methodology to teach literacy and reading to Spanish-speaking bilingual (Spanish-English) children. It includes examination of youngsters' readiness skills in Spanish, and the analysis of different methods to teach reading in Spanish. Three hours of lecture per week.

GED 525 BILINGUAL-MULTICULTURAL TEACHING METHODS (3). The study of selected bilingual approaches to, and methods of, teaching social studies, science, mathematics, and language arts. Techniques for developing bilingual and multicultural teaching materials. Three hours of lecture per week.

GED 527 RESOURCE SPECIALIST I: PROGRAM PLANNING (3). *Prerequisite:* Clear Special Education Credential. Surveys current special education laws and practices regulating appropriate identification, assessment, program planning, placement, parent appeal, and coordination of services for the education of the mildly handicapped in public and private schools. Required for California Resource Specialist Certificate. Three hours of lecture per week.

GED 528 RESOURCE SPECIALIST II: INDIRECT SERVICES (3). *Prerequisite:* GED 527 is recommended. Surveys, demonstrates, and applies indirect service principles to the identification, assessment, modification of curriculum and instruction, selection of community resources, vocational planning, and behavior management of the mildly handicapped in their regular classrooms, homes and communities. Three hours of lecture per week.

GED 529 RESOURCE SPECIALIST III: ADVANCED SERVICES (3). *Prerequisite:* GED 528 is recommended. Updates the participant on advanced consultation content in the areas of teacher effectiveness, behavior management, study and social skills training. Designed to improve the delivery of both direct and indirect services to the mildly handicapped in the educational mainstream. Three hours of lecture per week.

GED 535 INTRODUCTION TO COMPUTERS IN EDUCATION (3). Presents the uses of computers in educational settings, including: computer assisted instruction, criteria for software and hardware selection, computer-assisted testing, and an introduction to programming. Laboratory in educational computing provides experience in the following areas: Word processing, LOGO and BASIC programming, computerized grade books, computer-assisted testing and computer graphics. Two hours of lecture and three hours of laboratory per week.

GED 536 PREPARING COMPUTER ASSISTED INSTRUCTION (3). *Prerequisite:* GED 535; *Corequisite:* GED 537. Prepares students to plan and write drill and practice lessons, tutorials, simulations, tests, and supporting materials for computer assisted instruction. Three hours of lecture per week.

GED 537 LOGO FOR TEACHERS (3). *Prerequisite:* GED 535; *Corequisite:* GED 536. Use of LOGO in teaching: an analysis of pedagogical, psychological and sociological implications for its use in K-12. Comparison of LOGO and BASIC as languages for teaching higher skills.

GED 538 COMPUTER ASSISTED INSTRUCTION FINAL PROJECT (3). *Prerequisites:* GED 536 and GED 537. This capstone activity requires the student to develop, field-test and evaluate the effectiveness of a computer assisted instructional product.

GED 539 COMPUTER AIDED BASIC SKILLS (3). *Prerequisites:* GED 537. Utilizing computers in the teaching of basic skills. The class will include the use of CAI, CMI and utility packages in the area of Language Arts, Math and Science instruction. Three hours of lecture per week.

GED 540 SEMINAR IN EDUCATIONAL ASSESSMENT AND EVALUATION (3). *Prerequisites:* GED 500 and GED 581. Assessment of pupils for educational status through the use of psychoeducational tests and non-test based procedures. Making educational recommendations based on assessment data and how to use assessment data in evaluating pupils of special education placements. Emphasis on cultural considerations in pupil assessment and evaluation. Three hours of seminar per week.

GED 541 CASE STUDY METHODS FOR SCHOOL PSYCHOLOGY (3). *Prerequisite:* GED 540 and GED 581. Provides approaches and procedures for planning and conducting evaluations of psycho-educational evaluations, case study conferences, writing comprehensive reports, reporting test scores, making program recommendations and formulating appropriate educational goals. Three hours of seminar per week.

GED 542 ASSESSMENT THEORY AND TECHNIQUES FOR LINGUISTICALLY AND CULTURALLY DIFFERENT (3). *Prerequisites:* GED 560, GED 460 and GED 581. Theories and techniques for assessing pupils with diverse cultural and linguistic backgrounds. Issues related to second language development, bilingual, cognitive language development and socio-linguistic factors affecting language usage. Three hours of seminar per week.

GED 544 SEMINAR IN BEHAVIOR CHANGE (3). *Prerequisites:* PSY 360 or PSY 465; GED 580. Assessment of psychological and behavioral problems which can affect student learning, motivation and performance. Procedures for designing, implementing and evaluating intervention programs. Emphasis on cultural considerations in assessing student problems and in planning programs for behavior change. Stresses cognitive and behavioral theories and approaches. Three hours of seminar per week.

GED 558 CLASSROOM MANAGEMENT OF EXCEPTIONAL CHILDREN (3). *Prerequisites:* GED 460. Surveys and practices research-based techniques for managing the behavior of mildly and severely handicapped students in special education and integrated settings. Field projects included. Three hours of lecture per week.

GED 559 GENERIC PRACTICUM WITH EXCEPTIONAL CHILDREN (4). *Prerequisite:* GED 460. Supervised practice in assessment and instruction of exceptional children with various disabilities and developmental levels. Includes evaluation and reporting of pupil progress. Allows the candidate to experience the commonalities and differences among special education programs serving the learning, severely, physically, communication and visually handicapped. CR/NC grading.

GED 560 SPEECH AND LANGUAGE DEVELOPMENT, DISORDERS AND REMEDIATION (3). *Prerequisite:* GED 460. Basic concepts of language structure, normal and deviant speech and language development; relevant diagnostic-prescriptive methods for the classroom teacher; appropriate use of specialized services. Three hours of lecture per week.

GED 561 DEVELOPMENTAL PROBLEMS OF EXCEPTIONAL CHILDREN (3). *Prerequisite:* GED 460. Focuses on developmental abnormalities of the mentally retarded and the learning disabled. Surveys the current techniques for the formal assessment of cognitive, adaptive, perceptual, motor and language development in exceptional children. Relates to the instructional planning responsibilities of the special education teacher. Three hours of lecture per week.

GED 562 ADVANCED BEHAVIOR MANAGEMENT METHODS FOR INDIVIDUALS WITH SEVERE EMOTIONAL DISTURBANCES (3). *Prerequisites: GED 558 and GED 460.* Nature and educational treatment of severe behavioral problems in handicapped students. Review of research on effectiveness of various interventions. Development of skills needed to evaluate, manage, and treat these behaviors and successfully coordinate these interventions with appropriate social agencies. Three hours of lecture per week.

GED 563 COUNSELING, VOCATIONAL AND TRANSITION EDUCATION OF THE DISABLED (3). *Prerequisite: GED 460.* Reviews alternatives for career education and transition planning with elementary and secondary special education students in preparation for supported or independent employment and adult life. Examines counseling techniques and community resources for use with disabled students and their parents. Curriculum development and field projects included. Three hours of lecture per week.

GED 564 ASSESSMENT OF CHILDREN AND ADOLESCENTS WITH SEVERE HANDICAPS (3). *Prerequisites: GED 460 and GED 561.* Practice in current informal assessments and instructional planning procedures for infants to adolescents with severe handicaps. Focuses on the assessment of skills leading to functional independence in age-appropriate developmental, domestic, community, recreation/leisure, vocational, and social environments. Three hours of lecture per week.

GED 565 CURRICULUM AND INSTRUCTION FOR THE SEVERELY HANDICAPPED (3). *Prerequisite: GED 564.* Review of current issues and research regarding effective teaching practices with the severely handicapped. Practice in developing and delivering curricula appropriate to the student's developmental and functional needs. Generalization of effective teaching techniques to a variety of content areas and environments. Three hours of lecture per week.

GED 566 PRACTICUM: DIRECTED TEACHING WITH THE SEVERELY HANDICAPPED (5). *Prerequisite: GED 565.* Supervised experience practice teaching in an approved public or private school special education program for severely handicapped students. Focuses on the management of curriculum, behavior, instruction and professional relations appropriate to teaching the severely handicapped in school and community settings.

GED 567 DIAGNOSIS AND PRESCRIPTION FOR THE LEARNING HANDICAPPED (3). *Prerequisites: GED 460 and GED 561.* Practice in the administration, scoring and interpretation of current informal diagnostic tests in the major basic skill areas. Application to the planning of individual educational programs for the learning handicapped. Three hours of lecture per week.

GED 568 CURRICULUM AND INSTRUCTION FOR THE LEARNING HANDICAPPED (3). *Prerequisite: GED 567.* Review of current issues and research regarding teaching practices effective with the learning handicapped. Supervised practice in small group instructional strategies. Generalization of effective teaching techniques to a variety of curricula and content areas appropriate to the needs of the learning handicapped. Three hours of lecture per week.

GED 569 PRACTICUM: DIRECTED TEACHING WITH THE LEARNING HANDICAPPED (5). *Prerequisite: GED 568.* Supervised practice teaching in an approved public or private special education program for learning handicapped students. Focuses on the management of curriculum, behavior, instruction and professional relations appropriate to teaching the learning handicapped in elementary, secondary and post-secondary settings.

GED 570 SUPERVISION OF INSTRUCTION (3). *Prerequisites: GED 501 and GED 510 are recommended.* Historical development and trends of supervision in an educational setting. Current practices and leadership behaviors necessary for the improvement of instruction, staff development, and the evaluation of teaching-learning effectiveness. Students will demonstrate competencies in the approved credential program. Three hours of lecture per week.

GED 571 SCHOOL MANAGEMENT AND FINANCE (3). *Prerequisite: GED 574 is recommended.* The course will focus on decision-making, planning, goal setting, use of research in management, utilization of resources, school finance concepts, funding and budgeting, office and plant management, use of computers in management, and administration of specially funded programs. Students will demonstrate competencies in approved credential program. Three hours of lecture per week.

GED 572 PRE-ASSESSMENT SEMINAR (1). By participating in a series of activities, students will be afforded an assessment of their strengths and needs, which will create opportunities for planning by them, their employing school district and university program advisor. Assessment is achieved through an integration of testing, simulation, interviewing and discussion. An Individual Preparation Program Plan will be the result of assessment (I.P.P.P.).

GED 573 POST-ASSESSMENT SEMINAR (1). By participating in a series of activities that measure the student's professional growth during the professional administrative credential preparation program, the student, his/her employing district designee and university program advisor will determine the level of knowledge and skills developed during his/her Individual Preparation Program Plan (I.P.P.P.). Cooperatively, they will develop the student's continued professional growth plan.

GED 574 GOVERNANCE AND POLITICS OF EDUCATION (3). *Prerequisite: ENG 352 is recommended.* Study of the organization and administration of public school systems and the influences of governmental, political, and social forces in the control and development of educational policy making. Special emphasis on the uniqueness of California. Students will demonstrate competencies in approved credential programs. Three hours of lecture per week.

GED 575 ORGANIZATIONAL THEORY AND BEHAVIOR (3). Human behavior in an organizational context will be studied by exploring group process skills, group management skills, human relations and group dynamics, cooperative planning practices and considerations in designing staff training programs. In addition, advanced theory and applications in achieving compromise and consensus, and informing coalitions will be presented.

GED 576 INSTRUCTIONAL LEADERSHIP (3). Learning and instructional research theory together with strategies that meet diverse pupil needs will be presented. This focus includes the exploration of cultural values, language diversity, bilingual instruction, multicultural and societal needs for improvement of curriculum. Emphasis on the assessment of teaching effectiveness and staff performance, educational trends and issues, and the use of support services to improve instruction will be included.

GED 577 MANAGEMENT AND HUMAN MATERIAL RESOURCES (3). Legal implications of contracts, site and district level funding and budgeting, contract management, the organization and function of school districts, and political forces on educational practice will be presented. In addition, emphasis will be placed on personnel policies, staff utilization patterns, and short and long-term planning procedures.

GED 578 EVALUATION AND TECHNOLOGY (3). Competency in computer applications for administration, technology applied to instructional practices, and attendance accounting will be the goals of this course. Students will study conditions affecting evaluation of pupil learning outcomes to instructional goals.

GED 580 SEMINAR IN TECHNIQUES OF INDIVIDUAL COUNSELING (3). *Prerequisite: GED 480.* An advanced course in counseling techniques appropriate for use in educational and community settings. Students will practice various counseling techniques used to establish a positive relationship with clients and assist them in making desired life changes. Three hours of seminar per week.

GED 581 PRINCIPLES OF EDUCATIONAL AND PSYCHOLOGICAL ASSESSMENT (3). Examines individual and group standardized tests. Course includes an examination of test theory, test bias, techniques and theories for understanding affective, cognitive, and behavioral characteristics of students. Three hours of seminar per week.

GED 582 GROUP DYNAMICS FOR PERSONAL GROWTH (3). Provides a personal growth experience for students. The experiential aspects of the course will provide the basis for an analysis of group dynamics. Application of techniques for understanding self and others and developing good interpersonal skills. Three hours of didactic group experience. CR/NC grading.

GED 583 SEMINAR IN CAREER AND VOCATIONAL GUIDANCE (3). *Prerequisite:* GED 480. Theory and practice of vocational and career guidance. Includes review of current research, sources of vocational information, and practices appropriate for career counseling, including career information. Three hours of seminar per week.

GED 584 SEMINAR IN TECHNIQUES OF GROUP COUNSELING (3). *Prerequisites:* PSY 360 or PSY 465 and GED 480. An advanced course in group counseling techniques appropriate for use in educational and community settings. Developmental issues as they relate to counseling. Approaches for remedial and preventive counseling. Three hours of seminar per week.

GED 586 SEMINAR IN COUNSELING CHILDREN AND ADOLESCENTS (3). *Prerequisites:* PSY 360 or PSY 465 and GED 580. Advanced techniques appropriate for counseling children and adolescents. Exploration of developmental and socio-cultural issues. Prepares counselors for eclectic approach to solving children's and adolescent's problems. Includes diagnosis, crisis interventions, and liaison work with medical and mental health professionals and community agencies. Three hours of seminar per week.

GED 587 SEMINAR IN URBAN LEADERSHIP (2). The seminar will analyze and also offer the opportunity to practice human and technical skills required for success as an urban school teacher. Topics include negotiations, conflict resolution and effective communication. Activities include gaming, simulation and group dynamics.

GED 588 SEMINAR IN INTERVENTION STRATEGIES (3). *Prerequisite:* PSY 360 or PSY 465 and GED 580. Intensive training in intervention strategies of specific counseling modalities appropriate for use in educational and community settings. Emphasis on dynamic approaches. Three hours of seminar per week.

GED 590 FIELD STUDY IN MEXICAN-AMERICAN ADMINISTRATION CURRICULUM (3). *Prerequisites:* GED 520, GED 522 and GED 525. An extensive fieldwork experience in a Mexican-American bilingual/multicultural site, requiring demonstration of performance competencies in curriculum development and administration, assessment, and evaluation. This course is required for the Bilingual Crosscultural Specialist Credential. CR/NC grading.

GED 591 CURRENT ISSUES IN SPECIAL EDUCATION (2). *Prerequisite:* Completion of all coursework leading to the M.A. in Special Education. Designed to help 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. CR/NC grading. Two hours of seminar per week.

GED 592 EDUCATION COURSEWORK SYNTHESIS (3). Designed to assist the graduate student completing the M.A. in education to integrate previous coursework and to research new material in preparation for the master's exam. For all options. May not be used as credit toward the M.A. CR/NC grading. Three hours of seminar per week.

GED 593 INTERNSHIP IN SCHOOL ADMINISTRATION AND SUPERVISION (3). *Prerequisite:* ENG 352 is required; GED 570 and GED 571 are recommended. Supervised field experiences at the school level to include actual job performance in both supervision and administrative work. Students will demonstrate competencies specified in approved programs. CR/NC grading. Three hours of seminar per week.

GED 594 INDEPENDENT STUDY (1-3). *Prerequisite:* Independent study undertaken under the supervision of a faculty member.

GED 596 ADVANCED INTERNSHIP IN SCHOOL ADMINISTRATION AND SUPERVISION (1-9). Under the cooperative guidance of the University and the employing school district, the student will gain competence in the following areas: organizational theory, planning and application; instructional leadership; and evaluation; professional staff development; school law and political relationships; fiscal management; management of human and material resources; cultural and socio-economic diversity.

GED 597 FIELDWORK IN COUNSELING (3). *Prerequisite:* Consent of instructor. Field experience directly related to functions and responsibilities of certificated school counselors. Experience in two different settings, including a cross-cultural experience, is required. CR/NC grading.

GED 598 FIELDWORK FOR SCHOOL PSYCHOLOGISTS (3). *Prerequisite:* Consent of instructor. Supervised training in elementary and secondary school settings. Students must complete a minimum of 90 days of fieldwork and meet competency requirements in psycho-educational assessment, planning and evaluation, counseling, consultation, and behavior management. Course is repeatable for credit until all competencies are completed. CR/NC grading.

GED 599 THESIS (1-6). *Prerequisite:* Consent of Advisor. The student will execute an individually planned research effort or a creative project. Students work under individual supervision with assigned faculty. May be repeated up to six units.

GED 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.



EDUCATION — TEACHER EDUCATION

BASIC CREDENTIAL PROGRAMS

**Multiple Subject Elementary
(Traditional or Intern Programs)**

**Multiple Subject with Bilingual Emphasis
(Traditional or Intern Programs)**

**Single Subject - Secondary
(Traditional or Intern Programs)**

Designated Subjects - Adult Education

FACULTY

Mimi Warshaw, Department Chair

Ingeborg Assmann (Emeritus), Joel Colbert, Peter Ellis (Emeritus), Suzanne Gemmell, Phillip Gonzales, Dru Ann Gutierrez, Ruth Larson (Emeritus), Susan Prescott, R. H. Ringis, Kathleen Taira, Lynette Turman, George Walker, Diana Wolf

Govind Warriar, Department Secretary
HFA C-308, (213) 516-3522

PROGRAM DESCRIPTION

There are two different teacher training options for elementary (K-6) and secondary (7-12) teaching. The first is a traditional student teaching program, the second is an intern program. The Intern program provides on-the-job training for full-time teachers, teaching either in a public school with an emergency credential or in a private school. Both programs are competency-based (students are evaluated on a set of specified teaching competencies).

Students in the traditional student teaching program are placed for one full semester in a classroom at a training site with a master teacher and have afternoon methods courses once a week. Interns in the three semester program are in their own classrooms and have late afternoon and evening methods classes two days a week.

University coordinators work in close cooperation with school site personnel in both programs. They visit student teachers/interns, observe and critique lessons, give active instruction, feedback, support and guidance throughout the program.

The Designated Subject Teaching Credential Program meets the requirements for the Adult Teaching Credential as outlined by the Commission on Teacher Credentialing. Graduates find employment in public and private schools, community agencies, private industry, health services, government agencies, military settings, correctional and religious institutions, volunteer agencies, and centers for older adults. Students in the Designated Subject (Adult Education) program can complete their program in one year.

All traditional basic credential programs can be started in the senior year of college or earlier but most students choose to complete the bachelor's degree before beginning their teacher training. Prerequisite courses can be taken any time prior to getting the bachelor's degree or prior to entrance into a credential program.

CSU Dominguez Hills basic credential programs are fully accredited by the National Council for the Accreditation of Teacher Education (NCATE) and the California Commission on Teacher Credentialing (CTC). Students who complete all requirements for the preliminary credential are eligible to receive a certificate of completion from the Center for Quality Education.

FEATURES

The location of the University allows an on-going, intensive interaction with a wide variety of local school districts, providing an excellent opportunity for working with a diverse cultural and ethnic population. Graduates of basic credential programs are in high demand by principals and superintendents who have come to respect the high quality of the programs and the competence of its graduates.

The Effective Schools Institute in the Center for Quality Education provides on-going access to recent research results and information about outstanding programs and effective teaching to all students, faculty, master teachers and school site administrators, as well as to interested educators in local school districts. Teaching methods classes reflect the most current, up-to-date and effective approaches to instruction.

Scholarships

Three scholarships are available to students in the Basic Credential Programs:

1. Laura E. Settle Scholarship - \$500 to a student teacher who shows excellent promise in prerequisite courses and has a financial need.
2. Joette Lavarini Memorial Scholarship - \$100 to an elementary student teacher who shows outstanding promise.
3. Christine Walker Memorial Scholarship - \$100-\$200 (administered by the CSU Dominguez Hills Chapter of Phi Delta Kappa) to a student in the Center for Quality Education who shows talent for educational leadership and a desire to further his/her education in a graduate program.

PREPARATION

High school students should plan to take an academic program that includes four years of English, three years of mathematics, two years of science, two years of foreign language (Spanish is particularly helpful) and a course in the use of computers.

Students planning to teach children in a self-contained classroom, usually grades kindergarten through six, will need to earn a Multiple Subject Credential. Students pursuing a Multiple Subject Credential should complete course requirements for the Liberal Studies Major and should contact the Liberal Studies Coordinator (HFA C-308) immediately upon entering CSU Dominguez Hills.

An alternative to fulfilling course requirements for the Liberal Studies Major is to pass the National Teacher Examination Core Battery Test, General Knowledge portion. Information pertaining to the NTE is available at the Information Center (SC A-130).

Students planning to teach in junior or senior high school will need to earn a Single Subject Credential. These students should complete course requirements for one of the single subject waiver fields listed below after contacting the designated waiver advisor in the appropriate department. Single Subject waiver programs are offered in Art, English, Foreign Language, Government, Health Science, History, Life Science, Mathematics, Music, Physical Education, Physical Science, and Social Science (see separate entries in the catalog).

An alternative to fulfilling course requirements for a single subject waiver is to pass the appropriate Specialty Area Test of the National Teacher Examination. Information pertaining to the NTE is available at the Information Center (SC A-130).

If students would like to find out early in their college career if they might be interested in becoming a teacher, they should enroll in two preparatory and exploratory courses: TED 304. Foundations in Education, and TED 305. Introduction to Classroom Teaching. These two courses are required prerequisites for entrance into the credential programs with traditional student teaching. They should be taken concurrently and as early as possible in college career. Students will be in an elementary or secondary classroom observing and participating while learning about the underlying philosophies and policies that govern what is observed in that classroom.

Students also should be preparing to pass the California Basic Educational Skills Test (CBEST) in reading, writing and mathematics. The Learning Assistance Center provides pretests for this exam as well as workshops and computer assisted instruction designed to help students prepare for this test. Students should pass the CBEST before finishing their senior year.

TRADITIONAL STUDENT TEACHING PROGRAM

Provisional Admission

1. Admission to the University does not necessarily mean acceptance to the program or student teaching.
2. Provisional admission to the credential program
3. Eligibility for student teaching is necessary for continued enrollment in education courses and clearance for student teaching to obtain eligibility the candidate must:

Admission to Student Teaching

1. Application due April 1 for fall semester; November 1 for spring semester; includes three letters of recommendation and a short autobiography. Admission requires:
 - a. An overall grade point average in top 50 percent for major.
 - b. Passing scores on the California Basic Educational Skills Test (CBEST).
 - c. Verification of subject matter competence in the appropriate field (course work leading to a waiver or passing scores on the appropriate National Teachers Examination).
 - d. Personal Interview.
 - e. Bilingual Emphasis candidates must pass the CSUDH Equivalency Test for Spanish Language Competence prior to admission (See Bilingual Coordinator).
2. Completion of the following prerequisite courses with a B average and no grade lower than a C.

TED 304. Foundations in Education (1)
 TED 305. Introduction to Classroom Teaching Elementary/Secondary/Bilingual (1)
 TED 402. Motivation and Learning (3)
 TED 403. Teaching of Reading (3)

and for Multiple Subject:

TED 408. Elementary Art and Music Methods (2)*
 TED 409. Elementary Physical Education Methods (1)*
 TED 410. Elementary Math and Science Methods (2)
 TED 412. Elementary Social Studies/Language Arts Methods (2)

or for Single Subject:

TED 467. Secondary Methods I (3)

*not required for Liberal Studies majors

Additional Requirements for Preliminary Credential

Multiple Subject Teaching Credential

TED 404. Reading Practicum: Elementary (1)
 TED 411. Elementary Classroom Management Methods (2)
 TED 435. Student Teaching: Elementary (12)
 TED 436. Seminar: Elementary Student Teachers (1)
 POL 101. American Institutions (3) or equivalent

Multiple Subject Credential with Bilingual Emphasis

Completion of the requirements for the Multiple Subject Teaching Credential (see above) plus the following:

- TED 407. Teaching Methods for Bilingual/Bicultural Education (3) or
 GED 525. Bilingual-Multicultural Teaching Methods (3)

Single Subject Teaching Credential

- TED 404. Reading Practicum: Secondary (1)
 TED 455. Student Teaching: Secondary (12)
 TED 456. Seminar: Secondary Student Teachers (1)
 TED 468. Secondary Teaching Methods II: Learning Strategies, Instruction and Evaluation for Student Teachers (3)
 POL 101. American Institutions (3) or equivalent

Additional Requirements for Professional Clear Credential (9-15 units)

A professional clear credential may be issued when the applicant has completed requirements for the preliminary credential as well as the following:

- Writing requirement. This requirement may be satisfied by one of the following:
 - GWE (Graduation Writing Examination) score of eight or higher.
 - Grade of "BC" or better in English 350 challenge examination.
 - Grade of "B" or better in English 350 or equivalent course (HIS 300 or SOC 300).
 - CLEP (College Level Examination Program) score of 630 or higher (for Single Subject English applicant, 680 or higher.)
- TED 405. Mainstreaming Children with Special Needs (3)
- TED 415. Multicultural Perspectives for Teachers (2)
- TED 420. Computer Literacy (1)
- HEA 300. Health in Public Education (3)

INTERNSHIP PROGRAM

- Admission to the University.
- Preliminary Application to the credential program. Includes:
 - Passing CBEST scores.
 - Overall GPA in top 50% of the major.
 - Verification of full-time regular classroom teaching position within service area.

Admission to Fieldwork

Application due May 1 for fall semester, December 1 for spring semester. Includes recommendations from school administrators, and short statement of educational philosophy and professional goals. Admission requires:

- Completion of prerequisite courses with a B average and no grade lower than C:
 - TED 306. Introduction to Internship (1)
 - TED 411. Elementary Classroom Management Methods (2) and for Multiple Subject:
 - TED 403. The Teaching of Reading - Elementary (3)
 - or for Single Subject:
 - TED 467. Secondary Teaching Methods I: Classroom Management, Discipline and Curriculum Design for Student Teachers (3)
- Verification of subject matter competence in appropriate field (course work leading to waiver or passing scores on the National Teachers Examination).

Additional Requirements for Preliminary Credential**Multiple Subject Teaching Credential**

- TED 304. Foundations in Education (1)
 TED 402. Motivation and Learning (3)
 TED 404. Reading Practicum: Elementary (1)
 TED 408. Elementary Art and Music Methods (2)+
 TED 409. Elementary Physical Education Methods (1)
 TED 410. Elementary Math and Science Methods (2)
 TED 412. Elementary Social Studies/Language Arts Methods (2)
 POL 101. American Institutions (3) or equivalent

Multiple Subject Credential with Bilingual Emphasis

Completion of the requirements for the Multiple Subject Teaching Credential (see above) plus the following:

- TED 407. Teaching Methods for Bilingual/Bicultural Education (3) or
 GED 525. Bilingual-Multicultural Teaching Methods (3)

Single Subject Teaching Credential

- TED 304. Foundations in Education (1)
 TED 402. Motivation and Learning (3)
 TED 403. Teaching of Reading (3)
 TED 404. Reading Practicum: Secondary (1)
 TED 468. Secondary Teaching Methods II: Learning Strategies, Instruction and Evaluation for Student Teachers (3)
 POL 101. American Institutions (3) or equivalent

Additional Requirements for Professional Clear Credential (9-15 units)

A professional clear credential may be issued when the applicant has completed requirements for the preliminary credential as well as the following:

- Writing requirement. This requirement may be satisfied by one of the following:
 - GWE (Graduation Writing Examination) score of eight or higher.
 - Grade of "BC" or better in English 350 challenge examination.
 - Grade of "B" or better in English 350 or equivalent course (HIS 300 or SOC 300).
 - CLEP (College Level Examination Program) score of 630 or higher (for Single Subject English applicant, 680 or higher.)
- TED 405. Mainstreaming Children with Special Needs (3)
- TED 415. Multicultural Perspectives for Teachers (2)
- TED 420. Computer Literacy (1)
- HEA 300. Health in Public Education (3)

DESIGNATED SUBJECT TEACHING CREDENTIAL

1. Verification of Subject Matter Proficiency
 - A. Subject Matter Proficiency for teaching academic subjects can be verified as follows:
 - Bachelor's degree with a total of 20 semester units or 10 upper division semester units in the subject to be taught or
 - possession of a state or federal license in the subject to be taught
 - B. Qualifying experience or education for teaching non-academic subjects

EDUCATION AND/OR TRAINING	YRS OF SUBJECT RELATED EXPERIENCE
High school diploma or equivalent	+ 5 years
One year of subject-related education appropriate or related to teaching field	+ 4 years
Two years of subject-related education appropriate or related to teaching field	+ 3 years
Three years of subject-related education appropriate or related to teaching field	+ 2 years
Bachelor's degree in subject matter in the field to be taught	+ 0 years

2. Passing scores on the California Basic Education Skills Test to teach in the following academic areas:
 - 1) Adult Basic Education
 - 2) English and Humanities
 - 3) Foreign Language
 - 4) Mathematics
 - 5) Science
 - 6) Social Sciences

Applicants are exempt from CBEST if they will be teaching the following subjects:

- 1) Arts and Crafts
 - 2) Business Education
 - 3) Communications
 - 4) Foreign Language (conversational)
 - 5) Gerontology
 - 6) Handicapped
 - 7) Health and Safety
 - 8) Health Occupations
 - 9) Home Economics
 - 10) Parent Education
 - 11) Public Administration
 - 12) Vocational Training
3. Completion of required coursework in Adult Education (15 units)
 4. Completion of the U.S. Constitution requirement (POL 101 or equivalent)

Course Requirements (15 units)

- TED 421. Principles of Adult Education (3)
- TED 422. Methods and Materials of Adult Education (3)
- TED 423. Supervised Field Experience in Adult Education (3)
- TED 424. Counseling/Guidance for Teachers of Adult Education (3)
- HEA 300. Health in Public Education (3)

COURSE OFFERINGS IN TEACHER EDUCATION

Prerequisite requirements may not apply to students in Intern Credential Programs.

Upper Division

TED 304 FOUNDATIONS IN EDUCATION (1). *Corequisite: TED 305.* An overview of the philosophical and sociological foundations on which our education system is based. One hour of lecture per week.

TED 305 INTRODUCTION TO CLASSROOM TEACHING: ELEMENTARY/SECONDARY/BILINGUAL (1). *Corequisite: TED 304.* Provides opportunity for undergraduate students to observe and participate in an elementary or secondary classroom for three hours each week in multicultural settings. Three class meetings also required. Students keep journals of their experiences and work with individuals and small groups. This is a prerequisite for student teaching. CR/NC grading.

TED 306 INTRODUCTION TO INTERNSHIP: ELEMENTARY, SECONDARY, BILINGUAL (1). Helps beginning intern to analyze own teaching, seek school support, locate appropriate materials and deal with various school procedures. This is a prerequisite for admission to fieldwork. CR/NC grading. One hour of seminar per week.

TED 402 MOTIVATION AND LEARNING (3). *Prerequisites: TED 304 and TED 305 are recommended.* 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. This is a prerequisite for student teaching. Three hours of lecture per week.

TED 403 THE TEACHING OF READING - ELEMENTARY OR SECONDARY (3). *Prerequisites: TED 304, TED 305, are recommended.* Procedures and materials for teaching reading in elementary and secondary schools, including the use of recent media and methods. Interpretation of significant research as it pertains to decoding, comprehension, reading for bilingual students and linguistically different populations. The use of tests to diagnose and teach in the classroom. This is a prerequisite for student teaching. Three hours of lecture per week.

TED 404 READING PRACTICUM: ELEMENTARY/ SECONDARY (1). *Prerequisite: TED 403 is required; TED 304, TED 305 and TED 402 are recommended.* Lesson plans and teaching critiqued in microteaching and audiotaped lessons. Elementary students teach basal, language experience, decoding and structural analysis lessons, as well as reading in the content areas. Secondary students teach vocabulary, study skills and comprehension in their discipline. One hour of seminar per week.

TED 405 MAINSTREAMING CHILDREN WITH SPECIAL NEEDS (3). A course to facilitate the integration of handicapped children into the regular classroom. Covers legal responsibilities, diagnostic/prescriptive teaching, problem solving and visits to special education facilities. Three hours of lecture per week.

TED 407 TEACHING METHODS FOR BILINGUAL/ BICULTURAL EDUCATION (3). *Prerequisites: TED 304, TED 305, TED 402, and TED 403 are recommended.* 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/development, culture and heritage. Three hours of lecture per week.

TED 408 ELEMENTARY ART AND MUSIC METHODS. (2). Methods and materials for elementary art and music that include instructional planning, lesson presentation, techniques, preparation and utilization of appropriate materials, media and strategies. Two hours of lecture per week.

TED 409. ELEMENTARY PHYSICAL EDUCATION METHODS (1). Methods and materials for elementary physical education that include instructional planning, lesson presentation, techniques, preparation and utilization of appropriate materials, media and strategies. Two hours of activity per week.

TED 410 ELEMENTARY MATH AND SCIENCE METHODS (2). *Prerequisites: TED 304, TED 305, TED 402 and TED 403 are recommended.* Methods and materials for elementary math and science education and nutrition that include instructional planning, unit development, selection and preparation of appropriate curriculum materials, media and evaluation strategies. CR/NC grading. Two hours of lecture per week.

TED 411 ELEMENTARY CLASSROOM MANAGEMENT METHODS (2). *Prerequisites: TED 304, TED 305, TED 402 are recommended.* Aimed at the elementary student teacher/intern, this course focuses on discipline strategies, management and effective teaching techniques identified by recent research. Two hours of lecture per week.

TED 412 ELEMENTARY SOCIAL STUDIES/LANGUAGE ARTS METHODS (2). *Prerequisites: TED 304, TED 305, and TED 402 are recommended.* Methods and materials for elementary Social Studies and Language Arts education that include instructional planning, unit development, selection and preparation of appropriate curriculum materials, media and evaluation strategies. Two hours of lecture per week.

TED 414 DISCIPLINE AND CLASSROOM MANAGEMENT (3). *Prerequisites: TED 304, TED 305, TED 402 are recommended.* Approaches and procedures for effective classroom discipline and management, with emphasis on curriculum planning and implementation. Research on effective teaching techniques examined. Students investigate conditions in their own schools and plan to implement changes conducive to teaching and learning. Three hours of lecture per week.

TED 415 MULTICULTURAL PERSPECTIVES FOR TEACHERS (2). *Prerequisites: TED 304, TED 305, TED 402, and TED 403.* 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 appropriate methods and materials. Three hours of lecture per week.

TED 420 COMPUTER LITERACY FOR TEACHERS (1). *Prerequisites: TED 435, 445, 455, OR 465.* Identifies issues in the use of computer technology; provides online microcomputer experience in using and evaluating courseware and incorporating instructional computer use into a specific lesson; gives practice in the use of teacher utilities and application programs. CR/NC grading.

TED 421 PRINCIPLES OF ADULT EDUCATION (3). Course is designed to meet the requirements for the Designated Subject Credential. Topics include scope and function of adult education, knowledge of cultural differences in students and communities, curriculum, media and community relationships. Three hours of lecture per week.

TED 422 METHODS AND MATERIALS OF ADULT EDUCATION (3). *Prerequisite: TED 421.* Course covers instructional techniques; evaluation of student achievement and the learning process in adult education. Three hours of lecture per week.

TED 423 SUPERVISED FIELD EXPERIENCE IN ADULT EDUCATION (3). *Prerequisites: TED 421 and TED 422 are recommended.* Course is designed to give student practical experiences in teaching adults. Includes participation in classroom, school and communities, and individualized assignments to fulfill the particular needs of each credential applicant. Evaluation of field experience in scheduled seminars. CR/NC grading.

TED 424 COUNSELING AND GUIDANCE FOR TEACHERS OF ADULT EDUCATION (3). Topics will cover counseling techniques to meet special needs of students and interpersonal relations/communication skills. Three hours of lecture per week.

TED 425 WORKSHOP IN TEACHING METHODS (1-3). Study of various approaches, methods, and materials related to a selected area of the curriculum. Development of applications at elementary and/or secondary level. Two to six hours of activity per week.

TED 435 STUDENT TEACHING: ELEMENTARY (12). *Prerequisites: TED 304, TED 305, TED 402, TED 403, TED 410, TED 412, and TED 413; Acceptance into program by Department of Teacher Education.* Student teaching with a master teacher in a multicultural/multiethnic elementary classroom. CR/NC grading.

TED 436 SEMINAR: ELEMENTARY STUDENT TEACHERS (1). *Corequisite: TED 435.* Problem solving and use of competency checklists in student teaching at the elementary level. CR/NC grading. One hour of seminar per week.

TED 445 FIELDWORK: ELEMENTARY INTERNS (6).* *Prerequisite: Acceptance into the program by Department of Teacher Education.* Student teaching with no master teacher for those interns teaching elementary school grades K-6 on emergency credentials or in private schools. CR/NC grading.

TED 446 SEMINAR: ELEMENTARY INTERNS (1).* *Corequisite: TED 445.* Problem solving and use of competency checklists in Intern Student Teaching at the Elementary Level. CR/NC grading. One hour of seminar per week.

TED 455 STUDENT TEACHING: SECONDARY (12). *Prerequisites: TED 304, TED 305, TED 402, TED 403 and TED 467; acceptance into program by Department of Teacher Education.* Student teaching with master teachers at the junior and senior high school level in Multicultural/Multiethnic classrooms. CR/NC grading.

TED 456 SEMINAR: SECONDARY STUDENT TEACHERS (1). *Corequisite: TED 455.* Problem solving and use of competency checklists in student teaching at the secondary level. CR/NC grading. One hour of seminar per week.

TED 465 FIELDWORK: SECONDARY INTERNS (6).* *Prerequisite: Acceptance into program by Department of Teacher Education.* Student Teaching with no master teacher for those interns teaching junior or senior high school (grades 7-12) on emergency credentials or in private schools. CR/NC grading.

TED 466 SEMINAR: SECONDARY INTERNS (1).* *Corequisite: TED 465.* Problem solving and use of competency checklists in Intern Student Teaching at the secondary level. CR/NC grading. One hour of seminar per week.

*Repeatable course.

TED 467 SECONDARY TEACHING METHODS I: CLASSROOM MANAGEMENT, DISCIPLINE AND CURRICULUM DESIGN FOR STUDENT TEACHERS (3). Explores current, alternative approaches to classroom discipline, management and organization. Focuses on how the learning task, teacher behavior and classroom environment affect student behavior. Application of principles to each participant's school setting. Three hours of lecture per week.

TED 468 SECONDARY TEACHING METHODS II: LEARNING STRATEGIES, INSTRUCTION AND EVALUATION FOR STUDENT TEACHERS (3). *Prerequisite: TED 467.* Explores methods of long and short range planning, course overviews, unit plans and lesson plans. Presents alternative strategies of instruction and methods of diagnosing needs and evaluating learning. Three hours of lecture per week.

TED 490 SEMINAR: ISSUES IN EDUCATION (1-3).* Identification of significant and persistent issues in education, to evaluate policy statements and published opinions with an awareness of elements involved. CR/NC grading. One to three hours of seminar per week.

TED 494 INDEPENDENT STUDY (1-3).* *Prerequisite: Consent of instructor.* Independent study undertaken under the supervision of a member.

*Repeatable course.



ENGINEERING

2+2 Program

PROGRAM DESCRIPTION

CSU Dominguez Hills offers a unique 2+2 program in engineering. Students enrolled in this program complete the first two years of their degree at CSU Dominguez Hills and, through a special cooperative arrangement, may then continue on to finish the last two years of their major at CSU Long Beach. At the completion of this program, the bachelor of science in engineering will be awarded by CSU Long Beach.

FEATURES

The 2+2 program includes the coursework in the basic sciences, mathematics and engineering required in the first two years of work toward an engineering degree. At CSU Dominguez Hills, students have the benefit of close instructor contact, small class size, and easy access to a complete range of modern laboratory and computing facilities. Since course requirements, course content and course sequencing are all coordinated with the engineering program at CSU Long Beach, students who successfully complete the 2+2 program here, on transfer, will be accepted into engineering majors at CSU Long Beach on the same basis as continuing students. Through this close cooperation between the two campuses, students can be assured that there will be no delays in their progress toward graduation when they transfer.

Students who wish to transfer to engineering programs at institutions other than CSU Long Beach also may find it possible to finish the entire first two years of their major at CSU Dominguez Hills.

For further information, contact the Office of the Dean of Science, Mathematics and Technology - NSM A-115, (213) 516-3373.

ACADEMIC ADVISING

Individualized academic advising is an important feature of the 2+2 program. Students should contact the Office of the Dean of the School of Science, Mathematics and Technology in order to be assigned an advisor to assist them in planning their programs. Since much of the coursework must be completed in a specific sequence, it is important that students in the 2+2 program meet with their designated advisor each and every semester.

PREPARATION

High school students planning to enter engineering are advised to pursue a strong program in pre-engineering subjects. At the minimum, these should include the following: Four years of mathematics, including advanced algebra, geometry and trigonometry; one year of biology; one year of chemistry; and one year of physics. Mechanical drawing (one year), analytic geometry and calculus also are desirable.

Community college transfers may complete a portion of the 2+2 program at a community college. However, they should consult an engineering advisor to assure that their program is appropriate for the specific engineering program they plan to enter.

PROGRAM REQUIREMENTS

Specific course requirements may vary somewhat, depending on the engineering major pursued. For this reason, it is important that students in the 2+2 program choose their area of engineering as soon as possible. However, most engineering programs require at least the following minimum core:

- CHE 110. General Chemistry (5)
- EGR 205. Statics (3)
- EGR 210. Electrical Circuits (3)
- EGR 242. Computer Methods in Engineering (3)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- MAT 211. Calculus III (4)
- MAT 311. Differential Equations (3)
- PHY 130. General Physics I (5)
- PHY 132. General Physics II (5)

COURSE OFFERINGS IN ENGINEERING

EGR 101 INTRODUCTION TO ENGINEERING (3). *Prerequisite: MAT 191 (or corequisite).* Basic topics in combinational switching circuits and digital computers. Three hours of lecture per week.

EGR 205 STATICS (3). *Prerequisite: PHY 130.* Mechanics of equilibrium. Applications to force systems using analytical and graphical solutions of problems. Three hours of lecture per week.

EGR 210 ELECTRICAL CIRCUITS (3). *Prerequisites: PHY 132, MAT 211.* Linear electrical circuits. Kirchhoff's laws, network theorems, mesh and nodal analysis. Thevenin and Norton equivalents. Simple RLC circuits. Phasors. Three-phase circuits. Two hours of lecture and three hours of laboratory per week.

EGR 242 COMPUTER METHODS IN ENGINEERING (3). *Prerequisite: MAT 191.* Introduction to programming in BASIC and FORTRAN. Applications to engineering problems. Three hours of lecture per week.



ENGLISH

BACHELOR OF ARTS

Literature Option
Language and Linguistics Option

MINORS

English

SINGLE-SUBJECT WAIVER PROGRAMS

English
Literature Option
Linguistics Option
Theatre Arts Option
Communications Option
Teaching of English as a Second Language (TESL) Option

MASTER OF ARTS

Literature Option
Rhetoric and Composition Emphasis
Teaching of English as a Second Language (TESL) Option

CERTIFICATES

Teaching of English as a Second Language (TESL) - Graduate
Rhetoric and Composition - Graduate

FACULTY

Agnes A. Yamada, Department Chair

John Bullaro (Emeritus), Caroline Duncan-Rose (Emeritus), Patricia S. Eliet, Lois Feuer, Lila B. Geller, Joyce Johnson, Violet Jordain, Hal Marienthal (Emeritus), C. Michael Mahon, Irene McKenna, Burckhard Mohr, David B. Rankin, Abe C. Ravitz (Emeritus), James A. Riddell, Ephriam Sando, Michael R. Shafer, Lyle E. Smith, Marilyn P. Sutton, Jack A. Vaughn, Walter Wells

HFA E-315, (213) 516-3322

PROGRAM DESCRIPTION AND FEATURES

As a major, English offers a varied and soundly based program that unifies the study of composition, language and literature and that prepares its students for careers in business, communications media, and teaching and for advanced study in graduate and professional schools. It is truly a versatile major.

Within the English major, students may concentrate their programs of study in either Literature or in Language and Linguistics.

Our programs seek to develop skills applicable not only to all professional disciplines but also to significant tasks of life: the ability to read perceptively, write effectively and think critically. The senior seminar, English 490: Seminar in Literature, offers an integrative experience in which students work not only toward the fullest development of their skills as readers, writers and thinkers, but also toward their development as professional scholars.

Both undergraduate and graduate programs are offered during the day and in the evenings so that students may expect to complete the master of arts or the undergraduate major by attending either day or evening classes exclusively.

The master of arts in English is a program in literature. This graduate degree qualifies students for a community teaching credential. It also offers a strong preparation for graduates who wish to work on their doctorates. Many of our students also have discovered that work on both the undergraduate and graduate

levels has provided them with the skills that enable them to succeed in business, industry and the professions.

Within the graduate program leading to the master of arts, students may choose to complete a concentration in either the Teaching of English as a Second Language (TESL) or in Rhetoric and Composition. Students who complete the option in Rhetoric and Composition are particularly attractive to recruitment committees at two-year colleges since most vacancies are now in the teaching of composition.

Graduate students also may elect to do all of their work in the study of literature. The program is designed carefully to offer both breadth and depth and will give students a solid understanding of their discipline.

ACADEMIC ADVISEMENT

All of the full-time faculty serve as academic advisors. Students may either choose their own advisors or they may be assigned to advisors. Students who would like to be assigned to an advisor should come to the department office for assistance.

Students are urged to see an advisor upon admission, upon completion of 60 semester units, and during the first semester of their senior year.

Academic advisors may refer their students to other student services when appropriate.

PREPARATION

Four years of high school college-preparatory English courses must have been completed in partial fulfillment of the admission requirements of The California State University.

MAJOR REQUIREMENTS - BA

LITERATURE OPTION (33 units)

Recommended Course

ENG 230. Literary Perceptions (3)

Upper Division Requirements (33 units)

A. ENG 307. Practice in Literary Criticism (3)

Note: Must be taken before nine units in the major are completed.

B. At least three of the following:

ENG 300. English Literature to 1660 (3)

ENG 301. English Literature: 1660-present (3)

ENG 340. American Literature to 1865 (3)

ENG 341. American Literature: 1865-present (3)

C. One of the following:

ENG 314. English Syntax (3)

ENG 413. History of the English Language (3)

D. Two of the following:

ENG 325. Poetry (3)

ENG 326. Prose Fiction (3)

ENG 327. Drama (3)

E. One of the following:

ENG 465. Chaucer (3)

ENG 467. Shakespeare (3)

ENG 468. Milton (3)

F. Two additional upper division courses in English selected in consultation with your advisor.

G. ENG 490. Seminar in Literature (3)

LANGUAGE AND LINGUISTICS OPTION (33 units)

Upper Division Requirements (33 units)

A. ENG 307. Practice in Literary Criticism (3)

ENG 310. The Study of Language (3)

ENG 311. Phonology (3)

ENG 312. Morphology (3)

ENG 314. English Syntax (3)

ENG 413. History of the English Language (3)

ENG 420. Linguistic Analysis (3)

B. Three additional upper division courses selected in consultation with your advisor (9).

C. LIN 490. Seminar in Linguistics (3)

MINOR REQUIREMENTS

MINOR IN ENGLISH (15 units)

A. ENG 307. Practice in Literary Criticism (3)

B. Two of the following (6 units):

ENG 300. English Literature to 1660 (3)

ENG 301. English Literature: 1660-present (3)

ENG 340. American Literature to 1865 (3)

ENG 341. American Literature: 1865-present (3)

C. Two upper division English courses (6)

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM IN ENGLISH (45 units)

The Single Subject Waiver Program in English is designed for students interested in a career in teaching English at the secondary school level. This program satisfies the requirements set by the State Commission on Teacher Credentialing for demonstrating substantive preparation in the subject matter field of English. Completion of an approved waiver program or passing a comprehensive examination in the subject matter field fulfills one part of the requirements leading to the Single Subject Teaching Credential in English. While the waiver is not an academic major, credits earned toward a major in English can be used to meet most of the requirements of the waiver program. Students interested in pursuing a teaching career at the secondary level should meet regularly with the designated departmental waiver program advisor.

This program requires completion of (1) a core of 30 upper division units selected from the listing that follows and (2) 15 upper division units in one of the following areas: Literature, Linguistics, Theatre Arts or Communications.

Lower Division Core Requirements

The following courses must be completed prior to taking upper division courses:

ENG 110. Freshman Composition I (3)

ENG 111. Freshman Composition II (3)

Upper Division Core Requirements (30 units)

A. ENG 307. Practice in Literary Criticism (3)

B. One of the following:

ENG 300. English Literature to 1660 (3)

ENG 301. English Literature: 1660-present (3)

- C. One of the following:
- ENG 340. American Literature to 1865 (3)
 - ENG 341. American Literature: 1865-present (3)
- D. ENG 314. English Syntax (3)
- ENG 325. Poetry (3)
 - ENG 327. Drama (3)
 - ENG 350. Advanced Composition (3)
 - ENG 467. Shakespeare (3) or
 - ENG 465. Chaucer (3) or
 - ENG 468. Milton (3) or
 - ENG 477. Individual Authors (3)
 - ENG 485. Studies in Literature, Composition, & Reading (3)
 - ENG 490. Seminar in Literature (3)

In addition to the above, one of the following options must be completed (if you choose either the Literature option or the Linguistics option or you take one upper division English course in addition to the 10 courses in the core, you will have the necessary courses for a major in English). The Linguistics option, the Theatre Arts option, and the Communications option may be counted as a minor.

Literature Option (15 units)

- A. ENG 306. Backgrounds of Western Literature (3)
- B. The one course not selected in the core requirements:
- ENG 300. English Literature to 1660 (3) or
 - ENG 301. English Literature: 1660-present (3)
- C. The one course not selected in the core requirements:
- ENG 340. American Literature to 1865 (3) or
 - ENG 341. American Literature: 1865-present (3)
- D. ENG 326. Prose Fiction (3)
- E. One of the following:
- ENG 343. Afro-American Poetry and Drama (3)
 - ENG 344. Afro-American Prose (3)
 - ENG 435. Readings in World Literature (3)

Linguistics Option (15 units)

- ENG 311. Phonology (3)
- ENG 312. Morphology (3)
- ENG 419. Psycholinguistics (3)
- ENG 420. Linguistic Analysis (3)
- LIN 490. Seminar in Linguistics (3)

Theatre Arts Option (15 units)

- A. THE 243. Stagecraft (3)
- THE 337. Creative Dramatics (3)
- B. Three units of the following:
- THE 340. Rehearsal and Performance (1, 2)
 - THE 341. Production Activity (1)
- or any combination of the above to add up to 3 units
- C. One of the following:
- THE 355. Theatre Studies III: History of the Theatre I (3)
 - THE 357. Theatre Studies IV: History of the Theatre II (3)
- D. THE 452. Theatre Studies V: Tragedy and Comedy (3)

Communications Option (15 units)

- COM 100. Mass Media and Society (3)
- COM 250. Writing for the Media (3)
- COM 302. Law of the Mass Media (3)
- COM 350. Advanced Newswriting and Reporting (3)
- COM 381. Scriptwriting for the Electronic Media (3)

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM IN ENGLISH- TESL (45 units)

The TESL option does not share a common core with the other Single Subject Waiver Program Options in English.

Teaching English as Second Language (TESL) Option (45 units)

Prerequisite: A minimum of one year of study in a single foreign language, or equivalent.

Lower Division Requirements

The following courses must be completed prior to taking upper division courses:

- ENG 110. Freshman Composition I (3)
- ENG 111. Freshman Composition II (3)

Upper Division Core Requirements (30 units)

- ENG 307. Practice in Literary Criticism (3)
- ENG 311. Phonology (3)
- ENG 312. Morphology (3)
- ENG 314. English Syntax (3)
- ENG 350. Advanced Composition (3)
- ENG 420. Linguistic Analysis (3)
- ENG 477. Individual Author(s) (3)
- ENG 485. Studies in Literature, Composition and Reading (3)
- ENG 486. Studies in Language and Literature (TESL) (3)

One of the following:

- ENG 301. English Literature: 1660-present (3)
- ENG 341. American Literature: 1865-present (3)

Additional Courses (15 units)

1. Required Courses (9 units)
 - ENG 413. History of the English Language (3)
 - ENG 419. Psycholinguistics (3)
 - LIN 490. Seminar in Linguistics (3)
2. One of the following (3 units):
 - ENG 317. Sociolinguistics: Black English (3)
 - SPA 435. A Sociolinguistic Approach to Mexican American Dialect (3)
3. One of the following (3 units):
 - ENG 490. Seminar in Literature (3)
 - ENG 580. Style in English (3)

MAJOR REQUIREMENTS - MA

The program leading to the master of arts degree in English is a 30 semester-unit curriculum. Opportunities for emphasis in British literature, American literature, English language and linguistics, creative writing, and rhetoric and composition exist in a flexible curriculum.

The concentration in rhetoric and composition prepares students to teach composition at the community college level; it also improves the instructional skills of in-service teachers of English in the secondary schools.

Graduate standing and the consent of the instructor are prerequisites to enrollment in graduate English classes.

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 English Department, in addition to the transcripts that are sent to the university Office of Admissions. To be admitted into the program, the student must have earned a baccalaureate degree from an accredited university or college and a grade-point average of 2.5 or better in the last 60 semester units attempted (not including extension units). Students with majors other than English may be accepted into the program but should expect to do additional work to gain the background necessary for success in their graduate courses.

Graduate students must take the Graduate Exercise, a diagnostic test designed to assess their strengths and weaknesses, in the first semester of their graduate program so that ways to remove the deficiencies may be prescribed in time to benefit the students.

For admission to classified standing, students must have completed nine units of graduate English (500-level) courses at CSU Dominguez Hills with an average of "B" or better. For advancement to candidacy, students must have attained classified standing and have completed nine (9) additional graduate units in English with an average of "B" or better, in addition to having passed the Graduate Exercise.

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 should prepare themselves to meet the doctoral requirement calling for reading ability in two foreign languages.
3. No more than nine (9) 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 advisor and must also satisfy all University policies applicable to master of arts degrees.
4. Graduate students who pass the Graduate Exercise in literature will have satisfied the graduate writing requirement. Students who take the Graduate Exercise in language and linguistics must earn a score of eight (8) or better on the Graduation Writing Examination (GWE) or earn a grade of "B" or better in one of the certifying writing courses at CSU Dominguez Hills.
5. In addition to successful completion of required course work, all candidates must submit a Final Project, an essay (maximum of 35 pages) investigating a linguistic or literary subject. Students choosing the creative writing emphasis will submit as a Final Project an original and creative work together with an essay explaining its literary background.

LITERATURE OPTION (30 units)

The master of arts in English is a degree in literature, the heart of the discipline. The program provides for both breadth and depth in the study of literature.

Students may choose to do all of their work in literature or may elect an emphasis in Rhetoric and Composition.

- A. ENG 500. Seminar: Advanced Studies in Poetry (3)
ENG 545. Literary Criticism (3)
- B. One of the following:
ENG 534. Seminar: Studies in Renaissance Literature (1500-1603) (3)
ENG 537. Seminar: Studies in Late Renaissance Literature (1603-1660) (3)
- C. One of the following:
ENG 540. Seminar: Studies in Neo-Classical Literature (1660-1798) (3)
ENG 543. Seminar: Studies in Romantic Literature (1798-1832) (3)
ENG 546. Seminar: Studies in Victorian Literature (1832-1901) (3)
ENG 552. Seminar: Studies in American Literature (1836-1917) (3)
- D. One of the following:
ENG 549. Seminar: Studies in Modern British Literature (3)
ENG 555. Seminar: Studies in Modern American Literature (3)

E. Five additional courses in English (15 units)*

F. A Final Project

*Emphasis in Rhetoric and Composition

The English emphasis in Rhetoric and Composition is a specially designed program for students who plan to teach writing at the secondary or community college level. Students who choose this emphasis are required to take the following five courses to satisfy Section E:

- ENG 456. Expository Writing (3)
- ENG 575. The Teaching of Composition (3)
- ENG 576. History and Theories of Rhetoric (3)
- ENG 577. Current Issues in Rhetoric and Composition (3)
- ENG 580. Style in English (3)

In addition, students may be offered the opportunity to gain practical experience by working as tutors in the writing program.

TEACHING OF ENGLISH AS SECOND LANGUAGE (TESL) OPTION (30 units)

The master of arts in English Option in the Teaching of English as a Second Language (TESL) is a 30-unit program of study designed for graduate students planning careers in TESL/TEFL at the secondary school or college level in this country or abroad. This program combines upper division and graduate level coursework in English, linguistics and education.

Prerequisites

1. An acceptable baccalaureate degree from an accredited institution and a grade-point average of 2.5 or better over the last 60 semester units attempted.
2. A minimum of one year's work in a foreign language.
3. ENG/FRE/SPA 310. The Study of Language (3) or the equivalent.

Required Courses (24 units)

- ENG 311. Phonology (3)
- ENG 312. Morphology (3)
- ENG 314. English Syntax (3)
- ENG 594. Independent Study in Psycholinguistics (3)
- ENG 594. Independent Study in Linguistic Analysis or Contrastive Analysis (3)
- LIN 490. Seminar in Linguistics (3) or
ENG 592. Seminar: Topics in Linguistic Theory (3)
- ENG 486. Studies in Language and Literature (TESL) (3) or
GED 520. The Teaching of English to Speakers of Other Languages (3)+
- GED 525. Bilingual-Multicultural Teaching Methods (3) or
GED 503. Socio-Cultural Issues in Education (3)

Elective Courses (6 units)

Six units in graduate level coursework (must include at least one graduate level seminar in literature).

Final Project

CERTIFICATE REQUIREMENTS

CERTIFICATE IN RHETORIC AND COMPOSITION (15 units)

The English Department offers a Certificate in Rhetoric and Composition, a program that may be taken with or apart from any degree program or major. Many students who have completed graduate degrees have found this certificate program both exciting and helpful.

All of the following courses must be completed for the graduate Certificate in Rhetoric and Composition.

*Consult course description for prerequisite(s).

- ENG 456. Expository Writing (3)
 ENG 575. The Teaching of Composition (3)
 ENG 576. History and Theories of Rhetoric (3)
 ENG 577. Current Issues in Rhetoric and Composition (3)
 ENG 580. Style in English (3)

CERTIFICATE IN THE TEACHING OF ENGLISH AS A SECOND LANGUAGE (TESL) (27 units)

The Certificate in the Teaching of English as a Second Language (TESL) is a post-baccalaureate program of study designed for teachers and prospective teachers seeking competence in the teaching of English to speakers of other languages. The program combines upper division and graduate courses in English, linguistics and education. Courses completed as part of other programs of study may be applicable toward the certificate.

Candidates must maintain a grade point average of 3.0 or better in the program.

Prerequisites

- A. An acceptable baccalaureate degree from an accredited institution and a grade point average of 2.5 or better over the last 60 semester units attempted.
- B. A minimum of one year's work in a foreign language.
- C. ENG/FRE/SPA 310. The Study of Language (3) or the equivalent.

Required Courses (24 units)

- ENG 311. Phonology (3)
 ENG 312. Morphology (3)
 ENG 314. English Syntax (3)
 ENG 419. Psycholinguistics (3)
 ENG 420. Linguistic Analysis (3) or a course in contrastive analysis
- LIN 490. Seminar in Linguistics (3) or
 ENG 592. Seminar: Topics in Linguistic Theory (3)
- ENG 486. Studies in Language and Literature (TESL) (3) or
 GED 520. The Teaching of English to Speakers of Other Languages (3)
- GED 525. Bilingual-Multicultural Teaching Methods (3) or
 GED 503. Socio-Cultural Issues in Education (3)

Practicum

- TED 423. Supervised Field Experience in Adult Education (3)+ or
 ENG 494. Independent Study: Tutoring (3)

COURSE OFFERINGS IN ENGLISH

Lower Division

ENG 088 DEVELOPMENTAL READING (3). (no baccalaureate credit) Intensive work in basic reading and writing skills with special emphasis on reading and writing that students will do in college. Students whose scores on the CSU English Placement Test are T-141 or below are required to complete this course prior to enrolling in English 110. May be taken concurrently with ENG 099. Graded CR/NC. Three hours of lecture per week.

ENG 099 BASIC WRITING WORKSHOP (3). (no baccalaureate credit) Composition for students whose English Placement Test T-scores are T-150 or lower; focus on clear correct sentences, introduction to paragraphing in the context of the essay. Essays concentrate on narrative and personal experience leading to exposition. May be taken concurrently with ENG 088. Graded CR/NC. Three hours of lecture per week.

ENG 110 FRESHMAN COMPOSITION I (3). *Prerequisites: English Placement Test T-score above 150 or test score exemption or successful completion of English 099 and completion of the EPT and/or successful completion of English 088 are required.* Basic writing skills emphasizing analytic exposition. Helps students express ideas and convey information in writing. Graded A-C/NC. Three hours of lecture per week.

ENG 111 FRESHMAN COMPOSITION II (3). *Prerequisite: ENG 110 or equivalent.* Reinforcement of basic writing skills with emphasis on persuasion and argumentation. Includes a documented essay. Helps students to write convincing arguments and to assemble, organize, and document evidence supporting a thesis. Graded A-C/NC. Three hours of lecture per week.

ENG 230 LITERARY PERCEPTIONS (3). *Prerequisites: ENG 110 and ENG 111 or their equivalents.* Ways of reading literature to enhance understanding, appreciation, and enjoyment. Requires frequent writing assignments. Three hours of lecture per week.

ENG 271 WRITERS' WORKSHOP (3). *Prerequisites: ENG 110 and ENG 111 or their equivalents.* Experiences in creative writing through encounters with selected literary works. Three hours of lecture per week.

Upper Division

ENG 300 ENGLISH LITERATURE TO 1660 (3). *Prerequisite: ENG 111.* Intensive study of selected major British works (excluding drama). Three hours of lecture per week.

ENG 301 ENGLISH LITERATURE: 1660-PRESENT (3). *Prerequisite: ENG 111.* Intensive study of selected major British works (excluding drama). Three hours of lecture per week.

ENG 306 BACKGROUNDS OF WESTERN LITERATURE (3). *Prerequisite: ENG 111.* Old and New Testaments, Greek and Roman myths, and literature based on these. Also recommended for Spanish and French majors. Three hours of lecture per week.

ENG 307 PRACTICE IN LITERARY CRITICISM (3). *Prerequisite: ENG 111.* Practice in literary criticism from several perspectives; for example, archetypal, formalist, linguistic, psychological, and social. Written exercises regularly required. Three hours of lecture per week.

ENG 308 CRITICAL APPROACHES TO CHILDREN'S LITERATURE (3). *Prerequisite: ENG 111.* Critical approaches—psychological, archetypal, formal, social, or linguistic—to the study of children's literature in various forms. Three hours of lecture per week.

ENG 310 THE STUDY OF LANGUAGE (3). *Prerequisite: ENG 111.* Traditional and modern approaches to the study of language; fundamentals of phonology and grammar. (Same as FRE 310 and SPA 310). Three hours of lecture per week.

ENG 311 PHONOLOGY (3). *Prerequisite: ENG 111.* 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. Three hours of lecture per week.

ENG 312 MORPHOLOGY (3). *Prerequisite: ENG 111.* Descriptive and historical (etymological) analysis of the structure of words in English and other languages: common roots, base forms, and affixes; rules of word formation; semantic change. Three hours of lecture per week.

ENG 314 ENGLISH SYNTAX (3). *Prerequisite: ENG 111.* The structure and meaning of sentences, approached through traditional and/or generative-transformational models of grammar; the role of syntax in writing and composition. Three hours of lecture per week.

ENG 317 SOCIOLINGUISTICS: BLACK ENGLISH (3). *Prerequisite: ENG 111.* The linguistic features and the social, cultural, and historical background of Black English; its relationship to other dialects of English, its educational implications. Three hours of lecture per week.

ENG 325 POETRY (3). *Prerequisite: ENG 111.* Analysis of poetry of varied forms; emphasis on major American and British writers from different periods. Three hours of lecture per week.

ENG 326 PROSE FICTION (3). *Prerequisite:* ENG 111. Forms of prose fiction by major writers from different periods and national literatures. Three hours of lecture per week.

ENG 327 DRAMA (3). *Prerequisite:* ENG 111. Forms of drama by major playwrights from different periods and national literatures. Three hours of lecture per week.

ENG 340 AMERICAN LITERATURE TO 1865 (3). *Prerequisite:* ENG 111. Intensive study of selected American works. Three hours of lecture per week.

ENG 341 AMERICAN LITERATURE: 1865-PRESENT (3). *Prerequisite:* ENG 111. Intensive study of selected American works. Three hours of lecture per week.

ENG 343 AFRO-AMERICAN POETRY AND DRAMA (3). *Prerequisite:* ENG 111. Historical development of Afro-American poetry from Dunbar to Shange. Major twentieth-century Afro-American plays. Focus on drama as a medium in forming particular aspects and textures of the Black experience. Three hours of lecture per week.

ENG 344 AFRO-AMERICAN PROSE (3). *Prerequisite:* ENG 111. Selected Afro-American works of fiction and non-fiction. Analysis of themes, techniques and symbols. Special attention given to folkloric elements; i.e., blues, dozens, folktales, etc. as they are employed in the literature. Three hours of lecture per week.

ENG 350 ADVANCED COMPOSITION (3).* *Prerequisites:* ENG 111 or equivalent. Rhetorical modes, techniques of emphasis, strategies of editing and revising. May not be counted toward major/minor or M.A. in English, may count only twice toward elective credit. Satisfies graduation competency-in-writing requirement. Graded A-C/NC. Three hours of lecture per week.

ENG 352 WRITING AND SPEAKING SKILLS FOR MANAGEMENT (3).* *Prerequisite:* ENG 111, satisfying the junior-level competency in writing requirement; GWE (JEPET) score of 7 or better or certification writing course such as ENG 250. Principles and skills of effective communication within organizational management. This course concentrates on eliciting desired responses through various types of business communication in writing. May be counted only once toward major/minor and twice for elective credit. Graded A-C/NC. Three hours of lecture per week.

ENG 413 HISTORY OF THE ENGLISH LANGUAGE (3). *Prerequisite:* ENG 111. The evolution of English from its Indo-European origins, through Old and Middle English, to the rise and spread of Modern English. Three hours of lecture per week.

ENG 419 PSYCHOLINGUISTICS (3). *Prerequisites:* ENG 111 and ENG 310 or ENG 314 or one course in psychology. Current theory and research in the psychology of language and its historical background; experiments on speech production and comprehension; acquisition of language by children; disorders of speech and language. Three hours of lecture per week.

ENG 420 LINGUISTIC ANALYSIS (3).* *Prerequisites:* ENG 111 and ENG 311 or ENG 314. Descriptive and formal analysis of phonological, syntactic, and/or historical data from a variety of human languages. Three hours of lecture per week.

ENG 433 THEMATIC APPROACHES TO LITERATURE (3).* *Prerequisite:* ENG 111. An exploration of literature organized around such themes as Women Writers or Death and Dying, using works from a variety of cultures and historical periods. Three hours of lecture per week.

ENG 435 READINGS IN WORLD LITERATURE (3). *Prerequisite:* ENG 111. Intensive study of selected major writers from the world's literature, read in translation. Three hours of lecture per week.

ENG 451 CREATIVE WRITING (3).* *Prerequisite:* ENG 111 and consent of instructor. Practice in various forms of imaginative writing. Three hours of lecture per week.

ENG 456 EXPOSITORY WRITING (3). *Prerequisites:* ENG 111 and consent of instructor. Intensive training in expository writing for students with demonstrated competency in composition. Study of advanced principles of rhetoric, structure, and style. Frequent writing assignments. Satisfies University graduation requirement in writing competency. Three hours of lecture per week.

ENG 465 CHAUCER (3). *Prerequisite:* ENG 111. Chaucer's major poetry, its historical and literary background. Three hours of lecture per week.

ENG 467 SHAKESPEARE (3). *Prerequisite:* ENG 111. Selected comedies, histories, and tragedies. Three hours of lecture per week.

ENG 468 MILTON (3). *Prerequisite:* ENG 111. The major works of Milton. Three hours of lecture per week.

ENG 477 INDIVIDUAL AUTHORS (3).* *Prerequisite:* ENG 111. Works of a major author or, if applicable, the works of two authors: Blake, Arnold, Twain; or Pound and Eliot, Wordsworth and Coleridge, Emerson and Thoreau. Course may be repeated with new content. May be counted twice toward major or minor. Three hours of lecture per week.

ENG 485 STUDIES IN LITERATURE, COMPOSITION, AND READING (3). *Prerequisite:* ENG 111. Practice in devising strategies appropriate to the needs of students in grades 7-12; 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. Three hours of lecture per week.

ENG 486 STUDIES IN LANGUAGE AND LITERATURE (TESL) (3). *Prerequisites:* ENG 307 and ENG 311 or ENG 314, and ENG 485 or consent of instructor. Intensive study of linguistic and literary materials for teachers of English as a Second language. Three hours of lecture per week.

ENG 490 SEMINAR IN LITERATURE (3).* *Prerequisite:* Consent of instructor. Intensive study of one or more authors, a single historical period, a literary movement, a literary genre, or an aspect of literary criticism. Three hours of seminar per week.

ENG 494 INDEPENDENT STUDY (1-4)* *Prerequisites:* Consent of instructor and department chair. 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 semester in advance of registration.

ENG 497 DIRECTED READING (1-4)* *Prerequisites:* Consent of instructor and department chair. Extensive reading in selected areas under the guidance of a faculty member.

Graduate

Graduate standing or consent of the department chair is prerequisite to enrollment in graduate (500 level) courses.

ENG 500 SEMINAR: ADVANCED STUDIES IN POETRY (3). *Prerequisite:* Consent of instructor and department chair. Advanced study in poetry from a variety of critical approaches including Formalism, Social or Historical, Psychological, and Reader-Response Criticism. Three hours of seminar per week.

ENG 534 SEMINAR: STUDIES IN RENAISSANCE LITERATURE (1500-1603) (3).* *Prerequisite:* Consent of instructor and department chair. Aspects of English Renaissance literature within a framework of significant continental achievements, such as those of Erasmus, Ariosto, Castiglione, Machiavelli, Tasso, and others. Three hours of seminar per week.

ENG 537 SEMINAR: STUDIES IN LATE RENAISSANCE LITERATURE (1603-1660) (3).* *Prerequisite: Consent of instructor and department chair.* 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. Three hours of seminar per week.

ENG 540 SEMINAR: STUDIES IN NEO-CLASSIC LITERATURE (1660-1798) (3).* *Prerequisite: Consent of instructor and department chair.* 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. Three hours of seminar per week.

ENG 543 SEMINAR: STUDIES IN ROMANTIC LITERATURE (1798-1832) (3).* *Prerequisite: Consent of instructor and department chair.* Selected studies in the Romantic movement in English literature up to the death of Scott, including such precursors as Burns and Blake. Three hours of seminar per week.

ENG 545 LITERARY CRITICISM (3). *Prerequisite: ENG 307 or its equivalent and consent of instructor and department chair.* Major works in literary criticism selected from Aristotle to the present. Three hours of lecture per week.

ENG 546 SEMINAR: STUDIES IN VICTORIAN LITERATURE (1832-1901) (3).* *Prerequisite: Consent of instructor and department chair.* 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. Three hours of seminar per week.

ENG 549 SEMINAR: STUDIES IN MODERN BRITISH LITERATURE (3).* *Prerequisites: Consent of instructor and department chair.* 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. Three hours of seminar per week.

ENG 552 SEMINAR: STUDIES IN AMERICAN LITERATURE (1836-1917) (3).* *Prerequisite: Consent of instructor and department chair.* Selected study of major American writing from the American Renaissance to the First World War. Three hours of seminar per week.

ENG 555 SEMINAR: STUDIES IN MODERN AMERICAN LITERATURE (3).* *Prerequisite: Consent of instructor and department chair.* Study of selected American authors and their works since the Lost Generation. Three hours of seminar per week.

ENG 575 THE TEACHING OF COMPOSITION (3). *Prerequisite: Consent of instructor and department chair.* Theory and practice in the teaching of composition. Three hours of seminar per week.

ENG 576 HISTORY AND THEORIES OF RHETORIC (3). *Prerequisite: Consent of instructor and department chair.* Major theories of rhetoric from ancient Greece to the present time. Role of rhetoric in the history of ideas. Emphasis on multiple notions of rhetoric and attitudes toward it. Three hours of seminar per week.

ENG 577 CURRENT ISSUES IN RHETORIC AND COMPOSITION (3).* *Prerequisite: Consent of instructor and department chair.* Intensive study of selected topics in rhetoric and composition such as invention and the teaching of writing, issues in literacy instruction, rhetoric and contemporary culture, composition and cognitive development, the composing process in a rhetorical framework, linguistic approaches to rhetoric. Three hours of seminar per week.

ENG 580 STYLE IN ENGLISH (3). *Prerequisite: Consent of instructor and department chair.* An investigation of how language functions in literature. Style as a concept. Practice in close analysis of the style of selected texts. Three hours of seminar per week.

ENG 590 SEMINAR IN LITERATURE (3).* *Prerequisite: Consent of chair.* Study of a writer, a period, a genre, a theme, or a problem in literature. Three hours of seminar per week.

ENG 591 INTEGRATIVE SEMINAR IN LITERATURE (3).* *Prerequisite: Consent of instructor and department chair.* Comparative study of genres, literary movements, or authors over more than one period. Three hours of seminar per week.

ENG 592 SEMINAR: TOPICS IN LINGUISTIC THEORY (3).* *Prerequisites: Consent of instructor and department chair.* Advanced topics in phonological, syntactic, or historical-comparative theory, the topic varying from quarter to quarter. Three hours of seminar per week.

ENG 594 INDEPENDENT STUDY (1-4).* *Prerequisites: Consent of instructor department chair.* 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.

ENG 597 DIRECTED READING (1-4).* *Prerequisites: Consent of instructor and department chair.* Extensive reading in selected areas under the guidance of a faculty mentor.

ENG 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.



FRENCH

BACHELOR OF ARTS

MINOR

FACULTY

Frances Lauerhass, Department Chair (Foreign Languages)

Yvone Lenard-Rowe (Emeritus)

Jane Lexow, Department Secretary (Foreign Languages)
HFA E-309, (213) 516-3315 or 516-3316

FEATURES AND CAREER POSSIBILITIES

The major or minor in French provides a useful background for 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 Department of State (Consular Services, for example).

Classroom instruction in French is supplemented by the modern listening and recording equipment and tapes in the foreign language laboratory.

ACADEMIC ADVISEMENT

Students are urged to see an advisor upon admission, upon completion of 60 semester units, and during the first semester of their senior year. Students should come to the department office to be assigned an advisor. An advisor can be particularly helpful in choosing the French course best suited to the background and needs of each student. If necessary, the advisor will provide the student with a placement exam.

Academic advisors may refer their students to other student services when appropriate.

PREPARATION

High School students who plan to major or minor in French are encouraged to take at least two years of French in high school. Those who have completed four years of high school French successfully may be able to begin their study of French at CSU Dominguez Hills at the upper division level.

Community College transfer students planning to take upper division French courses at CSU Dominguez Hills should have completed four semesters of college level French successfully. Those who have taken fewer than four semesters of French in a community college will be placed at an appropriate level by means of advisement.

STUDENT ORGANIZATIONS

Pi Delta Phi: Membership in our Eta Chi Chapter of Pi Delta Phi, the National French Honor Society, is open to students who have completed a minimum of five French courses including one in French literature, who rank in the upper 35 per cent of their class in general studies, and who have a "B" average in French. The purpose of this Société d'Honneur Française is to recognize outstanding scholarship in the French language and literature; to increase the knowledge and admiration of Americans for the contributions of France to world culture; and to stimulate and encourage cultural activities that will lead to a deeper appreciation of France and its people.

Students interested in applying for membership should consult the chair of the Department of Foreign Languages.

MAJOR REQUIREMENTS - BA (24-36 units)

Lower Division Requirements (0-12 units)

- FRE 110 - 111. Beginning French I and II (3,3)
 FRE 220. Second Year French (3,3)

NOTE: Students who have completed two, three, or four years of high-school or community college French and who pass a proficiency test will be placed in the appropriate semester of college French. Consult a departmental adviser for details.

Upper Division Requirements (24 units)

1. Required Courses (21 units)
 - FRE 301. A Bon Vivant Guide to French Culture (3)
 - FRE 305. Advanced Composition, Syntax, and Stylistics (3)
 - FRE 310. The Study of Language (3)
 - FRE 450. French Culture (3)
 - FRE 452. French Literature I (3)
 - FRE 453. French Literature II (3)
 - FRE 490. Seminar in Special Topics in French Literature (3)
2. Plus one elective from the upper division offerings in French (3 units)

MINOR REQUIREMENTS (12-24 units)

Lower Division Requirements (0-12 units)

- FRE 110 - 111. Beginning French I and II (3,3)
 FRE 220. Second-Year French (3,3)

NOTE: Students who have completed two, three, or four years of high-school or community college French and who pass a proficiency test will be placed in the appropriate semester of college French. Consult a departmental adviser for details.

Upper Division Requirements (12 units)

- FRE 305. Advanced Composition, Syntax, & Stylistics (3)
- FRE 310. The Study of Language (3)
- FRE 450. French Culture (3)
- FRE 452. French Literature I (3), or
- FRE 453. French Literature II (3)

COURSE OFFERINGS IN FRENCH

Lower Division

FRE 110 BEGINNING FRENCH I (3). Basic instruction in French. Training in speaking, listening, reading, and writing for students who have had no previous work in French. Three hours of lecture per week.

FRE 111 BEGINNING FRENCH II (3). *Prerequisite: FRE 110 or consent of instructor.* A continuation of French 110. Three hours of lecture per week.

FRE 220 SECOND-YEAR FRENCH (3).* *Prerequisite: At least one year of college French or consent of instructor.* Individualized instruction in French language, life and letters for second-year and advanced first-year students in French. This course taken successfully twice completes lower division requirements for the major and minor. Three hours of lecture per week.

Upper Division

FRE 301 A BON VIVANT GUIDE TO FRENCH CULTURE (3). 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. Three hours of lecture per week.

FRE 305 ADVANCED COMPOSITION, SYNTAX, AND STYLISTICS (3). *Prerequisite: FRE 220 or equivalent.* A reading, composition, and discussion course concerned with elements of style and syntax, with emphasis on creative writing by students. Three hours of lecture per week.

FRE 310 THE STUDY OF LANGUAGE (3). Traditional and modern approaches to the study of language; fundamentals of phonology and grammar (same as ENG 310 and SPA 310). Three hours of lecture per week.

FRE 450 FRENCH CULTURE (3). *Prerequisite: FRE 220 or equivalent.* An area studies course focusing on patterns of French civilization and culture. Three hours of lecture per week.

FRE 452 FRENCH LITERATURE I (3). *Prerequisite: FRE 220 or equivalent.* French literature from the Middle Ages to the Revolution. Three hours of lecture per week.

FRE 453 FRENCH LITERATURE II (3). *Prerequisite: FRE 220 or equivalent.* Prose and poetry of the nineteenth and twentieth centuries. Three hours of lecture per week.

FRE 490 SEMINAR IN SPECIAL TOPICS IN FRENCH LITERATURE (3).* *Prerequisite: FRE 452 or FRE 453 or consent of instructor.* Intensive study of a single author, a literary movement, a literary genre, or a single work. Three hours of seminar per week.

FRE 494 INDEPENDENT STUDY (3).* *Prerequisites: B average in French, upper division standing, and consent of instructor and department chair.* Independent study of a literary or linguistic problem, author, or movement.

FUTURE POLICY STUDIES

MINOR

General Option

Energy Studies Option

FACULTY

Linda Groff (Political Science), Program Coordinator

Sandra Orellana (Anthropology), William Blischke (Sociology and Institutional Research), Barbara Chrispin (Management), Robert Christie (Sociology), Rodney Freed (Economics), Charles Fay (Philosophy), John LaCorte (Philosophy), David Safer (Communications), Jamie Webb (Earth Sciences), Francis McCarthy (Biology), Eugene Garcia (Chemistry), Danette Dobyys (Chemistry).

Department Office:
SBS G-326, (213) 516-3434

PROGRAM DESCRIPTION

Future Policy Studies is a field of multidisciplinary studies that focuses upon the accelerating pace of change and the multitude of complex and interdependent problems confronting the world today. Solutions to these problems require long-range planning, changes in values and lifestyles, and often a new context for looking at problems and opportunities, if a desirable future is to be achieved on this planet. The purpose of the Future Policy Studies minor is to introduce students to the range of current problems, changes and opportunities confronting the world today in such areas of technology as computers, telecommunications, transportation, architecture, medicine, agriculture, weaponry and space; plus climate, the environment, resources and energy, food, population, the economy and work, lifestyles and alternative communities, values and consciousness. The program also studies the interdependence and future implications of current problems and policies; methods for forecasting and creatively anticipating the future; the range of possible world futures and the urgency of developing long-range policies and enlightened, responsible leadership to ensure a more desirable future.

The Future Policy Studies minor offers two options: a General Option in Future Policy Studies; and an Energy Studies Option. The required and core courses in both options are the same; only the choice of electives differs (as outlined below under Minor Requirements).

While a minor such as Future Policy Studies cannot claim to prepare the student for a career as a professional futurist, the Future Studies Committee believes that the Future Policy Studies minor is an excellent preparation for students wanting to better understand the rapidly changing world in which they will all be working and living in the future. As such, the Future Policy Studies minor—in both its options—is an excellent preparation for life: it can help students see greater opportunities for their own lives and help them to better plan for their own futures.

The interdisciplinary nature of the Future Policy Studies minor including courses from all schools and numerous departments on campus—also means that this minor will fit together well with almost any major on campus.

For students wishing to pursue a professional career in Future Studies, the Future Studies minor, along with a graduate M.A. and/or Ph.D. degree in Future Studies, is recommended. Information about such graduate programs is available from the Future Policy Studies coordinator and faculty. Increasing numbers of organizations, in both the public and private sectors, now are looking for professional futurists.



FEATURES

Since Future Studies is a relatively new field, the Future Policy Studies Program at CSU Dominguez Hills is one of the few such programs in California and in the different California State University campuses. Its interdisciplinary nature is also a unique feature of the program.

ACADEMIC ADVISEMENT

Students are expected to seek faculty advisement from either the coordinator or other faculty advisors in the Future Policy Studies Program when they first join the program and on a regular basis thereafter. Since future studies courses must be coordinated with many departments, it is especially important that Future Policy Studies minors keep in touch with the coordinator or other faculty advisors in the program on a regular basis, to keep informed about what courses are being offered each semester so that they can plan their schedules accordingly. The Future Policy Studies coordinator and advisors also can assist students in recommending universities with graduate programs in Future Studies for those interested in professional work in this field.

PREPARATION

No specific high school or junior college courses are required as prerequisites for the Future Policy Studies minor. However, good reading, writing and basic mathematical skills, as well as minimum computer literacy, are helpful, as are any futures-related courses from the social sciences, natural sciences, computer science, business or humanities.

An interest in understanding the diverse and interrelated changes confronting the contemporary world, and opportunities associated with these changes, is the best prerequisite.

MINOR REQUIREMENTS

For program requirements and course availability, please contact the Future Policy Studies coordinator.



GENERAL STUDIES

General Studies Coordinator
University Advisement Center
SCC B-145, (213) 516-3538

PROGRAM DESCRIPTION

The General Studies Program is based on the ideal that a general education is necessary to become a literate and knowledgeable participant in our society. Historically, the ideal of general education is not new, dating back to the Greeks or before. For example, Aristotle was well-educated in many areas valued by his culture; he wrote plays, he was a scientist, he was a public leader and speaker. Through the ages individuals, such as Leonardo DaVinci; W.E.B. Dubois, essayist, editor and civil rights leader, scientist and educator; Queen Elizabeth I of England; Catherine the Great of Russia, Eleanor Roosevelt; and Gertrude Stein, writer, art critic, collector and promoter; have displayed the ideal of general education. Although the emphasis a culture places on the value of a general education for the individual has varied, the ideal has never disappeared.

One might wonder why. Trends in academe, some experts have suggested, reflect a culture's current values concerning the individual and society. Current academic philosophy views each individual student as an independent entity, who is also interdependent with his/her group and who shares a sense of values, responsibilities, governance, heritage, and a world vision with this group. The academic curriculum supports the student as an independent entity with general electives and individual majors. The general education curriculum supports the individual as part of a group with shared cultural experiences.

A good general education can directly benefit the individual in two ways. First, it enables students to discover the specialization that best suits their interests and capabilities. Second, it provides students with the "liberal skills" to become a literate participant in our society.

Many freshmen and sophomores have not decided upon a major. Even those who have chosen a major may change their interests. By taking general education courses that seem interesting and challenging rather than only those which best fit the student's schedule, students can discover a discipline that will satisfy them both now and in the future.

Just as important as finding a major, students can gain skills in general education courses that enhance their careers as well as their everyday activities. Such skills might be called "liberal skills" or "transferable skills;" these include, but are not limited to, communication skills, deductive skills and personal skills.

CSU Dominguez Hills' general education program called General Studies is the nucleus of the undergraduate curriculum at the University, deliberately structured to provide the intellectual and affective foundation required of a well-educated person. One major purpose of the program is to assure that students who enter the University at the lower division level acquire appropriate knowledge, experiences and skills in the liberal arts and sciences. Another major purpose is to assure that students are not only able to make connections between their General Studies work and other coursework in the baccalaureate program, but, more importantly, are stimulated to pursue life-long education in the liberal arts and science fields. The philosophy underlying General Studies offerings is that they are courses for nonspecialists, presenting subject matter related to the wider context of knowledge and stimulating interest in life-long learning. General Studies courses present breadth, deal with representative concepts, and provide some integration of concepts.

The General Studies Program, which is divided into three components, requires 52-59 semester units: (A) 14-17 units of Basic Skills; (B-E) 29-30 units of lower division General Education divided among Natural Sciences (nine units), Humanities (nine

units), Social Sciences (nine units), and The Whole Person (two-three units), and (F) nine units of upper division Integrative Studies. In addition, students must take a course that emphasizes cultural pluralism (0-3), but which also can satisfy General Studies or other graduation requirements as well. The requirement in American Institutions (HIS 101 or examination and POL 101 or examinations) is not part of the General Studies Program, but is a graduation requirement. **Finally, students must complete at least 9 semester units in General Studies at CSU Dominguez Hills.**

Lower division General Studies courses may be "double-counted" in both the major and the minor. Upper division General Studies courses may be double-counted in the following majors only: Liberal Studies, Clinical Sciences and Interdisciplinary Studies (majors in these programs should consult their faculty advisor for details).

Upper division General Studies courses may be double-counted in the minor if (a) at least 12 semester units are taken in the minor exclusive of General Studies courses and (b) General Studies courses used in the minor have the approval of the chair/coordinator responsible for the minor. Even though students may double-count certain General Studies courses, they will not receive additional unit credit towards graduation by double-counting; for example, a double-counted course counts three units not six towards graduation.

A. BASIC SKILLS

Basic Skills are those skills that are to be obtained through coursework in the following areas: composition, quantitative reasoning, logic/critical reasoning, and library skills. The Basic Skills component of General Studies is designed to help students: read with critical perception materials written for the non-specialist; express ideas easily and effectively; handle quantitative data and concepts at the level necessary for the non-specialist; think coherently and logically about problems facing human beings; and use library source material easily, effectively and honestly. Since the acquisition of Basic Skills is essential to a successful baccalaureate experience, students are strongly urged to complete the courses as early as possible in their baccalaureate programs.

A1. Objective for Basic Skills in Composition

Students who complete the Basic Skills requirement in Composition should be able:

1. to compose sentences and to use diction appropriate to the purpose, occasion and audience of a composition;
2. to use paragraphs effectively either as unified and coherent units of thought in exposition, or as segments of an unfolding piece of narration/description;
3. to order the parts of a composition to achieve an objective;
4. to formulate and develop a controlling idea for each full composition written (the term "idea" is here taken in its generic sense to include the notion of an image or a sensation, as, for instance, in a paper that seeks to organize details to project a significant impression);
5. to write a two- or three-page paper that is virtually free from serious errors in usage and mechanics;
6. to recognize appropriate sources, to use them correctly and to follow scholarly conventions of documentation;
7. to write effective expository prose using organizational frameworks such as definition, enumeration, classification, comparison and contrast, cause and effect, and analysis; and
8. to write a short paper that assembles, integrates, organizes, documents and presents evidence in support of a thesis.

Students are exempted from Basic Skills courses in English Composition by a suitable score on the Advanced Placement Test, the English Equivalency Examination, or a composition challenge examination.

A2. Objectives for Basic Skills in Quantitative Reasoning

In fulfillment of the Basic Skills requirement in Quantitative Reasoning, students should be able:

1. to understand the concept of mathematical probability and to apply combinatorics, probabilities and measures of central tendency to a variety of problems,
2. to use the fundamentals of algebra, including progressions and series; to develop an understanding of the origin and use of formulas that arise from exponential and logarithmic growth and decay,
3. to understand the fundamentals of linear programming and its use in solving applied problems,
4. to understand the fundamentals of graph theory and the range of practical problems to which it can be applied,
5. to be able to use the above concepts to analyze problems and to develop strategies for solving these problems.

Students are exempted from the Basic Skills course in Quantitative Reasoning if they receive a suitable score on a challenge examination or if they successfully complete a course requiring more advanced mathematical ability.

A3. Objectives for Basic Skills in Logic/Critical Reasoning

In fulfillment of the Basic Skills requirement in Logic/Critical Reasoning, students should be able:

1. to understand the idea of a valid argument and the technique of formal argumentation;
2. to present and support an argument;
3. to understand what constitutes evidence and to derive a conclusion from a given set of facts;
4. to recognize the differences between assumptions, inferences, conclusions, facts and opinions;
5. to analyze and evaluate arguments; and
6. to apply the skills of critical reasoning to everyday life as well as to the university experience.

Students are exempted from the Basic Skills course in Logic/Critical Reasoning by a suitable score on a challenge examination.

A4. Objectives for Basic Skills in Oral Communication

In fulfillment of the Basic Skills requirement in Oral Communication, students should be able:

1. to understand the elements of oral communication, including basic rhetorical strategies in speech;
2. to give lucid, logical and persuasive speeches in a variety of contexts;
3. to display self-confidence in interpersonal and group communication;
4. to utilize effective delivery techniques; and
5. to listen to and analyze the effectiveness of other speakers.

Students are exempted from the Basic Skills course in Oral Communication by a suitable score on a challenge examination.

A5. Objectives for Basic Library Skills

In fulfillment of the Basic Skills requirement in Library Skills, students should be able:

1. to demonstrate familiarity with the existence and types of library services and major resource areas, e.g. Reference Collection, Government documents;
2. to use the card catalog effectively and locate materials identified through the catalog;

3. to use several basic periodical indexes and locate materials identified through these indexes;
4. to formulate (and refine as necessary) a topic and thesis sentence suitable for a library research paper of 10 to 20 pages;
5. to indicate the need for evaluation of sources' suitability and relevance for the stated topic of research and to be aware of the major criteria for making such an assessment;
6. to plan and implement a search strategy for efficiently integrating and utilizing pertinent bibliographies, indexes, etc., on a topic of the student's choosing;
7. to demonstrate awareness of the vast variety of other information sources and of other libraries' existence and potential usefulness;
8. to cite monographs and periodical articles in correct bibliographical format for footnotes and references according to any one of the commonly accepted style manuals; and
9. to demonstrate an understanding of the difference between the ethical use of source material and plagiarism.

NOTE: Courses used to satisfy Area "A" of General Studies (Basic Skills) must be at the grade level of "C" or better to meet graduation requirements from CSU Dominguez Hills. Students who transferred in "D" grades in Basic Skills courses must repeat those courses to satisfy graduation requirements from the University. Although these courses are used to determine eligibility for admission for graduation purposes, unit credit will be granted only once for the same course regardless of the number of times the course has been repeated.

LOWER DIVISION GENERAL EDUCATION

Building on the Basic Skills competencies, the second component of the General Studies program, lower division General Education, consists of nine (9) semester units in the area of the Natural Sciences, nine (9) semester units in the area of the Humanities, and nine (9) semester units in the area of the Social Sciences, and two to three (2-3) semester units in The Whole Person. This component has three major purposes. The first is to introduce students to the facts, principles and intellectual skills required of educated individuals to function more effectively as human beings in society. The second is to acquaint students with the nature, scope and practical applications of the major fields of knowledge. And the third is to encourage students to relate their study in the academy to the world of work and leisure.

B. Objectives for the Area of the Natural Sciences

The overall objective of the Natural Science General Studies courses is to provide students with an opportunity to achieve basic scientific literacy. A scientifically literate person is acquainted with the scientific method and understands the nature of the modeling process and the importance of hypothesis and experiment in the advance of science. Such a person has an appreciation and general understanding of a significant part of the body of fundamental knowledge accumulated by the natural sciences and from that understanding has developed some ability to reason deductively. In addition, scientific literacy confers an ability to follow new developments in the natural sciences and the ability to think in an informed manner about social and political issues that involve science and technology. Scientific literacy can be divided into two major components: (1) an awareness of the nature and methodology of the natural sciences; and (2) an awareness of the important results of scientific inquiry.

The acquisition of scientific literacy is best encouraged by instruction from both methodological and topical perspectives. Therefore, the natural science objectives are divided into two parts corresponding to these two components. The Part 1 Objectives are satisfied by a single course that deals with ideas that have been chosen to emphasize the nature of scientific concepts and the methods of the natural sciences. The Part 2 Objectives are satisfied by two courses, selected in such a way as to provide balance among the major subdivisions of the natural sciences.

The courses that fulfill to meet the objectives below can and should provide students with a coordinated and balanced development of their scientific literacy. However, each student can do much to optimize this development. For this reason, it is strongly recommended that, when possible, students complete the basic skills requirement in Quantitative Reasoning before attempting general education courses in the natural sciences. It also is suggested that the courses in the natural sciences be taken in the same order as the objectives below:

B1. PART 1 OBJECTIVES (one course)

- A. To teach the student the methods of the natural sciences as these methods are seen and used by working scientists. This will require student participation involving specific examples of the following processes:
 1. the systematic observation of nature and the detection of similar patterns in observed phenomena.
 2. the formulation of hypotheses and models to explain these patterns and the use of these models and hypotheses to make testable predictions.
 3. the design and execution of tests of these hypotheses and the subsequent rejection, modification or refinement of the hypotheses.
- B. To teach the student the characteristic attributes of fundamental scientific concepts from the perspective of the natural sciences. This will include contact with the following features in the context of representative and fundamental scientific ideas:
 1. the assumption that nature has an objective existence that is intelligible.
 2. the importance of limitation of scope in the production of useful concepts and the related limits to the applicability and usefulness of scientific models and concepts.
 3. the roles of quantitative reasoning and of formal manipulation of models and relationships in generating predictions.
 4. the distinction between a scientific hypothesis and the ideas of pseudoscience.
 5. the relationship between scientific ideas and their technological applications.

B2. PART 2 OBJECTIVES (TWO COURSES):

- A. (One course) To teach the student the structure and results of a fundamental, comprehensive physical science, which is principally analytic, quantitative and deductive.
- B. (One course) To teach the student the structure and results of a fundamental, comprehensive life science, which is principally descriptive, and to provide the student with some laboratory experience associated with this science.

As a result of these courses, the student should be able to:

1. Describe a representative selection of fundamental concepts and principles of the science.
2. Cite various phenomena in a variety of contexts that illustrate the applicability of specific principles of this science.
3. Describe some of the major applications of the principles of this science.
4. Describe some of the major effects that this science and related technologies have had on societies.

See the program requirements for a list of approved courses meeting the objectives for Part 1 and Part 2.

C. Objectives for the Area of the Humanities

Training in the humanities helps to develop three peculiarly human faculties: aesthetic sensibility, intuitive thought and the ability to synthesize. In particular, students should be exposed to those works of music, art, drama and language that, by general

agreement, represent and extend that aesthetic sensibility most fully and that explore human experience, which can be reached only through intuitive vision. Introduction to the arts, literature or speculative philosophy, gives us the language, expressing what Byron calls "felt-thought," that allows us to report on this realm.

The humanities address the human drive toward unity. The principles of order, the laws of form, may be musical or visual, poetic, philosophical, rhetorical, dramatic, speculative or historical. The ability to synthesize presumes an intelligence disciplined by criticism and reasoning.

Training in these three faculties serves to foster a fourth and even more distinctly human faculty: the creative imagination. General education in the humanities should recognize and nurture creativity.

General Studies in the humanities should provide the following:

1. Cultural knowledge — Acquaints students with significant works of art, literature and philosophy in order to give students a picture of current worldwide culture.
2. Historical knowledge — Introduces students not only to the present state of their culture, but also to its development from earlier and different states.
3. Aesthetic/perceptual training — Through direct experience teaches students to appreciate works of music, art, literature and drama.
4. Critical discipline — Introduces students to the critical canons within various fields, while contrasting personal opinion with critical evaluation that must adhere to the disciplines of public discourse.
5. Opportunities for creativity — Encourages students to create artistic, literary or philosophical works and to have their work criticized so as to experience both that act of creation and the subjection to critical attention.
6. A force for synthesis — Develops student's ability to recognize the relationships between all human expression, forming a coherent picture of the world that will be usable as a basis for value judgments.

The nine (9) semester unit package of courses listed under program requirements has been designed so that students completing these courses will meet the above six objectives. At the same time the package offers the student an opportunity for some individual choice in course selection.

D. Objectives for the Area of the Social Sciences

The General Studies courses offered in the area of the social sciences are designed to help students better understand themselves and the world around them. These course offerings respond to the recognition that in an increasingly complex, interdependent and changing world, individuals must learn how to cope with ever pressing social problems and to manage and improve conditions, institutions and events that affect them.

The social and behavioral sciences constitute a set of disciplines that, though they overlap, are distinct. Each discipline has an independent history, traditional themes and sophisticated theories, methodologies and applications regarding the phenomena of society and behavior. While social and behavioral scientists do not always agree upon a single analytical paradigm, they do share common values regarding the potential usefulness of their disciplines in understanding human behavior and recognize the interrelationships among their studies.

The fundamental concerns of the General Studies program in the Social and Behavioral Sciences are to introduce students to the primary structural levels of analysis used in the disciplines and to demonstrate the significance of historical backgrounds to contemporary behavior. A selection of courses from the categories will provide students with the understanding of individuals, groups and societies, and global and historical interrelationships. Each course is designed to acquaint students with basic concepts and analytical methods and will demonstrate the interdisciplinary nature of all the social and behavioral sciences.

D1. CATEGORY 1 OBJECTIVES: INDIVIDUAL PERSPECTIVES

On completing a course in this category a student should be able to demonstrate an understanding of the:

1. basic concepts and methods necessary for studying the personal functioning and social behavior of individuals.
2. influence of psychological and social processes on the development of the perception of self and others.
3. nature of cognition and language and their relationship to critical aspects of social and personal development.
4. social and psychological variations in individual behavior.

D2. CATEGORY 2 OBJECTIVES: GROUPS AND SOCIETY

On completing a course in this category a student should be able to demonstrate an understanding of the:

1. conceptual and methodological frameworks necessary for studying groupings in a society.
2. interrelationships between various institutions and group dynamics within a society, and their role in generating and resolving social issues.
3. cultural and group diversity and applications of the concept of cultural relativity.

D3. CATEGORY 3 OBJECTIVES: GLOBAL PERSPECTIVES

On completing a course in this category a student should be able to demonstrate an:

1. awareness of and knowledge about the international system and world environment.
2. understanding of the global interdependencies among people, outlooks, institutions and attributes.
3. appreciation of the role of the individual as an international observer, analyst and participant.

D4. CATEGORY 4 OBJECTIVES: HISTORICAL PERSPECTIVE

On completing a course in this category a student should be able to demonstrate an:

1. ability to analyze historical change and cultural process.
2. understanding that current issues and conditions are shaped by their past historical and cultural development.
3. understanding of the complexity of evolutionary and historical processes and of the limits on and potential for social change.
4. understanding of how sciences which deal with the human past formulate and test hypotheses to understand change and how they evaluate sources, whether human fossils, artifacts or written documents.

As a result of having taken courses in these categories, a student should be familiar with the basic units and levels of analysis that organize much of the thought and work of social and behavioral scientists and facilitate interdisciplinary communication and cooperation. The student should be better prepared to interpret and interrelate human behavior and events taking place locally and globally, and on the basis of this preparedness, to make better informed decisions about the future of humankind.

E. Objectives for the Whole Person

Courses satisfying this requirement must meet the following objectives:

1. facilitate understanding of the human being as an integrated physiological, social and psychological organism
2. include selective consideration of such matters as human behavior, sexuality, nutrition, health, stress, key relationships

of humankind to the social and physical environment, and implications of death and dying. Physical activity also can be included, provided that it is an integral part of the study described above.

See program requirements for a list of approved courses meeting the objectives for The Whole Person.

F. Upper Division Integrative Studies

The third component of the General Studies Program consists of nine semester units of upper division integrative coursework. General Studies is a process rather than a discrete segment of undergraduate education and, as such, is not limited to the freshman and sophomore years. All too often it is assumed that liberal education is to be achieved in the first two years of the baccalaureate, and the last two years are to focus solely on specialized study, whether it be in a basic or applied field. To establish General Studies as a process, students who enter this University as transfer students will be able to study in this program. Upper division integrative coursework, which is the capstone and completion of the General Studies program, must be taken after 60 semester units and the lower division components of General Studies (or their equivalent) have been completed.

F1. OBJECTIVES FOR INTEGRATIVE STUDIES IN THE HUMANITIES

The lower division General Studies courses in the humanities are designed to acquaint students with the cultural and historical background as well as the critical and perceptual training that will help them develop aesthetic sensibility, rational and intuitive thought, and creative imagination. Upper division General Studies courses in the humanities build on that base, developing integrated humanistic and ordered world-views. Students completing a course in this category should:

1. understand the relationships among the various disciplines that comprise the humanities.
2. place these relationships within an historical context.
3. relate the humanities to modern life.
4. cultivate their imaginative and synthesizing powers through aesthetic and intellectual activities.

F2. OBJECTIVES FOR INTEGRATIVE STUDIES IN THE NATURAL SCIENCES

Courses in Integrative Studies in the Natural Sciences are interdisciplinary courses that build upon the knowledge students have acquired by completing their lower division coursework in the natural sciences. While these courses will include content from disciplines outside the natural sciences, their primary focus is on integration of knowledge within the natural sciences.

Students completing a course in this category should:

1. understand the relationship of science to humanity through inquiry into: the origin of scientific discovery, the implications and consequences of scientific and technological development, and the impact of natural processes on the works of people.
2. further develop an understanding of the methods, processes, terminology and major concepts of science through a more specialized interdisciplinary study in science.

F3. OBJECTIVES FOR INTEGRATIVE STUDIES IN THE SOCIAL SCIENCES

The categories of upper division courses in the social sciences represent integrative themes and contemporary research applications. Focusing on specific topics, students will explore the conceptual and methodological links among the social sciences or subfields of a discipline. Courses will stress contemporary research, interpretations, issues and trends. Specific objectives of the categories are as follows:

1. Courses in individual processes focus on the interaction among factors that shape the individual.

2. Courses in social issues focus on contemporary social political or economic concerns and problems using a variety of perspectives in the social sciences.
3. Courses in global trends focus on social, political, environmental and economic processes seen from a global perspective.
4. Courses in social change focus on major processes of continuity and development and on the origination and impact of new ideas, social structures and technologies.
5. Courses in cultural pluralism focus on the nature of cultural diversity and the processes of cultural interaction, inter-ethnic relations and cultural integration on community, national and international scales.

G. Objectives for Integrative Studies in Cultural Pluralism

Cultural pluralism involves the interaction within a given society of people with different ways of living and thinking. It is the historical result of the amalgamation of various behaviors, beliefs, technologies and expressive forms. Typically, a pluralistic society includes several distinct social or cultural groups that are interdependent within a common social, economic or political system yet maintain a degree of autonomy in other spheres of life, such as family, recreation, intellectual pursuits and religion. In Southern California, where increasingly the society is multicultural in many significant ways, the need for this dimension in undergraduate education is clear. Consequently, all students will complete one interdisciplinary course in cultural pluralism, which emphasizes the impact of the integration of cultures. Students who complete this course should:

1. enhance their understanding of the concept of culture as variously defined and applied.
2. increase their knowledge of the processes of cultural and ethnic development on a national and international scale.
3. become acquainted with the different factors influencing the structure and content of culturally pluralistic and inter-ethnic relationships.
4. be provided with the intellectual tools for acquiring and communicating an understanding of diverse ways of life.

Honors Program

An Honors Program for new and continuing students began in fall 1983 with specially-designated sections of General Studies courses. This program provides Honors Students with opportunities for special study, advisement and enrichment programs throughout their undergraduate careers. For further information, contact the coordinator of the Honors Program.

PROGRAM REQUIREMENTS (52-59 units)

General Studies Residence Requirement: The California State University System requires all students to complete 9 semester units in general education (General Studies at CSUDH) at the campus from which they graduate. The following is the list of courses that are offered in the General Studies program. These courses fulfill the objectives stated in the program description. For complete course descriptions, refer to those sections of the catalog that describe the programs offering these courses:

A. Basic Skills (14-17 semester units) These courses must be passed with a grade of "C" or better.

1. Composition (6 or 7 units)

ENG 110. Freshman Composition I (3)
ENG 111. Freshman Composition II (3)

or

3 Writing Adjuncts, IDS 107 (2 units each)

or

Any combination of the above courses totalling six (6) or more units.

2. Quantitative Reasoning (3 units)

MAT 105. Finite Mathematics (3) or any course offered in mathematics other than MAT 003, MAT 005, MAT 009, MAT 107, MAT 113, MAT 131, MAT 307.

3. Logic/Critical Reasoning (3 units)

Students should select one of the following:

PHI 120. Critical Reasoning (3)
PSY 110. Critical Thinking and Problem Solving (3)

4. Oral Communication (2 units)

THE 120. Fundamentals of Speech (2)

5. Library Skills (0-2 units)

This category is optional. However, students are strongly encouraged to strengthen their library skills. This can be accomplished by taking:

LIB 150. Library Skills and Strategies (2)

B. Area of the Natural Sciences (9 units)

All students are required to take one life science course, one course in the nature and methodology of the natural sciences, and one additional course in important results of scientific inquiry. One of these courses must have a laboratory component.

1. Nature & Methodology of the Natural Sciences (3 units)

PHY 100. Patterns in Nature (3)

2. Important Results of Scientific Inquiry (6 units)

CHE 102. Chemistry for the Citizen (3) or
EAR 100. Introduction to Earth Sciences (3)
and

Life Science (3 units)

BIO 102. General Biology (3) (includes laboratory)

Students majoring in Liberal Studies may substitute PHY 106 and PHY 108 for PHY 100 and CHE 102/EAR 100. Students majoring or minoring in one of the natural sciences may substitute more advanced science courses. These students should see a faculty advisor.

C. Area of the Humanities (9 units)**1. HUM 200. Introduction to the Humanities (3)**

All students are required to take HUM 100.

2. Students should select TWO courses from the four categories below. Two DIFFERENT categories and two DIFFERENT departments must be represented.**a. Cross-Cultural Perspectives (3 units)**

FRE 220. Second-Year Growth (2)
MAS 100. The Americas: European Cultural and Historical Synthesis (3)
SPA 151. Introduction to Hispanic Culture (3)
SPA 221. Intermediate Spanish II (3)

b. Aesthetic/Perceptual Training (3 units)

ART 100. Looking at Art (3)
ENG 230. Literary Perceptions (3)
MUS 101. Introducing Music (3)
THE 100. Television, Films, and Theatre (3)

c. Critical Discipline (3 units)

COM 130. Film Classics (3)
LIN 100. Introduction to Language (3)
PHI 102. Humanity, Nature and God (3)

d. Opportunities for Creativity (3 units)

ART 101. Experiencing Creative Art (3)
DAN 130. Dance Perceptions (3)
ENG 271. Writers' Workshop (3)
MUS 110. Music Fundamentals (3)
PHI 101. Values and Society (3)
THE 160. Introduction to Acting (3)

D. Area of the Social Sciences (9 units)

Students should select THREE courses from the four categories below. Three DIFFERENT categories and three DIFFERENT departments must be represented.

1. Individual Perspectives (3 units)

PSY 101. General Studies Psychology:
Understanding Human Behavior (3)
SOC 101. The Individual in Society (3)

2. Groups and Society (3 units)

ANT 100. Introduction to Cultures (3)
ECO 200. Contemporary Economic Issues and Problems (3)
SOC 102. Understanding Social Relationships (3)

3. Global Perspectives (3 units)

GEO 100. Earth, the Human Home (3)
POL 100. General Studies Political Science:
World Perspectives (3)

4. Historical Perspectives (3 units)

ANT 115. Introduction to Archaeology and Physical Anthropology (3)
HIS 100. Perspectives on the Present (3)
HIS 111. The Western World: The Modern Experience (3)

E. The Whole Person (2 or 3 units)

Students should select one of the following courses:

HEA 100. Health and Lifestyles (3)
PED 235. Lifetime Fitness (3)
PSY 285. Health Psychology (3)
REC 100. Dimensions of Leisure (2)
SBS 101. Personal, Social, Intellectual Development (3)

F. Upper Division Integrative Studies (9 units)

Students should select one course from each category. Courses in this category are to be taken after 60 semester units and ALL lower division General Studies courses have been completed.

1. Integrative Studies in the Humanities (3 units)

HUM 310. Key Concepts (3)
HUM 312. Key Movements (3)
HUM 314. Key Issues (3)

2. Integrative Studies in the Natural Sciences (3 units)

SMT 310. Science and Technology (3)
SMT 312. Natural Processes and Human Welfare (3)
SMT 314. Introduction to Cosmology (3)

3. Integrative Studies in Social Sciences (3 units)

Students should select one of the following courses.

SBS 310. Individual Processes (3)
SBS 312. Social Issues (3)
SBS 314. Global Trends (3)
SBS 316. Social Change (3)
SBS 318. Cultural Pluralism (3)

G. Cultural Pluralism Requirement (0-3 units)

Within their General Studies selections or within other requirements, all students must take one course which addresses cultural pluralism (i.e. the impact of the integration of cultures).

ANT 312. Language and Culture (3)
ANT 320. Cultures in Urban Communities (3)
ANT 335. Comparative Cultures (3)
ANT 389. Transmission of Culture (3)
ART 310. Art and World Culture (3)
HIS 305. World History Since 1500 (3)
MAS 300. Introduction to Mexican American Studies (3)
MUS 301. Music in World Cultures (3)
MUS 401. Afro-American Music (3)
PHI 383. Comparative Religions (3)
POL 328. Cultural Pluralism in American Politics (3)

POL 330. Cultural Pluralism in Global Politics (3)
POL 343. Political Behavior in Latin America (3)
POL 349. Government and Politics in Sub-Saharan
Africa (3)
SBS 318. Cultural Pluralism (3)

SOC 322. Social Environment of Education (3)
SOC 331. Minority Racial and Ethnic Relations (3)
SOC 383. Black Communities: Class, Status and Power (3)
SPA 352. Hispanic Culture: A Pluralistic Perspective (3)



GEOGRAPHY

BACHELOR OF ARTS

MINOR

FACULTY

David R. Sigurdson, Department Chair

Gregory L. Smith, J. Robert Stinson,
Jamie L. Webb

Virginia Knauss, Department Secretary
NSM B-202, (213) 516-3376

PROGRAM DESCRIPTION

The Geography Program covers physical earth systems (land, atmosphere, hydrosphere, and biosphere) and human systems (economic, political and cultural), and the interactions among these in the terrestrial environment. As such, it is an integrative curriculum providing the opportunity to study basic relationships in real space.

The Geography Program explores the techniques, and the physical and human aspects of the field. Students develop analytic, systematic and synthetic capabilities to perform independent or directed research of particular geographic problems and situations. To accomplish this, students have available a wide variety of courses from geography and related fields.

FEATURES

The Geography Department has a map library containing both conventional maps and remote sensing imagery. It is equipped with a photographic darkroom and a variety of advanced instruments for data gathering and analysis. The faculty possesses special expertise in meteorology, climatology, micro-climates, geomorphic and seismic hazards, energy, transportation, and land use, demography, economic, political and historical geography. The small size and broad expertise of the faculty provides an unusual opportunity for undergraduate students to work closely with their professors. The involvement of faculty members in applied situations, both in community and advisory capacities and in professional consultation, provides an excellent opportunity for advanced students to get "hands on" paraprofessional experience.

ACADEMIC ADVISEMENT

Each student intending to pursue a major or minor program in geography should consult with a department advisor concerning academic or career goals before registering for their first geography course. The department chair will assist students in selecting an advisor, or a student may select an advisor from the full-time geography faculty. Students are strongly encouraged to meet with their academic advisor at least once each semester to seek help in selection of courses appropriate to the student's goals. Advisors also can provide help in finding and using other university services that may facilitate his/her studies.

PREPARATION

For high school students, the best preparation for the geography major is a well-rounded program of high school courses in humanities, social sciences, science, mathematics, and written and oral communication skills. This background should prepare students in both analytical and integrative skills.

Community College transfer students should have completed an introductory physical and a human/cultural geography course or a year-long integrated course in regional geography. Introductory courses in the physical, biological and social sciences are recommended.

CAREER POSSIBILITIES

The geography major is specifically designed to prepare students for a wide range of employment opportunities and graduate programs. Career opportunities exist in such applied areas as: meteorology, climatology and hydrology; remote sensing, cartography, environmental planning, energy management and distribution; urban and regional planning, economic location, and transportation—as well as teaching and academic research.

MAJOR REQUIREMENTS - BA (35 units)

Lower Division Requirements (7 units)

- GEO 100. Earth, The Human Home (3)
- EAR 100. Introduction to Earth Sciences (3)
- EAR 101. Earth Sciences Laboratory (1)

Upper Division Requirements (28 units)

Required Courses (13 units)

- GEO 310. Geomorphology (3)
- GEO 315. Meteorology (3)
- GEO 328. Transportation and Communication (3)
- GEO 305. Cartography (3) or
GEO 408. Aerial Photographs and Remote Sensing Data (3)
- EAR 490. Senior Seminar in Earth Sciences (1)

Elective Courses - Select five courses in any combination from the two groupings below (15 units). One of the courses GEO 305 or GEO 408 not used above could also be applied toward fulfilling this requirement.

Environmental Geography

- GEO 405. Advanced Cartography (3)
- GEO 412. Hydrology (3)
- GEO 416. Climatology (3)
- GEO 417. Micrometeorology (3)
- GEO 420. Natural Resources (3)
- GEO 433. Environmental Analysis (3)
- EAR 478. Engineering Geology (3)

Political/Economic/Regional Geography

- GEO 336. Land Use (3)
- GEO 346. Political Geography (3)
- GEO 359. Geography of California (3)
- GEO 360. North America (3)
- GEO 495. Special Topics in Geography (3)

MINOR REQUIREMENTS (19 units)

To meet this requirement, the student must complete the lower division courses listed below. Where appropriate, these courses may be used to meet the General Studies or major requirement.

Lower Division Requirements (7 units)

- GEO 100. Earth, the Human Home (3)
- EAR 100. Introduction to Earth Sciences (3)
- EAR 101. Earth Sciences Laboratory (1)

Upper Division Requirements (12 units)

Completion of any 12 units of upper division Geography courses meets the upper division requirement.

COURSE OFFERINGS IN GEOGRAPHY

Lower Division

GEO 100 EARTH, THE HUMAN HOME (3). Cultural, physical, and biological earth systems. Emphasizes human geography and adaptation to physical habitats. Three hours of lecture per week.

Upper Division

GEO 305 CARTOGRAPHY (3). Principles, techniques, design and production of maps and graphs for data presentation. One hour lecture of and six hours of lab per week.

GEO 310 GEOMORPHOLOGY (3). Study of landforms created by geologic, volcanic, weathering, fluvial, Karst coastal and other processes acting on the land surface and ocean floor. Three hours of lecture per week.

GEO 315 METEOROLOGY (3). Composition, structure, general circulation, and storms of all latitudes. Clouds, rain, visibility, winds, and other meteorological observations and micrometeorological observations. Three hours of lecture per week.

GEO 328 TRANSPORTATION AND COMMUNICATIONS (3). The routes, networks, and centers of transportation systems, energy transmission, and communication media. The relationship of these to social, political and economic systems and stage of development. Three hours of lecture per week.

GEO 336 LAND USE (3). Sequential, compatible, and conflicting land uses. Zoning and regulation, impacts of public and private uses. Social and economic benefits from alternative land use. Three hours of lecture per week.

GEO 346 POLITICAL GEOGRAPHY (3). The characteristics, patterns, and interactions of contemporary political processes and organizations over the world. Cohesion, unity, disunity, growth and historical persistence from the locality, through nations and transnational groupings to the world. Three hours of lecture per week.

GEO 359 GEOGRAPHY OF CALIFORNIA (3). The physical, cultural and regional geography of California. The land and its modifications. Spatial distribution of resources. Population, migration and urbanization. Problems and prospects. Three hours of lecture per week.

GEO 360 NORTH AMERICA (3). Physical, regional and cultural geography of the United States, Canada, Mexico, and Central American and Caribbean states. Emphasizes human-environment interaction; contemporary patterns of population distribution, resource exploitation, transportation, agricultural and industrial production. Historical diffusion and contemporary regional specialization. Three hours of lecture per week.

GEO 405 ADVANCED CARTOGRAPHY (3). *Prerequisite: GEO 305 or equivalent is recommended.* Planning and preparing maps, graphics, photographs, and models. One hour lecture and six hours of lab per week.

GEO 408 AERIAL PHOTOGRAPHS AND REMOTE SENSING DATA (3). Interpretation of physical and cultural features, resources, environmental factors from photographic and specific sensor imagery. One hour of lecture and four hours of activity per week.

GEO 412 HYDROLOGY (3). Detailed study of the hydrologic cycle: evaporation, condensation, precipitation, runoff, infiltration and groundwater. Three hours of lecture per week.

GEO 416 CLIMATOLOGY (3). *Prerequisite: GEO 315 is recommended.* Climate and climatic classification. Relationships of climate to meteorology, ecology, diet, housing, transportation, agriculture, industrialization and natural resources. Three hours of lecture per week.

GEO 417 MICROMETEOROLOGY (3). *Prerequisite: GEO 315.* Study of localized effects on both small and large scale weather patterns. Interrelationships with macrometeorology and climatology. Impacts on agriculture, industry, architecture, populations, ecology, energy systems and pollution transport. Three hours of lecture per week.

GEO 420 NATURAL RESOURCES (3). Atmospheric, hydrologic, ecologic and geologic principles; economic and environmental considerations in air, water, soil, food, timber, wildlife, non-metallic and metallic resources. Three hours of lecture per week.

GEO 421 RESOURCE CONSERVATION (3). Conservation problems, practices and policies on a worldwide, national, regional and local level. Conservation of both renewable, and nonrenewable resources, natural assemblages, and aesthetic values. Three hours of lecture per week.

GEO 422 FOSSIL ENERGY (3). Fossil fuels and energy production. Origin, extraction, use, and use impacts of coal, oil and nuclear resources. Substitutes such as oil shale, tar sands and other fossil fuel sources. Management alternatives to minimize impact. Three hours of lecture per week.

GEO 423 RENEWABLE ENERGY (3). The renewable energy path: hydropower, geothermal, tidal, wind and solar energy resources. principles, technology, use and impacts. Conservation of energy and the environment by the 'soft path' including recycling and conservation practices in architecture. Three hours of lecture per week.

GEO 433 ENVIRONMENTAL ANALYSIS AND PLANNING (3). Federal and State requirements, required inputs, presentation formats, procedures for review and acceptance of environmental reports. Methods of assessing air quality, noise, water pollution and traffic problems. Three hours of lecture per week.

GEO 494 INDEPENDENT STUDY (1-3). *Prerequisite: Consent of instructor.* Independent Study of particular geographic or environmental problem under the supervision of a member of the Geography staff.

GEO 495 SPECIAL TOPICS IN GEOGRAPHY (3)* Selected topics in Geography with course content to be determined by instructor. Three hours of lecture per week.

GEO 498 DIRECTED RESEARCH (1-3). *Prerequisite: Consent of instructor.* Directed research of a particular geographic or environmental problem under the direction of a member of the Geography staff.

GEOLOGY/EARTH SCIENCES

BACHELOR OF ARTS
Geology Option
Earth Science Option

MINOR
Earth Sciences

FACULTY

David R. Sigurdson, Department Chair

Francis D. McCarthy, Gregory L. Smith, J. Robert Stinson, Jamie L. Webb

Virginia Knauss, Department Secretary
 NSM B-202, (213) 516-3376

PROGRAM DESCRIPTION

Earth scientists and geologists are concerned with the mineral composition of the earth, particularly that which provides energy and materials for manufacturing and construction. Geologic hazards such as earthquakes, landslides, floods and volcanic eruptions also are studied. Recently, toxic wastes, migrating in ground water, have become a new challenge for earth scientists. An understanding of the processes taking place on our planet involves more than practical concerns of materials and hazards; the quality of our lives also depends on our knowledge of the earth for its interpretation, protection and enjoyment.

The Geology-Earth Sciences Program at CSU Dominguez Hills has three objectives: (1) thorough instruction in the fundamental physical sciences; (2) development of skills in observation, writing and oral communication; (3) rigorous training in the basic geological skills and subject matter.

There are two major options in the program: the Geology Option, which provides the basic courses for a professional in geology, and the Earth Science Option, which is intended for those seeking a broad exposure to natural sciences.

The Geology Option prepares students for professional careers such as geologists in government or industry, or provides the basis for continuation into more advanced work in graduate school as many professional positions require a master's degree. The program includes structural and stratigraphic interpretation, fossil identification, rock and mineral analysis, field mapping and geologic report writing.

The Earth Science Option includes courses in oceanography, weather and biology as well as geology and chemistry. It is designed for students who have a fascination with the natural world, but are not interested in taking the more advanced physics and mathematics courses required in many science curricula. It is essentially a liberal arts program based on the natural sciences.

The Geology minor is intended for science majors who wish to develop a strong geology component in their education. It includes many of the required core courses of the geology major. A chemistry, biology or physics major would be in a good position to pursue graduate studies in geochemistry, geophysics, or paleontology if they complete the geology minor.

The Earth Sciences Minor can provide the student with a variety of courses in physical geography, biology, oceanography and geology. Such a minor may form an interesting complement to many different majors. However, with the help of an advisor, the student may design a concentration in either earth science or marine science by selecting appropriate courses. Science majors



may find such a specialized minor to be an appropriate adjunct to their major area of study.

FEATURES

CSU Dominguez Hills is an ideal site for geological studies. To the south lies the rocky peninsula of Palos Verdes where coastal erosion and deposition, landsliding and subsidence can be studied first hand. To the north, the magnificent San Gabriel Mountains have been thrust up against the San Andreas Fault Zone. Field trips are conducted year round to nearby desert and mountain areas where excellent rock exposures facilitate geological investigations in volcanism, ore deposits and paleontology. The campus itself is located on a major Southern California oil field that has been trapped along the Newport-Inglewood Fault Zone.

The small student/teacher ratio in this new program assures intensive instruction and individual attention, which includes advising and counseling. Academic excellence is developed through intensive training in basic geological subjects, combined with a thorough grounding in the physical sciences.

ACADEMIC ADVISEMENT

Earth sciences majors should consult with their advisor prior to registration each semester. Records of the students progress toward the degree are maintained in the departmental office.

PREPARATION

High school students should take four years of mathematics, four years of English, one year of chemistry and one year of physics. One year of earth science and one year of biology are desirable.

Community College transfer students should check with their community college advisor to identify courses that fulfill lower division requirements in the major. These courses are listed in the articulation agreement with CSU Dominguez Hills. Students also may wish to contact the CSU Dominguez Hills Earth Sciences department office for assistance in selecting appropriate courses.

CAREER POSSIBILITIES

Employment opportunities for the Earth Science Option graduate are many and varied. Any position that requires a bachelor's degree and has applications to the natural sciences, such as land use, energy sources or outdoor recreation could be filled by the successful graduate. These might include positions such as museum curator, assistant to the city planner, military or park service officer or environmental technician. The program prepares students for teaching earth sciences in elementary or high school, but teacher candidates are required to pass the National Teachers Examination in physical science and should consult with their advisor in selecting the most appropriate optional courses to prepare for the N.T.E. Alternatively, they may complete the Single Subject Waiver program in Physical Sciences (see entry in the Science, Mathematics and Technology section of this catalog) and be waived from the N.T.E.

A large percentage of geologists are employed in the petroleum and mining industries. Other employers include: federal, state and local governments, and educational institutions. In Southern California, many geologists are employed in verifying the safety of construction sites. Increasingly, geologists are occupied in solving groundwater and pollution problems.

MAJOR REQUIREMENTS - BA

GEOLOGY OPTION (62-68 units)

Lower Division Requirements (30-36 units)

- EAR 100. Introduction to Earth Sciences (3)
- EAR 101. Earth Sciences Laboratory (1)
- EAR 200. Earth History and Evolution (3)
- EAR 201. Earth History Laboratory (1)
- CHE 110. General Chemistry I (5)

- CHE 112. General Chemistry II (5)
- PHY 120. Elements of Physics I (4) and
- PHY 122. Elements of Physics II (4) or
- PHY 130. General Physics I (5) and
- PHY 132. General Physics II (5)
- MAT 171. Survey of Calculus for Management & Life Science I (4) or
- MAT 191. Calculus I (4) and
- MAT 193. Calculus II (4)

Upper Division Requirements (32 units)

Required Courses (20 units)

- EAR 356. Mineralogy (4)
- EAR 358. Petrology (3)
- EAR 366. Stratigraphy (3)
- EAR 376. Field Methods of Mapping (3)
- EAR 386. Structural Geology (3)+
- EAR 490. Senior Seminar in Earth Sciences (1)

Select 6 units from the following list (6 units):

- EAR 478. Engineering Geology (3)
- EAR 495. Advanced Topics in Earth Sciences (3, 4)
- EAR 496. Internship in Earth Sciences (2, 3)+
- CHE 474. Geochemistry (3)

Field Geology Requirement

A minimum of six semester units of geologic field mapping and report preparation is required for the Bachelor's degree in Geology. This course, which is normally conducted from a camp in a primitive mountain or desert region, may be taken as a summer school or extension course at CSU Dominguez Hills or at another university. The student should take the course sometime after the junior year, during the intersemester or summer breaks and should consult with his or her advisor at least two semesters prior to taking the course.

EARTH SCIENCE OPTION (52-53 units)

Lower Division Requirements (26 units)

- EAR 100. Introduction to Earth Sciences (3)
- EAR 101. Earth Sciences Laboratory (1)
- EAR 200. Earth History and Evolution (3)
- EAR 201. Earth History Laboratory (1)
- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- PHY 120. Elements of Physics I (4) and
- PHY 122. Elements of Physics II (4) or
- BIO 210. Principles of General Biology I (4) and
- BIO 212. Principles of General Biology II (4)

Completion of the lower division Geology major requirements is also acceptable as fulfilling the lower division Earth Science option requirements.

Upper Division Requirements (26-27 units)

Required Courses (17 units)

- GEO 310. Geomorphology (3)
- GEO 315. Meteorology (3)
- EAR 356. Mineralogy (4)
- EAR 376. Field Methods of Mapping (3)
- EAR 386. Structural Geology (3)
- EAR 490. Senior Seminar in Earth Sciences (1)

Electives - Choose 3 courses from the following list (9-10 units):

- EAR 358. Petrology (3)
- EAR 366. Stratigraphy (3)
- EAR 370. Oceanography (3)
- EAR 464. Paleontology (3)
- EAR 478. Engineering Geology (3)
- EAR 495. Advanced Topics in Earth Sciences (3,4)+
- GEO 412. Hydrology (3)
- GEO 416. Climatology (3)
- GEO 417. Micrometeorology (3)

MINOR REQUIREMENTS

MINOR IN GEOLOGY (34-35 units)

Some of the lower division courses used in the minor may also be used to fulfill General Studies or major requirements. Students with Geography Options are permitted to complete the Geology or Earth and Marine Sciences Minors. Conversely, students with the Geology Major or Earth Sciences Option may choose the Geography Minor, but the same upper division courses cannot be applied to both the major and the minor.

Lower Division Requirements (18 units)

- EAR 100. Introduction to Earth Sciences (3)
- EAR 101. Earth Sciences Laboratory (1)
- EAR 200. Earth History and Evolution (3)
- EAR 201. Earth History Laboratory (1)
- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (3)

Upper Division Requirements (16-17 units)

- EAR 356. Mineralogy (4)
- EAR 358. Petrology (3)
- EAR 366. Stratigraphy (3)
- EAR 386. Structural Geology (3)

One course selected from the following:

- EAR 376. Field Methods of Mapping (3)
- EAR 464. Paleontology (3)
- EAR 495. Advanced Topics in Earth Sciences (3,4)
- CHE 474. Geochemistry (3)

MINOR IN EARTH SCIENCES (20 units)

The minor in Earth Sciences requires completion of 20 units. The lower division requirement includes courses which may be used to satisfy other University requirements such as General Studies or the major.

Lower Division Requirements (8 units)

- EAR 100. Introduction to Earth Sciences (3)
- EAR 101. Earth Sciences Laboratory (1)
- EAR 200. Earth History and Evolution (3)
- EAR 201. Earth History Laboratory (1)

Upper Division Requirements (12 units)

Any twelve units of upper division Earth Sciences (EAR) courses are sufficient to fulfill this requirement. Alternatively, the student may complete any six units of upper division Earth Sciences courses with six units selected from the Geography courses listed below:

- GEO 310. Geomorphology (3)
- GEO 315. Meteorology (3)
- GEO 412. Hydrology (3)
- GEO 416. Climatology (3)

COURSE OFFERINGS IN GEOLOGY AND EARTH SCIENCES

Lower Division

EAR 100 INTRODUCTION TO EARTH SCIENCES (3). *Prerequisite:* Concurrent enrollment in EAR 101 is recommended. Volcanoes, earthquakes, oceanic processes and continental drift. Rock and mineral identification is enhanced by concurrent enrollment in EAR 101. Meets certain general studies requirements (is fundamental to Earth Sciences majors/minors), and has wide-ranging applications in art, commerce, public policy, and science. Field Trip. Three hours of lecture per week.

+Consult course description for prerequisite(s).

*Repeatable course.

EAR 101 EARTH SCIENCES LABORATORY (1). *Prerequisite:* Concurrent enrollment in EAR 100 is recommended. Nature and origin of rocks and minerals through determination of physical properties of specimens. Topographic and geologic map analysis. Geological features from stereoscopic air photos. Recommended elective for students interested in the outdoors, archaeology, mineral deposits, land use, and natural hazards. Three hours of laboratory per week.

EAR 200 EARTH HISTORY AND EVOLUTION (3). *Prerequisites:* EAR 100, EAR 101, and concurrent enrollment in EAR 201 are recommended. Geological and biological history of the earth. Includes development of the geologic time scale, origin of the earth and life, the fossil record and evolution, and plate tectonics. Special emphasis on the geology of North America. Philosophical implications make this a valuable general elective for all students. Three hours of lecture per week.

EAR 201 EARTH HISTORY LABORATORY (1). *Prerequisites:* Concurrent enrollment in EAR 200 is recommended. Practical laboratory experience in fossil identification. Life history, form, function and evolution of animals and plants important in the fossil record. Interpretation of geologic maps and stratigraphic correlation of sedimentary rocks. Three hours of laboratory per week.

Upper Division

EAR 356 MINERALOGY (4). *Prerequisites:* EAR 100, EAR 101 and CHE 110 are required; CHE 112 is recommended. Systematic study of the most common rock-forming and ore minerals. Classification of crystals through determination of symmetry of crystal faces. Emphasis is on the identification of minerals by physical properties and qualitative chemical analysis. Two hours of lecture and six hours of laboratory per week.

EAR 358 PETROLOGY (3). *Prerequisite:* EAR 356. Origin, occurrence and classification of igneous and metamorphic rocks. Phase equilibria, binary and ternary diagrams, significance of outcrop features. Development of skills in describing and interpreting hand specimens. Field trips. Two hours of lecture and three hours of laboratory per week.

EAR 366 STRATIGRAPHY (3). *Prerequisites:* EAR 200 and EAR 201 are required; EAR 356 and EAR 358 are recommended. Interpretation of sedimentary environments through the study of bedding, grain size, fossils and sedimentary structures. Includes correlation and stratigraphic columns. Hand specimen and field analysis of sedimentary rocks. Has applications to geography, anthropology, biology, and oceanography. Two hours of lecture and three hours of laboratory per week.

EAR 370 OCEANOGRAPHY (3). *Prerequisite:* EAR 100 is recommended. Physical and chemical characteristics of seawater. Distribution of temperatures and salinity. Study of currents, tides, waves and the influence of the sea on weather and on life. Of interest to students as a general elective. Three hours of lecture per week.

EAR 376 FIELD METHODS OF MAPPING (3). Techniques of preparing base maps with transit, tape, plane table and alidade. Brunton compass traverse methods. Introduction to geologic mapping. Applications to real estate, anthropology, construction engineering, government agencies or industries using maps. One hour of lecture and six hours of laboratory per week.

EAR 386 STRUCTURAL GEOLOGY (3). *Prerequisites:* EAR 100 and EAR 101 are required; EAR 200, EAR 201 are recommended. Mechanics of rock deformation. Interpretation and classification of folds and faults. Graphical projections for location of subsurface features on geologic maps and cross sections. Use of stereonet. Plate tectonic implications. Two hours of lecture and three hours of laboratory per week.

EAR 464 PALEONTOLOGY (3). *Prerequisites: EAR 200 and 201.* Reviews the principles of paleontology, including biology (modes of life, growth, reproduction), morphology, phylogeny and classification, evolution, paleoecology, and biogeography. Lab: identification of fossils and application to stratigraphy. Emphasis is on invertebrate fossils. Two hours of lecture and three hours of laboratory per week.

EAR 478 ENGINEERING GEOLOGY (3). *Prerequisite: EAR 386.* Evaluation and abatement of geologic hazards affecting construction projects and land use. Landslides, groundwater pollution, subsidence, flooding, and earthquake effects. Mechanical properties of rocks and soils. Case histories and site investigations. Application to business, law, construction engineering and environmental studies. Two hours of lecture and three hours of laboratory per week.

EAR 490 SENIOR SEMINAR IN EARTH SCIENCES (1). *Prerequisite: Senior standing in Earth Sciences or consent of instructor.* Study and discussion of current research in Earth Sciences. Seminar topics of concentration include: Geological Dating Techniques, Evolution and the Fossil Record, and Geology of the Pleistocene and Man. Techniques of oral presentation, library research and preparation of audio-visual materials. One hour of seminar per week.

EAR 494 INDEPENDENT STUDY (1-3). ** Prerequisite: Consent of instructor.* Laboratory, library or field exercises to develop knowledge and skills in areas of special interest to the student. May include guided field trips when offered. CR/NC grading.

EAR 495 ADVANCED TOPICS IN EARTH SCIENCES (3, 4). ** Prerequisite: Senior standing in Earth Sciences or consent of instructor.* Systematic studies in such topics as optical mineralogy, petrography, ore deposits and geophysics. Utilizes specialties of visiting professors where possible. Oriented toward development of professional skills through practical laboratory or field experience. Two hours of lecture and three or six hours of laboratory per week.

EAR 496 INTERNSHIP IN EARTH SCIENCES (2, 3). ** Prerequisite: Consent of instructor.* Employment as an assistant or volunteer in an earth sciences-related firm or government agency. Course may run at time convenient to student and employers, including summer. Student should contact Department faculty three months prior to enrollment. CR/NC grading.

EAR 498 DIRECTED RESEARCH (1-3). ** Prerequisite: Senior standing is recommended.* Laboratory, library or field research investigations intended to produce new and original information in the Earth Sciences. Conducted independently but with the general guidance of appropriate faculty. CR/NC grading.



HEALTH SCIENCE

BACHELOR OF SCIENCE

Health Care Management Option
 Community Health Option
 Clinical Health (Drew) Option
 Clinical Health (USC) Option
 Orthotics and Prosthetics Option

MINOR

SINGLE SUBJECT WAIVER PROGRAM

FACULTY

Erna Wells, Department chair

Robert V. Giacocie, Fumiko Hosokawa, Chi-hua Wu Hsiung, Jack Liskin, Thomas Lunsford, Ira S. Schoenwald, Ruth K. Scott, Wendell Wharton

SHC A-141, (213) 516-3818

PROGRAM DESCRIPTION

Health Science offers a variety of programs including a major with five different options leading to the Bachelor of Science degree in Health Science, a minor and a single subject waiver program that partially fulfills the requirements for a single subject teaching credential in Health Science.

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. There are five options available to students pursuing the Bachelor of Science degree in Health Science.

The **Health Care Management** option is designed to provide presently trained allied health care workers with a general foundation in the principles and theories of administration and management, the needed administrative and management skills used by frontline or middle level supervisors in a health care unit, an understanding of the organizational structure of the health care system, the financing of the health care services in the United States, and knowledge of current health policies at local, state and federal levels.

Students majoring in this option also must complete requirements for a minor.

The **Community Health** option is designed to provide previously trained health care personnel with the necessary interpersonal skills and perspectives to function as effective community health workers in an urban population that is extremely diverse ethnically, economically and demographically.

A student in this option will acquire oral and written communication skills needed to develop health education materials, develop a basic understanding of public health problems and methods commonly used in studying these problems, and become knowledgeable about community health service agencies and health policies that are in effect at local, state and federal levels. Through this training, allied health care workers will be able to serve their patients more effectively.

Students majoring in this option also must complete the requirements for a minor.

The **Clinical Health** (Physician Assistant - Drew) option is designed to provide the benefits of a broader understanding of the health care system with specific clinical 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. The graduate of this program may be qualified to sit for the physician assistant certification examination from the National Commission of Physician Assistants.

This option is offered in cooperation with Charles Drew Postgraduate Medical School MEDEX Program.

Students who plan to be trained as a physician assistant through Charles Drew Post Graduate Medical School MEDEX Program should choose this option. A student must have completed the required prerequisite courses before qualifying for admission to this option. The application procedures and admission criteria for this option can be found under "Preparation." The option portion of the major consists of the clinical training required to become a physician assistant. The clinical training portion of the program, which is 24 months in length, begins in September and ends in August two years later. Upon the completion of the training, students are awarded a certificate for completion of the Physician Assistant Program and then are eligible to take the certifying examination of the National Commission for the Certification of Physician Assistants. A passing score is required before the State Board of Certification will issue a license to practice in California as a physician assistant.

This option is a single field major. This means that students are not required to complete a minor. Students may complete the option courses and be certified to practice as a physician assistant before completing the requirements for the major and any other requirements for the bachelor of science degree in Health Science.

The **Clinical Health** (Physician Assistant - USC) option is designed to provide the benefit of a broader understanding of the health care system with specific clinical education and experience, enabling the student to provide the direct patient service, in association with a physician. The graduate of this program may be qualified to sit for the physician assistant certification examination from the National Commission of Physician Assistants. This option is offered in cooperation with the University of Southern California Medical School Primary Care Physician Assistant Program.

Students who plan to be trained as a physician assistant through USC Primary Care Physician Assistant Program should choose this option. A student must have completed the required prerequisite courses before qualifying for admission to this option. The application procedures and admission criteria for this option can be found under "Preparation." The option portion of this major consists of the clinical training required to become a physician assistant.

The clinical training portion of the program, which is 18 months in length, begins in September and ends in June two years later with a three-month summer vacation in between. Upon the completion of the training, students are awarded a certificate for completion of the Physician Assistant Program and then are eligible to take the certifying examination of the National Commission for the Certification of Physician Assistants. A passing score is required before the State Board of Certification will issue a license to practice in California as a physician assistant.

This option is a single field major. This means that students are not required to complete a minor. Students may complete the option courses and be certified to practice as a physician assistant before completing the requirements for the major and any other requirements for the bachelor of science degree in Health Science.

The **Orthotics & Prosthetics** option trains students to evaluate patients who are in need of artificial limbs (prostheses) or mechanical body supports (orthoses); design an appropriate orthotic or prosthetic device; fabricate and fit the device; and provide follow-up care. This practitioner level program is offered in conjunction with Rancho Los Amigos Hospital, and is designed to produce professional level graduates who may be qualified to sit for National Boards in Orthotics & Prosthetics after a year of internship.

Students who plan to become orthotists and/or prosthetists should choose this option. A student must have completed all the required prerequisite courses except (HEA 210) Research Methods in Health Science before qualifying for admission to the option. The application procedures and admission criteria for this option can be found under "Preparation." The option portion of

this major consists of the clinical training required to become an orthotist or prosthetist.

The clinical training portion of the program, which is 24 months in length, begins in January and ends in December the next year. Completion of the Bachelors Degree in Health Science with the Orthotics and Prosthetics option satisfies the educational requirements necessary to sit for the certification examination given by the American Board for Certification in Orthotics and Prosthetics.

This option is a single field major. This means that students are not required to complete a minor.

FEATURES

The Health Science Program is specially designed for health care personnel. About half of our students are practicing registered nurses, radiologic technicians, respiratory therapists and many other allied health professionals. Most of these students choose either the Health Care Management or Community Health Options. Our other students choose one of the three clinically related options: the Clinical Health Option (Physician Assistant USC Program), the Clinical Health Option (Physician Assistant Drew Program) and the Orthotics and Prosthetics Option. Since nearly all our students work during the day, all health science courses are offered in the late afternoon and evening and most meet only once a week. To keep the health science program contemporary, many of the health science courses are taught by practicing professionals.

ACADEMIC ADVISEMENT

All students are urged to consult with faculty advisors throughout their matriculation at CSU Dominguez Hills. At the very least, faculty advisors should be consulted for the following:

- *Admission
- *Career plans and choices
- *Selection of options
- *Variation in programs and/or "course substitution"
- *Pre-registration advisement
- *Credit for prior learning
- *Filing for graduation

All academic advising for Health Science majors is the responsibility of the faculty advisors in the Health Science Program. Consult the appropriate academic department for advising in the chosen minor except public administration. Public administration minor advising may be done by health science faculty. For advising appointments, please call the Health Science Program at (213) 516-3818.

PREPARATION

Students interested in Health Care Management or Community Health should complete their allied health training preferably with an associate of science degree before coming to CSU Dominguez Hills. Those students who are interested in the clinically related options should have a strong science background in high school, direct patient care experience, and should have completed some of the lower division prerequisite courses for the option before entering the Health Science Program.

Credit for Prior Allied Health Training

If students have completed an allied health training program for which they did not receive any academic credit, they may be granted credit for that training. Please consult the Health Science Office for details. The credits obtained for prior allied health training may be applied as lower division elective credits toward the bachelor of science degree in health science only.

Supplementary Application Procedures and Admission Criteria

Admission to CSU Dominguez Hills and to the professional options, the Clinical Health (Physician Assistant - Drew), the Clinical Health (Physician Assistant - USC), and the Orthotics and Prosthetics Options, within the Health Science Program are separate procedures and, therefore, require separate applications.

Only a limited number of students can be accommodated in these options. Admission to these options is not automatically ensured by meeting academic requirements, nor does admission

to CSU Dominguez Hills as a health science major guarantee acceptance to these options.

1. Clinical Health (Physician Assistant - Drew) option:

Only 24 students can be accommodated in the Clinical Health (Physician Assistant - Drew) each year. Therefore, admission is not automatically ensured by meeting the University admission requirements, nor does admission to CSU Dominguez Hills as a health science major guarantee acceptance to the program. The application procedures and the admission criteria for this option are discussed below. To qualify as a candidate for admittance to this option, an applicant must meet the following minimum requirements:

- A. Completion of a minimum of 60 semester (90 quarter) units of transferable credit in general education and the courses listed in "C" below from an accredited college.
- B. A college grade point average of least a 2.0 (4.0=A).
- C. Satisfactory completion of specified courses, including anatomy with lab, physiology with lab, microbiology with lab, general chemistry, freshman english, sociology or cultural anthropology, general psychology, college algebra, and a course in logic (thinking & logical reasoning).

If you have already taken or plan to take some of these courses at CSU Dominguez Hills or a junior college, please refer to pp. 29-31 of the Health Science Handbook for appropriate equivalent courses at several of the neighboring junior colleges.

If the junior college you chose to attend is not listed, contact a Health Science advisor for more information.

- D. Satisfactory references that address your work experiences, academic training and personal qualities.
- E. Completion of an application and submission of all college transcripts.
- F. Willingness to appear for personal interviews.
- G. Completion of (HEA 316) Medical Science and (HEA 315) Interpersonal Skills in Communication offered at CSU Dominguez Hills, with a grade of "C" or better.

Students selected for the fall class may complete these courses at anytime prior to entry into the selected class.

Other factors to be taken into consideration during the selection process will include, but are not limited to:

- A. The potential of the candidate to complete the program successfully and to function successfully as a physician assistant.
- B. The amount and quality of the candidate's health care experience.
- C. The candidate's potential to relate to underserved Black, Latin, or Native American communities of applicant's ethnic origin.
- D. The candidate's record of academic performance.
- E. Residence in California or intent to reside in California.

The application packets can be obtained from:

Office of the Registrar
Charles R. Drew Postgraduate Medical School —
MEDEX
1621 East 120th Street
Los Angeles, CA 90059
(213) 563-5879

The completed application form must be received by the Office of the Registrar at Charles Drew Postgraduate Medical School on or before December 1. References, official transcripts, test results and other supporting

documentation must be received by the Office of the Registrar at Drew on or before January 1.

A \$20 non-refundable application fee is charged to cover the cost of processing applications.

2. Clinical Health (Physician Assistant - USC) option:

Only 32 students can be accommodated in the Clinical Health (Physician Assistant - USC) option. Therefore, admission is not automatically ensured by meeting the University admission requirements, nor does admission to CSU Dominguez Hills as a health science major guarantee acceptance to the program. Application procedures and admission criteria for this option are discussed below.

To qualify as a candidate for admission to this option, an applicant must meet the following minimum requirements:

A. ACADEMIC

Completion of a minimum of 60 semester units (90 quarter units) including ITEMS 1 THROUGH 4:

1. **Biological Sciences:** human anatomy, human physiology, and microbiology, are required. Each course must include both lecture and lab. Courses other than human anatomy and human physiology cannot be substituted.

Additional coursework in the biological sciences is recommended (e.g. biology, cell physiology, bacteriology).

2. **Physical Sciences:** A minimum of one course in college chemistry with lab is required.

3. **Social Sciences:** A minimum of two courses is required:

- a. general psychology
- b. sociology or cultural anthropology

Additionally, knowledge of Spanish is desirable.

4. **General Education:** General Education courses required for the A.A. or A.S. degree must be completed. An Associate of Art, Associate of Science or higher degree is preferred.

If you have already taken or plan to take some of these courses at a junior college, please refer to pp. 29-31 of the Health Science Handbook for appropriate equivalent courses at several of the neighboring junior colleges. If the junior college you chose to attend is not listed, contact a health science advisor for more information.

A grade of "C" or better is required in all prerequisite biological, physical, and social science courses.

In case of a questionable course title, an official course description should be submitted by the applicant. All coursework must be verified by official college transcripts.

It is preferable that no more than two prerequisite courses remain to be taken in the biological, physical and social sciences following the application deadline. Human anatomy and human physiology are considered by this program to be two prerequisite courses, although they may be offered jointly in a single course.

It is recommended that coursework in human anatomy, human physiology, and microbiology be taken not more than three years prior to application.

B. CLINICAL

Prior patient care experience in a health care field is mandatory, e.g. EMT, LVN, medical technologist, military medical corpsman, paramedic, physical therapist, psychiatric technician, radiologic technician, respiratory therapist, RN, or other health related fields.

C. SCREEN EXAMINATIONS

A screening examination is a required part of the admission process. The examination will include questions on human

anatomy, human physiology, microbiology and also will assess reading comprehension and vocabulary. A written psychological assessment also will be given. Screening examinations are given following the application deadline and all applicants will be notified in writing of the screening examination date.

D. INTERVIEW

Applicants may be required to appear for one or more interviews. Applicants will be notified in writing of interview dates following the application period closure date of December 1.

E. SELECTION CRITERIA

Selection for the Physician Assistant class will be made on the basis of the overall strength of the applicant; i.e., a combination of academic background, type and length of clinical experience, screening examination results, and personal and professional characteristics.

F. DEADLINE

Application must be postmarked no later than December 1 for the class beginning in September of the following year.

APPLICATION REQUIREMENTS

Items A through I are REQUIRED for an application to be complete. Only applicants with **completed** applications will be considered by the Admission Committee for interviews.

- A. One-page, typed essay describing your capabilities and your reasons for wanting to become a physician assistant.
- B. Typed resume (separate from typed essay) with full descriptions of past and current patient care and other relevant experiences (including location, job title, responsibilities, dates, estimated number of hours per week).
- C. Typed list of completed **PA program entry prerequisite courses** (showing institution attended, semester and year completed, grade and college units granted); relevant courses in progress (showing institution attended and expected date of completion).
- D. Official transcripts from all colleges attended must be sent directly from each college. Only official transcripts from this country will be accepted. Foreign transcripts must be ratified by an official educational authority in this country.
- E. Proof of successful completion of relevant civilian medical training, e.g., copies of diplomas, certificates and current licenses.
- F. Proof of successful completion of military medical training, if applicable, including diplomas and copies of Form DD-214.
- G. At least two names and addresses of references who are familiar with your **recent clinical performance**, and your signed permission for the program to contact them.
- H. A \$35 non-refundable application processing fee must be submitted with the application. A check or money order will be accepted payable to: USC PA Program.
- I. Any prerequisite coursework in progress at the time of application or taken in the semester or quarters following the application deadline, must be completed, and official transcripts must be submitted prior to admission into the program. Official work-in-progress statements must be submitted if applicable.

An application packet or further information may be obtained from:

Physician Assistant Program
USC School of Medicine
Keith Administration Building Rm B-10
2025 Zonal Avenue
Los Angeles, CA 90033
(213) 224-7101

3. Orthotics and Prosthetics option:

Due to the limited laboratory space only 10 students can be accommodated in the Orthotics & Prosthetics option. Admission to the option is, therefore, not automatically ensured by meeting the University admission requirements, nor does admission to CSU Dominguez Hills as a health science major guarantee acceptance to the program. The admission criteria and application procedures for the option are discussed below.

To be eligible for consideration as a candidate in this option, an applicant must meet the following minimum requirements:

- A. Completion of all lower division required courses with a grade of "C" or better (as listed in the program description section) and the completion of two years lower division coursework.
- B. Facility with hand tools and light duty power equipment.
- C. Successful completion of a mechanical aptitude test, which is usually given at the interview.
- D. Interview at CSU Dominguez Hills/Rancho Los Amigo Medical Center by a panel consisting of orthotics & prosthetics faculty, other Health Science faculty and clinicians.

Application packets can be obtained by writing or calling:

Rancho Los Amigos Medical Center
Orthotics Department
Orthotics and Prosthetics BS Program
7450 Leeds Street
Downey, CA 90242
(213) 922-7655

or

California State University, Dominguez Hills
Health Science Program
Orthotics and Prosthetics Program Coordinator
Carson, CA 90747
(213) 516-3818

The completed application should be sent to:

Office of the Registrar
California State University, Dominguez Hills
1000 East Victoria Street
Carson, CA 90747

on or before September 30.

Letters of recommendation, official transcripts, test results and other supporting documentation must be received by the Office of the Registrar at California State University, Dominguez Hills on or before October 31.

During the month of November, applicants will first be screened to determine their eligibility. Selected candidates will then be invited for an interview at CSU Dominguez Hills/Rancho Los Amigos Medical Center. All candidates will receive a status report on their application by mid-December.

Please note: Deadlines are subject to change without notification. Check with the Health Science Office for the deadlines of the current application cycle.

MAJOR REQUIREMENTS - BS

A major in Health Science consists of three components: lower division required courses, upper division core courses and lower and upper division courses in an option. The upper division core courses are common to all Health Science majors. The lower division required courses and the lower and upper division option courses vary with the option chosen. Students are required to complete the appropriate lower division course requirements before taking any courses in their chosen option. Required components are listed below for each option in the Health Science major.

Common Core Requirements (22 units)

Lower Division Requirements (7 units)

- HEA 210. Research Methods in Health Science (3)
- BIO 250. Elements of Human Anatomy and Physiology (3)
- BIO 251. Elements of Human Anatomy and Physiology Laboratory (1)

Upper Division Requirements (15 units)

Required Courses (3 units):

- HEA 310. Health Care Delivery Systems (3)

Choose four from the following (12 units):

- HEA 312. Introduction to Public Health (3)
- HEA 314. Health Behavior (3)
- HEA 315. Interpersonal Skills in Health Communication (3)
- HEA 316. Medical Science (3) or
- HEA 317. Medical Science for Orthotics and Prosthetics (3) (Orthotics & Prosthetics option only)
- HEA 318. Health Resources Management (3)

CLINICAL HEALTH (DREW) OPTION (70 units)

Single Field Major - no minor required

A. Completion of Core Requirements (22 units)

B. Upper Division Requirements (48 units)

- HEA 331. Adult Health (12)
- HEA 332. Maternal-Child Health, Emergency Medicine and Psychiatry (12)
- HEA 431. Clinical Clerkship I (6)
- HEA 432. Clinical Clerkship II (6)
- HEA 433. Clinical Clerkship III (6)
- HEA 434. Clinical Health Preceptorship (6)

CLINICAL HEALTH (USC) OPTION (70 units)

Single Field major - no minor required

A. Completion of Core Requirements (22 units)

B. Upper Division Requirements (48 units)

- HEA 321. Patient Assessment (3)
- HEA 322. Principles of Therapeutics (3)
- HEA 323. Primary Care (3)
- HEA 324. Internal Medicine (4)
- HEA 325. Surgery and Orthopedics (3)
- HEA 326. Medical Specialties (3)
- HEA 327. History and Physical Examination Practica (3)
- HEA 420. Primary Care Medicine: Current Concepts and Practice (2)
- HEA 421. Advanced Clinical Primary Care I (4)
- HEA 422. Advanced Clinical Primary Care II (8)
- HEA 423. Advanced Clinical Primary Care III (4)

- HEA 424. Family Medicine Preceptorship and Clinical Selective (8)

A student selecting the Health Care Management or Community Health option also must satisfy the requirement of a minor field. The minor should be selected in consultation with an advisor with the goal of contributing to one's career objectives and personal growth. The recommended minors for the Health Science major are: biology, business administration, economics, psychology, public administration, sociology.

COMMUNITY HEALTH OPTION (40 units)

A. Completion of Core Requirements (22 units)

B. Upper Division Requirements (18 units)

Required Courses (6 units):

- HEA 460. Community Health Agencies (3)
- HEA 490. Health Science Senior Seminar (3)+

Choose four of the following (12 units):

- HEA 462. Community Health Communication (3)
- HEA 466. Environmental Health Problems (3)
- BIO 374. Drug Abuse (3)
- BIO 386. Human Aging (3)
- PSY 353. The Experience of Death and Dying: Psychological Perspectives (3)
- SOC 387. Introduction to Social Epidemiology (3)
- PUB 373. Health Policy (3)

HEALTH CARE MANAGEMENT OPTION (40 units)

A. Completion of Core Requirements (22 units)

B. Upper Division Requirements (18 units)

Required Courses (9 units):

- HEA 472. Survey of Health Care Finance (3)
- HEA 490. Health Science Senior Seminar (3)+
- PUB 371. Health Services Administration and Public Policy Development (3)

Choose three of the following (9 units):

- HEA 470. Legal Issues in the Health Science (3)
- PUB 301. Administrative Leadership and Behavior (3)
- PUB 303. Public Personnel Administration (3)
- PUB 372. Health Services Financial Management and Marketing Administration (3)
- PUB 373. Health Policy (3)

ORTHOTICS AND PROSTHETICS OPTION (79-81 units)

Single Field Major - no minor required

A. Completion of Core Requirements (22 units)

B. Lower Division Requirements (9-11 units)

- MAT 151. Pre-Calculus Mathematics (3)
- PHY 106. Physical Science I (3) and
- PHY 108. Physical Science II (3) or
- PHY 120. Elements of Physics I (4) and
- PHY 122. Elements of Physics II (4)

C. Upper Division Requirements (48 units)

- HEA 240. Neuromusculoskeletal Pathomechanics I (Lower Limb) (3)
- HEA 242. Neuromusculoskeletal Pathomechanics II (Upper Limb and Spine) (3)
- HEA 250. Normal and Pathological Gait (2)
- HEA 252. Strength, Materials, and Fastening Technology (2)
- HEA 340. Lower Limb Orthotics I (3)
- HEA 342. Lower Limb Orthotics II (3)
- HEA 344. Spinal Orthotics (3)
- HEA 350. Below Knee Prosthetics I (3)

+Consult course description for prerequisite(s).

- HEA 352. Below Knee Prosthetics II (2)
- HEA 354. Above Knee Prosthetics I (3)
- HEA 440. Upper Limb Orthotics (3)
- HEA 442. Lower Limb Orthotics III (3)
- HEA 450. Upper Limb Prosthetics (3)
- HEA 452. Above Knee Prosthetics II (2)
- HEA 454. Hip and Symes Prosthetics (3)
- HEA 491. Research and Seminar in Orthotics and Prosthetics I (1)
- HEA 492. Research and Seminar in Orthotics and Prosthetics II (1)
- HEA 493. Preceptorship in Orthotics and Prosthetics (5)

MINOR REQUIREMENTS (24 units)

The minor in Health Science is designed for students majoring in another field that can be strengthened with a solid background in Health Science.

Lower Division Requirements (6 units)

- BIO 250. Elements of Human Anatomy and Physiology (3)
- HEA 210. Research Methods in Health Science (3)

Upper Division Requirements (18 units)

Four courses (12 units) are to be taken from the following:

- HEA 310. Health Care Delivery Systems (3)
- HEA 312. Introduction to Public Health (3)
- HEA 314. Health Behavior (3)
- HEA 315. Interpersonal Skills in Health Communication (3)
- HEA 316. Medical Science (3)+
- HEA 318. Health Resources Management (3)+

One course (3 units) is to be taken from the following:

- HEA 472. Survey of Health Care Finance (3)+
- PUB 371. Health Services Administration and Public Policy Development (3)
- HEA 470. Legal Issues in the Health Sciences (3)+
- PUB 303. Public Personnel Administration (3)
- PUB 372. Health Services Financial Management and Marketing Administration (3)
- PUB 373. Health Policy (3)

One course (3 units) is to be taken from the following:

- HEA 460. Community Health Agencies (3)+
- HEA 462. Community Health Communication (3)+
- HEA 464. Epidemiologic Methods for Health Science (3)+
- HEA 466. Environmental Health Problems (3)+
- BIO 374. Drug Abuse (3)
- BIO 386. Human Aging (3)
- PSY 353. The Experience of Death and Dying: Psychological Perspectives (3)

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR SINGLE SUBJECT WAIVER PROGRAM IN HEALTH SCIENCE (64-64 units)

The Single Subject Waiver Program is designed to meet the health science scope and content requirements for Teacher Preparation and Licensing. The Program's curriculum covers the commonly taught subject areas of personal health, family health, community health, drug use and abuse, and accident prevention and safety.

Lower Division Requirements (25-27 units)

- BIO 102. General Biology (3)
- BIO 250. Elements of Human Anatomy and Physiology (3)
- BIO 251. Elements of Human Anatomy and Physiology Laboratory (1)
- CHE 102. Chemistry for the Citizen (3) or
- CHE 108. Introduction to College Chemistry (5)
- HEA 100. Health and Lifestyles (3)
- HEA 210. Research Methods in Health Science (3)
- MAT 131. Elementary Statistics and Probability (3)
- PED 218. First Aid and Cardiopulmonary Resuscitation (CPR) (3)
- PSY 101. General Studies Psychology: Understanding Human Behavior (3)

Upper Division Requirements (39 units)

- BIO 374. Drug Abuse (3)
- BIO 380. Biology of Childhood and Adolescence (3)
- BIO 324. Microbiology (3)+
- HEA 302. Health Education Curriculum Development (3)
- HEA 312. Introduction to Public Health (3)
- HEA 314. Health Behavior (3)
- HEA 315. Interpersonal Skills in Health Communication (3)
- HEA 460. Community Health Agencies (3)+
- HEA 466. Environmental Health Problem (3)+
- HEA 494. Independent Studies in Health Sciences (3)+
- HEA 495. Special Topics in Health Sciences (3)+
- PSY 350. Developmental Psychology (3) or
- PSY 351. Psychology of Adolescent Experience (3)
- PSY 368. Human Sexuality (3)

COURSE OFFERINGS IN HEALTH SCIENCE

Lower Division

HEA 100 HEALTH AND LIFESTYLES (3). To familiarize the student with relationship among the physical, social and psychological aspects of health, which includes: self-care, prevention and analysis of personal health problems through participation in self-assessment techniques. Topics include the relationship of lifestyles to nutrition, stress, physical fitness, death and dying, and mental illness. Three hours of lecture per week.

HEA 210 RESEARCH METHODS IN HEALTH SCIENCE (3). Analysis of research methods in health science, fundamental statistical techniques, relevant data sources and writing a formal research report, including: research design, data collection and data analysis. Students will gain an understanding of the relevance of data to decision-making. Three hours of lecture per week.

HEA 240 NEUROMUSCULOSKELETAL PATHOMECHANICS I (LOWER LIMB) (3). *Prerequisite: Consent of instructor; admission to Orthotics/Prosthetics Option.* Neuromusculoskeletal systems of the lower limb (above- and below-knee), for both normal function and in the presence of pathology. Kinesiology of specific weaknesses and deformities will be studied. Potential for orthotic and prosthetic management will be evaluated.

HEA 242 NEUROMUSCULOSKELETAL PATHOMECHANICS II (UPPER LIMB AND SPINE). (3). *Prerequisite: HEA 240.* Neuromusculoskeletal systems of the spine and upper limb: both normal function and pathology. Specific weaknesses and deformities will be studied. Significance of upper limb pathology for orthotic/prosthetic design and management.

HEA 250 NORMAL AND PATHOLOGICAL GAIT (2). *Prerequisite: HEA 240.* Learn to recognize gait and postural deviations, determine cause and suggest mechanical remedies. Students will evaluate patients and videotapes, review EMG and force plate recordings, compare results of surgery, therapy, and mechanical aids.

HEA 252 STRENGTH, MATERIALS AND FASTENING TECHNOLOGY (2). *Prerequisite:* Consent of instructor. Principles of stress, strain, Young's Modulus. Plastic/metal choices. Preferred metal alloys, heat treatment, plastic polymer. Polymer chemistry and mechanical properties of plastics. Material designators, relationship of alloys to material properties. Selection of most appropriate orthotic/prosthetic materials.

Upper Division

HEA 300 HEALTH IN PUBLIC EDUCATION (3). *Prerequisite:* HEA 100 or equivalent is recommended. Topics for teaching health courses in the public schools: substance use and abuse, nutrition, mental-emotional disorders, accident prevention, emergency health service and disease, and personal, family, community, environmental and consumer health.

HEA 302 HEALTH EDUCATION CURRICULUM DEVELOPMENT (3). Analysis of curriculum theory and its application in the development of health education programs. Will provide experience in development of units of instruction and criteria for evaluating published curriculum materials. Three hours of lecture per week.

HEA 310 HEALTH CARE DELIVERY SYSTEMS (3). An examination of the organizational structures, methods and finance of health service delivery, and trends in health care resources. Three hours of lecture per week.

HEA 312 INTRODUCTION TO PUBLIC HEALTH (3). *Prerequisite:* HEA 210. Nature, transmission, and control of disease from a public health perspective: Historical background, current problems, trends in prevention and control, and applications to health care planning. Three hours of lecture per week.

HEA 314 HEALTH BEHAVIOR (3). Current concepts of the behavioral sciences in the health field with specific application to ethnically and culturally diverse urban communities. Three hours of lecture per week.

HEA 315 INTERPERSONAL SKILLS IN HEALTH COMMUNICATION (3). Fundamentals, principles, and skills of interpersonal and group processes in health related occupations. Special emphasis on theory and techniques of interviewing, small group dynamics, crisis intervention and interpersonal management skills in ethnically and culturally diverse urban settings. Three hours of lecture per week.

HEA 316 MEDICAL SCIENCE (3). *Prerequisites:* BIO 250 and BIO 25. Causes of disease and the underlying mechanisms of pathologic processes. Specific discussions of immune disorders, infections, cancer, and diseases of blood and lymph, cardiovascular, respiratory, gastrointestinal, hepatobiliary, genitourinary, endocrine, and neurologic systems. Three hours of lecture per week.

HEA 317 MEDICAL SCIENCE FOR ORTHOTICS AND PROSTHETICS (3). *Prerequisites:* HEA 240, HEA 242 or concurrent enrollment. A study of the etiology, clinical signs and symptoms, treatments, prognosis, and social implications of pathological conditions that affect the neurological, musculoskeletal, and vascular systems and that require orthotic/prosthetic intervention: low back pain, scoliosis, spinal injury, arthritis, stroke, trauma, and diabetes. Three hours of lecture per week.

HEA 318 HEALTH RESOURCES MANAGEMENT (3). *Prerequisite:* HEA 310. Concepts, issues, and skills in administration and management of a health care unit, including personnel, finances, equipment, supplies, and facilities. Three hours of lecture per week.

HEA 321 PATIENT ASSESSMENT (3). *Prerequisite:* Admission into the Clinical Health Option (USC). This course encompasses the skills and techniques necessary to gather a complete, appropriate history and physical examination. Interviewing, communication and charting are included. An overview of laboratory tests and radiologic procedures are also included.

HEA 322 PRINCIPLES OF THERAPEUTICS (3). *Prerequisite:* Admission into the Clinical Health Option (USC). This course offers an overview of pharmacologic principles and an introduction to drugs and drug therapy. Principles of nutrition, nutritional history and assessment are also taught as integral in diagnosis, treatment, and preventive medicine.

HEA 323 PRIMARY CARE (3). *Prerequisite:* Admission into the Clinical Health Option (USC). This course forms the core of the primary care areas that includes obstetrics, gynecology, pediatrics, geriatrics, family medicine, health promotion and disease prevention.

HEA 324 INTERNAL MEDICINE (4). *Prerequisite:* Admission into the Clinical Health Option (USC). This course deals with adult, internal medicine which includes pulmonary medicine, cardiology, hepatobiliary medicine, genitourinary medicine, gastrointestinal medicine, rheumatology, hematology, oncology, endocrinology, sexually-transmitted disease, and dermatology.

HEA 325 SURGERY AND ORTHOPEDICS (3). *Prerequisite:* Admission into the Clinical Health Option (USC). This course outlines principles of surgery to prepare students for in-patient clinical experience and offers an introduction to orthopedics.

HEA 326 MEDICAL SPECIALTIES (3). *Prerequisite:* Admission into the Clinical Health Option (USC). This course includes ophthalmology, ear-nose-throat, psychiatry, neurology, and emergency medicine and emphasizes diagnosis, assessment, initial management and stabilization of the patient.

HEA 327 HISTORY AND PHYSICAL EXAMINATION PRACTICE (3). *Prerequisite:* Admission into the Clinical Health Option (USC). This is the clinical practice component of patient assessment. Students will combine HEA 321 with the supervised practice sessions to lay the foundation for clinical experiences.

HEA 331 ADULT HEALTH (12). *Prerequisite:* Admission into the Clinical Health Option (DREW). When this module is completed, the student will be able to participate in the general medical care of adults under the supervision of a physician. The student will be able to acquire and record relevant information, identify deviations from the normal, and perform selected diagnostic and treatment procedures.

HEA 332 MATERNAL-CHILD HEALTH, EMERGENCY MEDICINE, AND PSYCHIATRY (12). *Prerequisite:* Admission into the Clinical Health Option (DREW). When this module is completed, the student will be able to participate in the care of pregnant women, children, individuals with mental disorders, and patients with surgical and emergency conditions. The module is designed to provide students with fundamental skills for clinical evaluation and treatment of these selected patients in the primary care setting.

HEA 340 LOWER LIMB ORTHOTICS I (3). *Prerequisite:* Consent of instructor; admission to Orthotics/Prosthetics option. Patient evaluation, prescription recommendation, orthoses measurement, fabrication and fitting. Lower limb biomechanics, gait analysis, and motor disability. Fabrication and fitting of several orthoses including arch support, UCBL foot orthoses, and ankle-foot orthoses (metal, plastic and patellar-tendon bearing).

HEA 342 LOWER LIMB ORTHOTICS II (3). *Prerequisite:* HEA 340. Continuation of HEA 340. Patient evaluation, prescription recommendations, orthoses measurement, fabrication and fitting. Lower limb biomechanics, gait analysis, and motor disability. Fabrication and fitting of several knee-ankle-foot orthoses.

HEA 344 SPINAL ORTHOTICS (3). *Prerequisite:* Consent of instructor; admission to Orthotics/Prosthetics option. Patient evaluation, prescription recommendation, orthosis measurement, fabrication and fitting. Spinal biomechanics and motor disability. Fitting of several orthoses, including lumbo-sacral, thoraco-lumbo-sacral, and cervical types. Fabrication of at least five orthoses.

HEA 350 BELOW KNEE PROSTHETICS I (3). *Prerequisite:* HEA 250. Fabrication, fitting, and dynamic alignment of patellar-tendon bearing prostheses. All fittings include test sockets, bench, static and dynamic alignments. Four sockets completed using PTB and PTS designs. Medical management, prescription considerations. One completed below-knee prosthesis.

HEA 352 BELOW-KNEE PROSTHETICS II (2). *Prerequisite:* HEA 350. Fabrication, fitting, and dynamic alignment of patellar-tendon bearing prostheses. All fittings include test sockets, bench, static and dynamic alignments. Four sockets completed using PTB and PTS designs. Medical management, prescription considerations. One completed below-knee prosthesis.

HEA 354 ABOVE KNEE PROSTHETICS I (3). *Prerequisite:* HEA 352. Casting, measurement, transparent test socket fitting, bench, static and dynamic alignments, and methods for evaluation of proper fit. Fitting of two quadrilateral sockets including suction and pelvic suspension. Demonstration of endoskeletal and exoskeletal above knee systems.

HEA 420 PRIMARY CARE MEDICINE: CURRENT CONCEPTS AND PRACTICE (2). *Prerequisites:* Admission into the Clinical Health Option (USC); HEA 321, HEA 322, HEA 323, HEA 324, HEA 325, HEA 326 and HEA 327. This course is a presentation of selected cases encountered in primary care with emphasis on current thinking on evaluation and management for re-entry into the clinic. Integration of skills in: history-taking, physical examination, laboratory techniques, pharmacology, prevention and patient education is the primary goal for the course.

HEA 421 ADVANCED CLINICAL PRIMARY CARE I (4). *Prerequisites:* Admission into the Clinical Health Option (USC); HEA 321, HEA 322, HEA 323, HEA 324, HEA 325, HEA 326 and HEA 327. Integration of didactic materials with practical patient care skills learned in clinical clerkship rotations 1 through 3, under clinical supervisors and augmented with reading assignments and small group study.

HEA 422 ADVANCED CLINICAL PRIMARY CARE II (8). *Prerequisites:* Admission into the Clinical Health Option (USC); HEA 321, HEA 322, HEA 323, HEA 324, HEA 325, HEA 326 and HEA 327. Integration of didactic materials with practical patient care skills learned in clinical clerkship rotations 4 through 6, under clinical supervisors and augmented with reading assignments and small group study.

HEA 423 ADVANCED CLINICAL PRIMARY CARE III (4). *Prerequisites:* Admission into the Clinical Health Option (USC); HEA 321, HEA 322, HEA 323, HEA 324, HEA 325, HEA 326 and HEA 327. Integration of didactic materials with practical patient care skills learned in clinical clerkship rotations 7 through 8, under clinical supervisors and augmented with reading assignments and small group study.

HEA 424 FAMILY MEDICINE PRECEPTORSHIP AND CLINICAL SELECTIVE (8). *Prerequisites:* Admission into the Clinical Health Option (USC); HEA 420, HEA 421, HEA 422 and HEA 423. This course is composed of a two-week intensive study of an elected subject area and an extended three-month family medicine clerkship. Primary care curriculum is integrated in this course.

HEA 431 CLINICAL CLERKSHIP I (6). *Prerequisites:* HEA 331 and HEA 332. This module provides students with experiences for clinical application of skills and procedures acquired in HEA 331 and 332. Students are assigned to health care teams in selected primary care clinical sites under the supervision of a physician. Service rotations include internal medicine, family medicine, pediatrics, obstetrics and gynecology, psychiatry, emergency medicine, dermatology and otolaryngology. Three of the rotations are to be completed in this module and the others in HEA 432 and 433.

HEA 432 CLINICAL CLERKSHIP II (6). *Prerequisite:* HEA 431. This module provides students with experiences for clinical application of skills and procedures acquired in HEA 331 and 332. Students are assigned to health care teams in selected primary care clinical sites under the supervision of a physician. Service rotations include internal medicine, family medicine, pediatrics, obstetrics and gynecology, psychiatry, emergency medicine, dermatology and otolaryngology. Three of the rotations are to be completed in this module and the others in HEA 431 and 433.

HEA 433 CLINICAL CLERKSHIP III (6). *Prerequisite:* HEA 432. This module provides students with experiences for clinical application of skills and procedures acquired in HEA 331 and 332. Students are assigned to health care teams in selected primary care clinical sites under the supervision of a physician. Service rotations include internal medicine, family medicine, pediatrics, obstetrics and gynecology, psychiatry, emergency medicine, dermatology and otolaryngology. Three of the rotations are to be completed in this module and the others in HEA 431 and 432.

HEA 434 CLINICAL HEALTH PRECEPTORSHIP (6). *Prerequisite:* HEA 433. The goal of preceptorship is to enable students to function effectively and efficiently in the primary care practice of an office-based physician, i.e., the preceptor. The preceptorship enhances and refines previously acquired clinical skills and professionalism.

HEA 440 UPPER LIMB ORTHOTICS (3). *Prerequisite:* HEA 242. Evaluation, prescription recommendations, orthoses measurement, fabrication and fitting. Anatomy, biomechanics, and motor disability of upper limb orthotics. Special attention to deformity control, tissue protection, restored function. Fabrication and fitting of basic static hand and wrist-hand orthoses (including wrist-driven and external-power).

HEA 442 LOWER LIMB ORTHOTICS III (3). *Prerequisite:* HEA 342. Continuation of HEA 342. Advanced concepts. Fabricated orthoses will include knee-ankle-foot orthoses (metal, plastic, and ischial weight-bearing), and hip-knee-ankle-foot orthoses.

HEA 450 UPPER LIMB PROSTHETICS (3). *Prerequisite:* HEA 354. Prescription, casting, measurement, fabrication, alignment, harnessing and methods for evaluation of proper fit. Principles of shoulder disarticulation prostheses. Demonstration of myoelectric powered systems including identification of electrode sites, trouble-shooting, and prosthetic maintenance. Complete two below- and one above-elbow prostheses.

HEA 452 ABOVE KNEE PROSTHETICS II (2). *Prerequisite:* HEA 354. Continuation of HEA 354.

HEA 454 HIP AND SYMES PROSTHETICS (3). *Prerequisite:* HEA 450. Biomechanics, fabrication, fitting and alignment of hip and symes prostheses. Prosthetic implications of hip disarticulation and hemipelvectomy amputations. Review of partial foot prostheses for mid-tarsal, chopart, and partial foot amputations.

HEA 460 COMMUNITY HEALTH AGENCIES (3). *Prerequisite:* HEA 310. Examination and evaluation of state, federal, local and community health agencies and programs. Includes survey and analysis of community level drug, alcohol, communicable disease, and mental health problems and programs. Three hours of lecture per week.

HEA 462 COMMUNITY HEALTH COMMUNICATION (3). *Prerequisite:* HEA 310. Concepts and techniques of identifying, assessing the needs of, and communicating with, target populations in need of community health services. Students will identify a target population, specify a health need of that population, and design and test a videolog or other communication tool for that population. Three hours of lecture per week.

HEA 464 EPIDEMIOLOGIC METHODS FOR HEALTH SCIENCE (3). *Prerequisite:* HEA 310 and HEA 312 are required; SOC 287 is recommended. Methods for the analysis of community health data, including analytic approaches to various research designs, development of appropriate measures of risk, and interpretation of results. Students will design, carry out, and analyze their own study and prepare a written report of results. Three hours of lecture per week.

HEA 466 ENVIRONMENTAL HEALTH PROBLEMS (3). *Prerequisite:* HEA 310. Impact of human activities on environmental quality and resulting environmental health problems. Special attention to local issues, public and private responses to them. Students will design, carry out, and analyze their own study and prepare a written report of results. Three hours of lecture per week.

HEA 470 LEGAL ISSUES IN THE HEALTH SCIENCES (3). *Prerequisite:* HEA 310. Examination of new legislation, exploration of various health law issues that impact hospitals, individuals and groups within the health care sector; including informed consent, regulation/antitrust, licensure and credentialing, and medical ethics. Three hours of lecture per week.

HEA 472 SURVEY OF HEALTH CARE FINANCE (3). *Prerequisite:* HEA 310. Concepts and issues in financial management of health care organizations. Students will use tools for cost effective decision-making and learn how to recognize and deal with financial components of decision-making in health care organizations. Three hours of lecture per week.

HEA 490 HEALTH SCIENCE SENIOR SEMINAR (1-3).* *Prerequisites:* Completion of Health Science core and two option courses; HEA 210, HEA 310, HEA 312, HEA 314, HEA 315 and HEA 316 or HEA 317 and HEA 318. Students will undertake an in-depth study employing techniques and principles used in the Health Science core and option. For students in Health Care Management and Community Health. One to three hours of seminar per week.

HEA 491 RESEARCH AND SEMINAR IN ORTHOTICS AND PROSTHETICS I (1). *Prerequisites:* HEA 440 and HEA 450. Background literature review, hypothesis formation, study design, development of data collection instruments and data collection as phase one of orthotic/prosthetic research project. One hour of seminar per week.

HEA 492 RESEARCH AND SEMINAR IN ORTHOTICS AND PROSTHETICS II (1). *Prerequisite:* HEA 49. Completion of the study begun in HEA 49. Data analysis, report writing, and presentation of findings to colleagues. Peer review and critique of all reports. One hour of seminar per week.

HEA 493 PRECEPTORSHIP IN ORTHOTICS AND PROSTHETICS (5). *Prerequisites:* HEA 342 and HEA 354. Twelve-week placement in a private sector or institutional facility. Preceptorships are individually designed to meet student needs.

HEA 494 INDEPENDENT STUDIES IN THE HEALTH SCIENCES (1-3).* *Prerequisite:* Consent of instructor. Independent study of a particular problem, concept, or issue in the Health Sciences. Students will develop a contract with an instructor regarding expectations for performance in this course and then conduct their study under the tutelage of the instructor. One to three hours of seminar per week.

HEA 495 SPECIAL TOPICS IN HEALTH SCIENCES (1-3).* *Prerequisite:* Consent of instructor. Intensive study of a particular problem, concept, or issue in the Health Sciences that is of special interest to both instructor and student. One to three hours of seminar or lecture per week.



HISTORY

BACHELOR OF ARTS

MINOR

History
Applied History
Women's Studies (see separate listing)

SINGLE SUBJECT WAIVER PROGRAM

History

MASTER OF ARTS

Public History and Historic Preservation

FACULTY

Undergraduate

John W. Auld, Department Chair

David B. Cady, Enrique Cortes, Marilyn Garber, Judson Grenier, Donald Teruo Hata, Nancy Caro Hollander, Howard Holter, Linda Pomerantz, Frank Stricker, Clement Okafor Udeze

June S. Turner, Department Secretary
SBS A-306, (213) 516-3448

Graduate

Howard Holter, Program Coordinator

Dolo Brookings (Arts Administration), David Churchman (Behavioral Sciences), Judson A. Grenier, Howard Holter, Linda Pomerantz, Frank Stricker (History), Ed Weil (Anthropology), Louise Ivers (Art)

Lecturers: Jacquelyn Sundstrand, Archives; Carol Crilly, Museums

Social and Behavioral Sciences Graduate Programs Office
SBS B-334, (213) 516-3435

PROGRAM DESCRIPTION

The department offers an undergraduate major, minors and a master of arts in Public History and Historic Preservation.

Undergraduate

The History Program is structured to provide a wide range of topical and area courses. These courses emphasize the methods historians use to find and evaluate evidence and analyze historical theories. History courses are suited both for use as general electives or as part of several interdisciplinary majors.

History majors and graduate students in the Public History Program can apply for the Jack Kilfoil Scholarship. Consult the History Department for more information.

Graduate

This is a non-traditional program that applies skills in history and applied fields to research, documentation, preservation and advocacy in support of conserving that which is of historic value in communities. It emphasizes the learning, practice and application of skills and concepts necessary for the presentation of history to the public through such areas as archives, museums, historic sites, journals and cultural organizations. Program requirements include community internships, field studies, a thesis, a minimum of 30 semester units and graduate writing competency.

The core of this program is in the field of history, with courses in community, regional, and social history, as well as field courses in specific skills areas. The program also draws upon faculty and courses in allied disciplines within the university. Course scheduling includes a majority of courses during the evening hours to accommodate those who have daytime work responsibilities.

ACADEMIC ADVISEMENT

Undergraduate

Students are expected to seek faculty advisement when they first join the program and routinely thereafter. They may elect a particular member of the faculty to be their advisor or they may request one through the chair of the department. The program is not highly structured and allows flexibility in respect to course sequence and configuration. Required courses may not be scheduled every semester or they may not always be offered in either the day or night mode. An advisement by a faculty member will enable students to complete the requirements of the concentration of their choice in a timely and effective manner.

Faculty members also are helpful in planning for career as well as for graduate study. Students are strongly encouraged to seek advisement routinely.

Graduate

Students interested in the Public History/Historic Preservation Masters Degree Program should make an appointment for advisement with the program coordinator. Upon admission, students in the program should meet with the program coordinator each term for an update of their progress through the program.

PREPARATION

High school students are encouraged to take broadly based humanities and social science courses. Although a foreign language is at present not required for the baccalaureate in history, foreign languages are often a requirement for advanced post-graduate work in history. Thus, high school students interested in history are strongly urged to include at least one foreign language in their course of study.

Students transferring from community colleges may apply appropriate lower-division courses towards the major, especially courses in western and/or world civilization.

CAREER POSSIBILITIES

Undergraduate

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, public service and business.

Graduate

The program prepares students for management and work in a wide range of historical and allied cultural agencies, public and private.

MAJOR REQUIREMENTS -BA (33 units)

Lower Division Requirements (6 units)

- HIS 110. The Western World:
The Classical Foundation (3)
- HIS 111. The Western World:
The Modern Experience (3)

Upper Division Requirements (27 units)

- A. HIS 300. Research and Writing Skills (3). (Should be the first upper division course taken in the major)
- B. Three non-U.S. History courses (no more than two courses per continent) selected from courses numbered 305, 310-319, 360-369 and 395 (when subject is appropriate).
- C. Three courses in United States History. Two should be chronological, selected from courses numbered HIS 330-339.

One should be topical, selected from courses numbered 340-359 or 395 when the subject is appropriate).

- D. One topical upper division course selected from courses numbered 304, 340-350, 370-390, 395 or any 400-level course (except 490). HIS 304 is strongly recommended or any 400-level course (except 490).
- E. HIS 490. Senior Seminar in History (3)+ (to be taken in the senior year).

MINOR REQUIREMENTS

MINOR IN HISTORY (15 units)

- A. Four upper division courses chosen with an advisor (12 units)
- B. Required Course (3 units)
HIS 490. Senior Seminar in History (3)+

You must complete the graduation writing competency requirement prior to taking HIS 490.

MINOR IN APPLIED HISTORY (18 units)

The Applied History minor focuses upon the development and application of a number of skills that can be applied to community careers and concerns in fields in which the use of history and related disciplines are sought by the public and private sectors and by the teaching profession at all levels. The emphasis of the program is upon skill development, research, writing and analytical techniques, and community activity. In a majority of courses, the community will be used as a laboratory, with field work included wherever possible.

- A. Required Course (3 units)
HIS 300. Research Writing Skills (3)
- B. Applied History. Choose three courses from the following list (9 units):
HIS 411. Community History (3)
HIS 420. Historic Preservation:
Principles and Practice (3)
HIS 430. Oral History (3)
HIS 440. Museums and Material Culture (3)
HIS 450. Archives and Records Management (3)
- C. General History. Choose one course from the following list (3 units):
HIS 340. The American Frontier (3)
HIS 341. California (3)
HIS 342. History of Los Angeles (3)
HIS 348. Labor in American Society (3)
HIS 349. History of Urban America (3)
HIS 373. The City in History (3)

(The above courses are recommended, but students may take other history courses upon advisement)

- D. Choose one course from the following courses in allied disciplines or an additional course from C (3 units):
ANT 313. Methods and Techniques of Archaeology (3)+
ANT 452. Public Anthropology and Public History (3)
ART 332. Modern Architecture (3)+
ART 353. Art of California and the Southwest (3)+
GEO 305. Cartography (3)
SOC 302. Workshop in Survey Research (3)+
SOC 308. Field Applications in Sociology (3)+

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM FOR THE SINGLE SUBJECT TEACHING CREDENTIAL IN HISTORY (45 units)

The Single Subject Waiver Program in History is designed for students interested in a career in teaching history at the secondary school level. This program satisfies the requirements set by the State Commission on Teacher Credentialing for demonstrating substantive preparation in the subject matter field of history. Completion of an approved waiver program or passing a comprehensive examination in the subject matter field fulfills one part of the requirements leading to the Single Subject Teaching Credential in History. While the waiver program in history is not an academic major, credits earned toward a major in history can be used to meet most of the requirements of the waiver program. Students interested in pursuing a teaching career at the secondary level should meet regularly with the designated departmental waiver program advisor.

The waiver program in history consists of 45 semester units. Part I is the "Core" of 30 semester units in "subjects commonly taught" at the secondary school level. Part II requires fifteen semester units to provide "depth and breadth."

PART I: CORE: "SUBJECTS COMMONLY TAUGHT", 30 UNITS

U.S. History: 12 units

HIS 101. History of the United States (3)

and two courses selected from:

- HIS 330. United States: Colonial Period (3)
- HIS 331. United States: Revolutionary and Constitutional Period (3)
- HIS 332. United States: Early National Period (3)
- HIS 333. United States: Civil War and Reconstruction (3)
- HIS 334. Emergence of Modern America (3)
- HIS 335. United States: War and Depression (3)
- HIS 336. United States: Recent Period (3)

and one course selected from:

- HIS 340. The American Frontier (3)
- HIS 342. History of Los Angeles (3)
- HIS 343. The African-American from Africa through Reconstruction (3)
- HIS 344. The African-American from Reconstruction to the Present (3)
- HIS 345. History of the Mexican American People I (3)
- HIS 346. History of the Mexican American People II (3)
- HIS 348. Labor in American Society (3)
- HIS 349. History of Urban America (3)
- HIS 350. History of American Thought (3)
- HIS 352. Topics in the History of U.S. Foreign Relations (3)

World History: 3 units

One course selected from:

- HIS 305. World History Since 1500 (3)
- HIS 310. The Ancient World (3)
- HIS 311. Early Middle Ages (3)
- HIS 312. The High Middle Ages (3)
- HIS 313. Renaissance and Reformation (3)
- HIS 314. Emergence of Modern Europe (3)
- HIS 315. Twentieth Century Europe (3)
- HIS 318. Russia under the Tsars (3)
- HIS 319. The Soviet Union: Yesterday and Today (3)

- HIS 360. Africa: Pre-Colonial Period (3)
- HIS 361. Africa: Colonialism to Independence (3)
- HIS 362. Traditional China (3)
- HIS 363. Modern China (3)
- HIS 364. Traditional Japan (3)
- HIS 365. Modern Japan (3)
- HIS 366. Latin America: Colonial Period (3)
- HIS 367. Latin America: National Period (3)
- HIS 368. Mexico: Colonial Period (3)
- HIS 369. Mexico: National Period (3)

World Civilization: 6 units

- HIS 110. The Western World:
The Classical Foundation (3) and
- HIS 111. The Western World:
The Modern Experience (3)

California: 3 units

HIS 341. California (3)

Modern Europe: 3 units

One course selected from:

- HIS 313. Renaissance and Reformation (3)
- HIS 314. Emergence of Modern Europe (3)
- HIS 315. Twentieth Century Europe (3)
- HIS 316. Tudor-Stuart England (3)
- HIS 317. Modern England (3)
- HIS 318. Russia under the Tsars (3)
- HIS 319. The Soviet Union: Yesterday and Today (3)

Non-Western World: 3 units

One course selected from:

- HIS 360. Africa: Pre-Colonial Period (3)
- HIS 361. Africa: Colonialism to Independence (3)
- HIS 362. Traditional China (3)
- HIS 363. Modern China (3)
- HIS 364. Traditional Japan (3)
- HIS 365. Modern Japan (3)
- HIS 366. Latin America: Colonial Period (3)
- HIS 367. Latin America: National Period (3)
- HIS 368. Mexico: Colonial Period (3)
- HIS 369. Mexico: National Period (3)

PART II: "BREADTH AND DEPTH" 15 UNITS

- HIS 300. Research and Writing Skills (3)
- HIS 490. Senior Seminar in History (3)+

and three additional courses from the following with no more than one course from any category.

1. HIS 100. Perspectives on the Present (3)
2. HIS 301. Individual, Family, and Community in Historical Perspective (3)
- HIS 304. Theory and Practice of History (3)
- HIS 411. Community History (3)
- HIS 430. Oral History (3)
3. Requires approval of History advisor
- HUM 310. Key Concepts (3)
- HUM 312. Key Movements (3)
- HUM 314. Key Issues (3)
4. HIS 344. The African-American from Reconstruction to the Present (3)
- HIS 346. History of the Mexican American People II (3)
- HIS 381. Across the Pacific: Asian and Pacific Peoples and the Americas (3)
5. POL 100. General Studies Political Science: World Perspectives (3)
- POL 101. American Institutions (3)

MAJOR REQUIREMENTS - MA

PUBLIC HISTORY AND HISTORIC PRESERVATION

Admission Requirements

1. Baccalaureate degree from accredited college.
2. G.P.A. of 2.75 or better in last 60 semester hours attempted (not including extension units).
3. At least three (3) upper division bachelor's level history courses or their equivalent must be taken in previous educational work. Students who do not meet this requirement may be admitted conditionally pending their completion of course-work within the first two semesters of enrollment.
4. Official transcripts of all undergraduate work.
5. A personal statement indicating reasons for wanting to enter the program, and occupational goal(s) desired.
6. May require personal interview.

Program Requirements

1. A grade point average of 3.0 or better in all courses taken to satisfy the requirements for the degree.
2. A master's thesis or creative project, based upon original research or design, to be taken after advancement to candidacy.
3. Community internships.
4. At least 16 units must be taken from courses at the 500 level.
5. Advancement to candidacy: Students will apply for advancement to candidacy status upon completion of Phase II, and prior to the final semester of enrollment. Applications are on file in the department office.
6. A minimum of 30 units are required for the degree.
7. In addition, if students are admitted into the Public History/Historic Preservation Program, they will be required to take the Graduation Writing Examination (GWE) and make a score of at least eight (8), or take one of the undergraduate certifying courses at CSU Dominguez Hills and make at least a grade of "B". Students must pass either the exam or the course by the end of their first year in the program or be subject to disqualification.

Degree Requirements

Phase I: Core Courses (9 units)

- ANT 452. Public Anthropology and Public History (3)
- HIS 500. Colloquium in Community History (3)
- HIS 502. Systems, Theory and Research in History (3)

Phase II: (15 units)

A. Field Skills Required (9 units)

- HIS 420. Historic Preservation: Principles & Practice (3)
- HIS 440. Museums and Material Culture (3)
- HIS 450. Archives and Record Management (3)

B. Electives (6 units from the following lists, 3 units of which must be 500 level)

1. Skills

- BEH 505. Seminar: Statistics, Computing and Information Processing (3)+
- BEH 512. Seminar: Organizational Administration (4)
- HIS 430. Oral History (3)

- HIS 431. Historical Editing and Publishing (3)
- PUB 502. Organization Theory and Behavior (4)

2. General

- ANT 313. Methods and Techniques of Archaeology (3)+
- ANT 341. Folklore (3)
- ART 332. Modern Architecture (3)+
- ART 353. Art of California & the Southwest (3)+
- ART 493. Special Studies in Art (3)
- HIS 341. California (3)
- HIS 342. History of Los Angeles (3)
- HIS 349. History of Urban America (3)
- HIS 376. Film as History (3)
- HIS 379. The Family in History (3)
- HIS 530. Workshop in Historic Preservation and Public History (1,2,3)
- HIS 597. Directed Reading (1, 2, 3)
- HIS 598. Directed Research (1, 2, 3)

Phase III: Final Project (6 units)

- HIS 596. Internship in Public History and Historic Preservation (1,2,3)
- HIS 599. Thesis or Creative Project (1, 2, 3)

COURSE OFFERINGS IN HISTORY

Lower Division

HIS 100 PERSPECTIVES ON THE PRESENT (3). Exploration of the ways in which history and historians provide perspective and background analysis of current issues. Focus is upon case studies, such as: origins of the Cold War; the family in history; cycles of economic depression; colonial independence movements; origins of modern science. Three hours of lecture per week.

HIS 101 HISTORY OF THE UNITED STATES (3). A study of the ideals, creeds, institutions, and behavior of the peoples of the United States. Meets the State requirement in U.S. History. Three hours of lecture per week.

HIS 110 THE WESTERN WORLD: THE CLASSICAL FOUNDATION (3). A search into the Judaeo-Christian, Greco-Roman and medieval through Reformation foundations of contemporary western civilization. Three hours of lecture per week.

HIS 111 THE WESTERN WORLD: THE MODERN EXPERIENCE (3). Significant institutions and ideas of European civilization in the modern era, sixteenth century to the present. Three hours of lecture per week.

Upper Division

HIS 300 RESEARCH AND WRITING SKILLS (3). *Prerequisites: Freshman level writing courses.* 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. Three hours of lecture per week.

HIS 301 INDIVIDUAL, FAMILY, AND COMMUNITY IN HISTORIC PERSPECTIVE (3). Concentrates upon factors that contribute to shaping of individual, family, community, and regional history. Emphasis upon personal histories and individual relationships to immediate environment. Includes ethnic settlements, historic sites, oral histories, generations. Three hours of lecture per week.

HIS 304 THEORY AND PRACTICE OF HISTORY (3). *Prerequisite: HIS 300 is recommended.* An examination of the works and theories of the great historians, exploration of the major philosophies of history and review of the current trends of the field of history. Three hours of lecture per week.

HIS 305 WORLD HISTORY SINCE 1500 (3). Provides an overview of modern global history that links all continents and peoples. Includes topics that concern all regions such as colonialism, religious and political ideologies, economic development, war and peace, and science and technology. Three hours of lecture per week.

HIS 310 THE ANCIENT WORLD (3). 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. Three hours of lecture per week.

HIS 311 EARLY MIDDLE AGES (3). Europe from the decline of the ancient Mediterranean civilization of Rome to the mid-eleventh century; political, economic, institutional, and cultural changes and developments. Three hours of lecture per week.

HIS 312 THE HIGH MIDDLE AGES (3). 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. Three hours of lecture per week.

HIS 313 RENAISSANCE AND REFORMATION (3). 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. Three hours of lecture per week.

HIS 314 EMERGENCE MODERN EUROPE (3). 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. Three hours of lecture per week.

HIS 315 TWENTIETH CENTURY EUROPE (3). The formation of present-day Europe amid continued industrialization, war, social and political ferment from the opening of the century to the present. Three hours of lecture per week.

HIS 316 TUDOR-STUART ENGLAND (3). England clears path to world power. From the Tudors through mid-18th century. Reformation, Civil War, Revolution. Agricultural and Commercial revolution, Classical Age of the Constitution. Main focus on eras of Henry VIII, Elizabeth I, and the Civil War. Three hours of lecture per week.

HIS 317 MODERN ENGLAND (3). England achieves world power. From mid-18th century to the present. Industrial Revolution, achievement of democracy and the welfare state, the impact of war, and changing world role. Three hours of lecture per week.

HIS 318 RUSSIA UNDER THE TSARS (3). A survey of the Russian people, culture and historical developments, from 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. Three hours of lecture per week.

HIS 319 THE SOVIET UNION: YESTERDAY AND TODAY (3). A survey of the Russian people and Soviet society from the rise of communism to the present. Topics of emphasis: Russian Revolution, development of communism, Stalinism, foreign policy, literature and the arts, socialist economic structure. Three hours of lecture per week.

HIS 330 UNITED STATES: COLONIAL PERIOD (3). The discovery, founding and expansion of colonial settlements to 1740. The relation of European institutions and plans to American ideas, experience, and reality. Three hours of lecture per week.

HIS 331 UNITED STATES: REVOLUTIONARY AND CONSTITUTIONAL PERIOD (3). 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. Three hours of lecture per week.

HIS 332 UNITED STATES: EARLY NATIONAL PERIOD (3). A study of the national experience from the Constitution through the era of sectional conflict. Includes expansion of the Union westward, the emergence of a national character, and sectional rivalries leading to conflict at mid-century. Three hours of lecture per week.

HIS 333 UNITED STATES: CIVIL WAR AND RECONSTRUCTION (3). 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. Three hours of lecture per week.

HIS 334 EMERGENCE OF MODERN AMERICA (3). 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. Three hours of lecture per week.

HIS 335 UNITED STATES: WAR AND DEPRESSION (3). 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. Three hours of lecture per week.

HIS 336 UNITED STATES: RECENT PERIOD (3). Major developments in American life and institutions since World War II. Consideration of domestic politics from Truman to Reagan, effects of mass technology, the civil rights struggle, and confrontations with the communist world. Three hours of lecture per week.

HIS 340 THE AMERICAN FRONTIER (3). 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. Three hours of lecture per week.

HIS 341 CALIFORNIA (3). The social, political, and cultural history of California, from the period of Spanish exploration to the present; emphasis on adjustments of differing ethnic groups. Three hours of lecture per week.

HIS 342 HISTORY OF LOS ANGELES (3). Los Angeles history from its beginnings to the present, including historical development of cities and towns in greater L.A. Topics include ethnic contributions, industrial and commercial development, labor movement, transportation, natural resources, and architectural development. Three hours of lecture per week.

HIS 343 THE AFRO-AMERICAN FROM AFRICA THROUGH RECONSTRUCTION (3). Consideration of the impact of general historical development upon Black Americans and their 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. Three hours of lecture per week.

HIS 344 THE AFRO-AMERICAN FROM RECONSTRUCTION TO THE PRESENT (3). Impact of general historical development upon Black Americans and their 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 American in an industrial age. Three hours of lecture per week.

HIS 345 HISTORY OF THE MEXICAN-AMERICAN PEOPLE I (3). Mexican-American life to 1900, stressing the evolution of economic and political thought, social institutions, and cultural expressions. Three hours of lecture per week.

HIS 346 HISTORY OF THE MEXICAN-AMERICAN PEOPLE II (3). The Mexican-American's contributions to the building of the Southwest; the clash between Mexicans and North Americans; the emergence of the urban Mexican-American. Three hours of lecture per week.

HIS 348 LABOR IN AMERICAN SOCIETY (3). The role of labor in the political, economic, and social life of the U.S., including growth of organized labor, rival ideologies, legal decisions, and contributions of various ethnic groups, from the colonial period to the present. Three hours of lecture per week.

HIS 349 HISTORY OF URBAN AMERICA (3). 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. Three hours of lecture per week.

HIS 350 HISTORY OF AMERICAN THOUGHT (3). 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. Three hours of lecture per week.

HIS 351 HISTORY OF AMERICAN LAW (3). Examination of the origins and development of the American legal system and one or more areas of law—contracts, torts, family law, personal rights, etc. Three hours of lecture per week.

HIS 352 TOPICS IN THE HISTORY OF U.S. FOREIGN RELATIONS (3). Foreign policy by topics or eras. Examples: U.S. Revolutionary period, U.S. policy in Asia, the Cold War era, the U.S. and the Third World in the twentieth century. Topics will vary and be listed in the class schedule. Three hours of lecture per week.

HIS 360 AFRICA: PRE-COLONIAL PERIOD (3). 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. Three hours of lecture per week.

HIS 361 AFRICA: COLONIALISM TO INDEPENDENCE (3). Social, economic, and political development in 19th and 20th century Africa, emphasizing religious revivals in Central and Western Sudan, impact of European imperialism on traditional institutions, colonialism and nationalism, regaining political independence in the 1960s. Three hours of lecture per week.

HIS 362 TRADITIONAL CHINA (3). The origins and evolution of Chinese civilization and the influence of China on East Asia prior to the 19th century Western impact. Three hours of lecture per week.

HIS 363 MODERN CHINA (3). China from 1840 to the present. Western impact on traditional China and the Chinese response. Analysis of attempts to modernize China. A history of the Chinese communist movement since 1921. Society, politics and culture of the People's Republic of China focusing on the era of Mao Zedong (1949-1976). Three hours of lecture per week.

HIS 364 TRADITIONAL JAPAN (3). Origins and evolution of Japanese social, cultural, intellectual, and political traditions until the 19th Century Western impact. Foundation for comparison and contrast of Japan before and after the Meiji Restoration. Three hours of lecture per week.

HIS 365 MODERN JAPAN (3). 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. Three hours of lecture per week.

HIS 366 LATIN AMERICA: COLONIAL PERIOD (3). Colonial Latin America from pre-Columbian civilizations to the wars of independence, emphasizing mechanisms of empire established by the Spanish and Portuguese and acculturation between conquering Europeans and colonized Indian and African peoples. Three hours of lecture per week.

HIS 367 LATIN AMERICA: NATIONAL PERIOD (3). Latin America from the wars of independence to the present, with topical emphasis on the historical roots of underdevelopment, class conflict, and attempts by revolutionary and conservative movements to resolve political instability and economic dependency. Three hours of lecture per week.

HIS 368 MEXICO: COLONIAL PERIOD (3). 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. Three hours of lecture per week.

HIS 369 MEXICO: NATIONAL PERIOD (3). The development of Mexico since independence with emphasis on the evolution of its political, economic, and social institutions. Three hours of lecture per week.

HIS 373 THE CITY IN HISTORY (3). 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. Three hours of lecture per week.

HIS 376 FILM AS HISTORY (3).* The historical analysis of films as manuscripts and source materials for social and intellectual thought in the twentieth century. Emphasis to vary from semester to semester, for example: Film as History: The Great Depression; or Film as History: Latin America. Three hours of lecture per week.

HIS 379 THE FAMILY IN HISTORY (3). 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. Three hours of lecture per week.

HIS 380 WOMEN IN HISTORY (3).* Changing role of women in the family, political economy and culture of various societies. Topics vary, 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. Three hours of lecture per week.

HIS 381 ACROSS THE PACIFIC: ASIAN AND PACIFIC PEOPLES AND THE AMERICAS (3). A survey history of Asian and Pacific contacts with North, Central and South America and the Pacific Basin, including immigration and acculturation, diplomatic and commercial relations, legal and political issues, and cross-cultural contributions. Three hours of lecture per week.

HIS 395 SPECIAL TOPICS IN HISTORY (3).* Intensive study of a single period, area, figure, movement, or idea in history. Topic may be either departmental or interdisciplinary, but focus is historical, and may be single instructor or team taught. Example: Special Topics: Revolution. Three hours of lecture per week.

HIS 411 COMMUNITY HISTORY (3). Investigation of the history of local communities, concentrating on those in which students reside. Examination of current methods and standards of writing local history, search for resources for local history, including: buildings, artifacts, photographs, cemeteries, businesses, governmental agencies, and people. Three hours of lecture per week.

HIS 420 HISTORIC PRESERVATION: PRINCIPLES AND PRACTICE (3). A basic introduction to the field of historic preservation and historic sites. Includes examination of the development of the field, and focuses upon restoration techniques, especially structural and decorative principles, documentation, interpretation, maintenance and preservation law. Field trips included. Three hours of lecture per week.

HIS 430 ORAL HISTORY (3). Theory, principles and practices of oral history, including research preparation, interviewing techniques, transcription practices, preparation for public use, conservation and mechanical techniques. Individual or group project included. Three hours of lecture per week.

*Repeatable course.

HIS 431 HISTORICAL EDITING AND PUBLISHING (3). Introduction to the editing of scholarly journals and books, manuscript evaluation and preparation, copy editing, proofreading, and related topics. Three hours of lecture per week.

HIS 440 MUSEUMS AND MATERIAL CULTURE (3). History, theory and practice of museum work and exhibition techniques. Topics include: policy and management; techniques of display; security; public and educational use; skills in artifact appraisal and identification; conservation; artifact cataloging; curatorial practices. Includes photography and documentation. Three hours of lecture per week.

HIS 450 ARCHIVES AND RECORD MANAGEMENT (3). Principles and techniques of conserving, arranging, describing, and classifying documentary material, with application to public and private records; textual, cartographic, photographic, microforms, and computer storage and use. Field work included. Three hours of lecture per week.

HIS 490 SENIOR SEMINAR IN HISTORY (3). *Prerequisites: Consent of instructor is required.* History majors must have completed HIS 300. Others should have completed writing proficiency requirement. Collective examination of a topic in depth. Students will undertake a major research project utilizing historical skills. Three hours of seminar per week.

HIS 494 INDEPENDENT STUDY (3). ** Prerequisite: Consent of instructor is recommended.* Independent study of a particular problem under the direction of a faculty member of the History Department.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

HIS 500 COLLOQUIUM IN COMMUNITY HISTORY (3). Examination of the historical development, scope, components of community history, including its relationship to the field of public history. Students will search for resources for compiling and writing local history and investigate a specific community. Three hours of lecture per week.

HIS 502 SYSTEMS, THEORY AND RESEARCH IN HISTORY (3). Examination of the works and theories of the great historians. Exploration of major philosophies and practices of history. Review of current trends and approaches to historical research and scholarship. Three hours of lecture per week.

HIS 530 WORKSHOP IN HISTORIC PRESERVATION AND PUBLIC HISTORY (1-3). ** Application of skills in historic preservation and/or public history to specific community project.*

HIS 596 INTERNSHIP IN PUBLIC HISTORY/HISTORIC PRESERVATION (1-3). ** Prerequisite: Completion of course in the field of the internship.* Students will work in a public or private agency that practices skills taught in Public History and Historic Preservation.

HIS 597 DIRECTED READING (1-3). ** Prerequisite: Consent of instructor.* In consultation with a faculty member, assignment of a list of readings that may be used to provide background for special areas of concentration, or to provide knowledge in areas of program needs in which student preparation is weak or needs to be augmented.

HIS 598 DIRECTED RESEARCH (1-3). ** Prerequisite: Consent of instructor.* Faculty-guided research in any of the areas of program emphasis, such as: oral history, museum work, archives and records management, community history, family history, historic preservation.

HIS 599 THESIS OR CREATIVE PROJECT (1-3). ** Prerequisite: Advancement to candidacy.* Original research and/or approach to an approved written or creative project in historic preservation or public history, under guidance of a program faculty member.

HIS 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.



HUMAN SERVICES

BACHELOR OF ARTS

Childhood and Adolescence Option
Adult Life and Gerontology Option

FACULTY

Alan Ryave (Sociology), Program Coordinator

Kenneth L. Kuykendall (Anthropology), Gene Kalland (Biology),
Ramona Davis (Psychology), Judith Todd (Psychology),

Program Office
SBS A-336, (213) 516-3641

PROGRAM DESCRIPTION

The Human Services program at CSU Dominguez Hills emphasizes providing services for all the members of the community—the disadvantaged, the disabled, the young and the old—through program development and evaluation, counseling and education, and a variety of direct and indirect services. Human Services means people helping people. Caring, socially concerned, people-oriented individuals find the human services major allows them to learn about and to experience how to serve the community effectively. The Human Services program at CSU Dominguez Hills is a professional undergraduate major, normally extending over four semesters of upper division academic work.

Students in human services receive both a broad, multi-disciplinary education in a set of core courses and specialized, in-depth training in an area of concentration. Sufficient electives are offered to allow for individually tailored programs of study. In addition, students are involved from the outset of the program in actual work in the field of human services through a series of practicum courses.

A graduate of the Human Services Program at CSU Dominguez Hills will not be trained simply as a generally oriented mental health technician, but will be trained clinically in a specific area of competence in one of the following two options: Childhood and Adolescence or Adult Life and Gerontology.

FEATURES

The human services major is a single-field major. A minor is not required.

A unique aspect of the human services major is the student's involvement from the outset of the program in actual work in the field of human services. The practicum courses provide for on-the-job training in a variety of community settings. There are many instances when practicum experience leads to employment.

ACADEMIC ADVISEMENT

New students are encouraged to see an academic advisor prior to enrolling in classes. Students may call (213) 516-3641 to schedule an appointment. They should bring copies of transcripts from all colleges and universities attended, and their general studies evaluation. If students are considering applying to a graduate program, they should meet with their academic advisor early in their coursework.

PREPARATION

High school students are encouraged to take college preparatory courses including English and biology.

Community college transfer students are encouraged to complete general studies courses. Several courses in each community college articulate with the human services major, so transfer students considering this major should call for advisement early in their community college careers. Students contemplating declaring, or already accepted into the human services major, should come to the program office for counseling and advising.

concerning the sequence in which courses should be taken and the arrangement of their schedules.

CAREER POSSIBILITIES

The Human Services Program prepares students to work in mental health agencies, family service centers, facilities for the developmentally disabled, drug and alcohol services, geriatric care, personnel services, educational settings and other service areas. Some training in human services administration is offered. Human services workers assume many roles such as: care giving, advocating, teaching, group facilitation, outreaching, mobilizing, consulting, planning, administering, and evaluating. Students have ample opportunity to learn about community agencies and available occupations before they graduate.

STUDENT ORGANIZATIONS

Students in the human services major are a very active and cohesive group, networking and socializing together many times during the academic year. The Human Services Alumni Association also is quite active and encourages undergraduate participation. In addition, human services majors are eligible to join the Psychology Club and Psi Chi, the national psychology honorary society.

MAJOR REQUIREMENTS - BA (57 units)

Single Field major, no minor is required.

A. Common Core Courses (27 units)

- ANT 310. Culture and Personality: Psychological Anthropology (3) or
- ANT 389. Transmission of Culture (3)
- BIO 250. Elements of Human Anatomy and Physiology (3) or
- BIO 254. Human Biology
- PSY 363. The Abnormal Personality (3) or approved substitute from an accredited college
- PSY 367. Effective Communication Skills (3)
- PSY 464. Introduction to Clinical Psychology (3)+
- PSY 470. Community Psychology: Issues and Practice (3)+
- SOC 320. The Family (3) or
- HIS 379. The Family in History (3)
- SOC 341. Seminar in Small Groups (3) or
- PSY 342. Interpersonal and Group Dynamics (3)

One of the following courses:

- HIS 344. The Afro-American from Reconstruction to the Present (3)
- HIS 381. Across the Pacific: Asian and Pacific Peoples and the Americas (3)
- HIS 346. History of the Mexican American People II (3)
- PSY 380. Psychology of the Mexican American (3)
- PSY 383. Psychology of the Black Experience (3)
- SOC 331. Minority Racial and Ethnic Relations (3)
- SOC 335. Social Movements (if topic is Black Awareness, Chicano Experience or Asian-American Experience) (3)
- PUB 300. Perspectives on Public Administration (3)
- PUB 326. Intergovernmental Relations, Grants, and Administration (3)
- PUB 371. Health Services Administration and Public Policy Development (3)

B. Each student will choose one of the following two options:

OPTION I: CHILDHOOD AND ADOLESCENCE (15 units)

- BIO 380. Biology of Childhood and Adolescence (3)+
- PSY 350. Developmental Psychology or
- PSY 351. Psychology of Adolescent Experience (3)
- PSY 454. Life-Span Issues in Counseling (3)+
- SOC 321. Sociology of Education (3) or
- SOC 322. Social Environment of Education (3)

One of the following courses:

- BIO 370. Biological Bases of Human Behavior (3)
- BIO 374. Drug Abuse (3)
- PSY 368. Human Sexuality (3)
- PSY 382. Psychological Development of the Black Child (3)
- SOC 369. Juvenile Delinquency (3)
- SOC 386. Sociology of the Helping Professions (3)

OPTION II: ADULT LIFE AND GERONTOLOGY (15 units)

- BIO 386. Human Aging (3)+
- PSY 352. Psychology of Adult Development and Aging (3)
- PSY 454. Life-Span Issues in Counseling (3)+
- SOC 316. Sociology of Adult Life and Aging (3)+ or
- ANT 344. Aging in Cross-Cultural Perspective (3)

One of the following courses:

- ANT 346. Anthropology of Work (3)
- REC 334. Leisure Education and Gerontology (3)
- SOC 315. Sociology of Work (3)
- SOC 386. Sociology of the Helping Professions (3)
- PSY 353. The Experience of Death and Dying (3)

C. Practicum and Community Experience (15 units)

Fieldwork courses must be taken in order listed, one per semester. PSY 396 requires 8 hours of fieldwork per week, and PSY 496 requires 16 hours per week.

- HUS 300. Introduction to Human Services (3)
- PSY 396. Practicum in Psychology (3)+ (To be repeated two times during the student's residence, for a total of 6 units) (Graded Credit/No Credit) Note: SOC 381. Field Studies in Urban Problems (3) may be substituted for one section of PSY 396
- PSY 496. Internship (6)+

COURSE OFFERINGS IN HUMAN SERVICES

Upper Division

HUS 300 INTRODUCTION TO HUMAN SERVICES (3). Introduction to human services as a profession. Exploration of social forces that contribute to human needs, and issues/problems related to planning, delivering and evaluating programs. Some site visits are required. Three hours of lecture per week.



HUMANITIES

MASTER OF ARTS (AND GENERAL STUDIES COURSES)

FACULTY

Undergraduate

Arthur Harshman, Program Coordinator

John Auld, Marshall Bialosky (Emeritus), David Champion, Lois Feuer, Lila Geller, David Heifetz, Howard Holter, John LaCorte, Noreen Larinde, Leonard Lee, Donald Lewis, Michael Mahon, Hal Marienthal, Linda Pomerantz, Abraham Ravitz (Emeritus), Peter Rodney, Porfirio Sanchez, Michael Shafer, Lyle Smith, Marilyn Sutton, Joanne Zitelli

Department Office

HFA A-111, (213) 516-3636

Graduate

Humanities Master of Arts Committee

Marshall Bialosky, Judd Grenier, Arthur Harshman, Frances Lauerhass, Donald Lewis, Peter Rodney

PROGRAM DESCRIPTION AND FEATURES

Undergraduate

All students at CSU Dominguez Hills are required to take the Humanities 200 lower division course (including the Harlem Renaissance), which is a ground level introduction to ideas, concepts and a good number of works of art, literature, music and philosophy drawn from the Renaissance and Modern (including the Harlem Renaissance) periods of history. This is not a survey course, but rather a concentrated examination of these two important periods in human history. Written works, art works and musical examples will be used to broaden the student's perception, and also to trace the course's main theme of tradition and change.

In order to continue the student's experience in the humanities beyond the lower division Humanities 200 course, bachelor's candidates are further required to take one additional course selected from the Humanities 310, 312, and 314 sequence. These courses, concerned with key concepts, movements and issues, attempt to focus on one particular theme in contrast to the broadly-based Humanities 200 course.

Graduate

The master's degree in humanities program is taught exclusively by highly experienced and senior members of the faculty. The objectives of the program are 1) to provide personal enrichment through the study of great works selected from the various humanities areas; 2) to provide teachers, and others who may benefit from it, the opportunity for job advancement through the acquisition of a master's degree; and 3) to allow the postgraduate student an opportunity to inquire into the humanities to help balance today's highly technological emphasis in so many other areas.

ACADEMIC ADVISEMENT

Undergraduate

Any of the previously listed faculty may serve as advisors within the humanities program. Assignment of advisors will be coordinated by the humanities coordinator.

All students are urged to see an advisor upon admission to the University, and further, upon completion of 60 semester units, and during the first semester of the senior year.

Advisors may be especially helpful for future academic planning, such as graduate work, and for necessary preparations for job-related requirements.

Graduate

Any member of the Humanities M.A. Committee may assist the student in preparation for entry into this program as well as charting a specific course of study. Students are urged to see the humanities coordinator for assignment to a proper advisor. Once in the program, students are requested to stay in close touch with their advisors in course selection and the choice of a topic for the Final Project.

PREPARATION

Undergraduate

High school students are urged to take as many courses as they can in the areas covered by the humanities; art, literature, music, philosophy, etc. Personal experiences, such as performing in a high school band, orchestra or chorus, or taking part in a theatrical production, or being in a poetry reading and writing group, also will be valuable preparation for college work.

Graduate

For students preparing to enter the Humanities M.A. program some prior experience with courses or individual study in the areas of art, music, literature and philosophy would be highly desirable. History and foreign languages are also a valuable preparation for this program.

As recommended above, community college transfers are encouraged to participate in some of the many high level activities in the arts provided at California Community Colleges. Actual experience in music, art studio work and art history, theatrical productions, and creative writing would be an excellent background for college level work in the humanities.

STUDENT ORGANIZATIONS

Graduate Students concentrating in music are urged to consider joining Mu Phi Alpha, the national music fraternity whose local chapter, Gamma Sigma, is very active in campus musical life.

MAJOR REQUIREMENTS - MA

Admission Requirements

The master of arts degree in the humanities is a 30 semester unit curriculum encompassing interdisciplinary and single discipline studies in the several areas of the humanities: art, history, literature, music, philosophy, religious studies and theatre arts. Studies will include an emphasis in one of these disciplines with related work in the others.

1. To be admitted into the program a student must possess a baccalaureate degree from an accredited college, as well as a grade-point average of 2.5 or better in the last 60 semester units (90 quarter units) attempted (not including extension units).

For admission to classified standing, nine (9) units of graduate humanities (500 level) courses must be taken at CSU Dominguez Hills, with a "B" average or better. For advancement to candidacy, students must present classified standing plus nine (9) additional units in the Humanities MA program with a "B" average or better, and file an approved program of courses.

2. A reading knowledge of at least one foreign language is a valuable research and teaching tool. While a formal language requirement is not part of this program, those planning to pursue a Ph.D. eventually will be held responsible for reading ability in one or more foreign languages.

3. The 30 units must be selected as follows with the consultation and approval of a faculty advisor: at least 15 units must be selected from 500 level courses. Graduate students enrolled in 400 level courses will be expected to perform at a more advanced level, commensurate with their higher academic standing. Furthermore, a student who has taken an undergraduate course that counted toward a B.A. degree may not repeat the course or its equivalent to be applied to the M.A. program, except specified courses.

NOTE: Although there are no formal course prerequisites for admission to the program, a student may be required to take undergraduate prerequisite courses if his/her educational background in the humanities is not strong.

4. A grade point average of 3.0 or better in all courses taken to satisfy the requirements for completion of the degree.

DEGREE REQUIREMENTS (30 units total)

- A. Required introductory course: (to be taken during the first semester of enrollment in the program) (3 units)
HUM 510. Perspectives in the Humanities (3)
- B. Four courses** in a major field of concentration selected from a single discipline (art, foreign language, history, literature, music, philosophy/religious studies, or theatre arts), 2 of which must be at the 500 level. 500 level departmental seminars may be taken twice to satisfy this requirement. (12 units)
- C. Three additional courses** in related disciplines meeting one of the following criteria: (9 units)
 - Work in at least two different disciplines other than the major field of concentration.
 - Work in one discipline other than the major field of concentration and in interdisciplinary studies.
 - Work exclusively in interdisciplinary studies.
- D. Required Capstone Courses: (6 units)
HUM 580. The Humanities: A Synthesis (3)
HUM 599. Final Project (3)
- E. All graduates must pass the Graduate Writing Competency requirement. A grade of "eight" or better is required on the GWE test, or in cases where English 350 is taken, a grade of "BC" or better is required. Details on the examination are available from the English Department office.

COURSE OFFERINGS IN HUMANITIES

Lower Division

HUM 200 INTRODUCTION TO THE HUMANITIES (3). *Prerequisites: One semester of ENG 111 or six units of IDS 107 or equivalent.* Examines the inter-relationships among the humanities (art, literature, music, and philosophy) in Western culture by studying the theme of tradition and change in two periods, the Renaissance and the 20th Century (including the Harlem Renaissance). Three hours of lecture per week.

Upper Division

HUM 310 KEY CONCEPTS (3). *Prerequisite: HUM 100.* Analysis of a major concept in humanistic thought and expression; i.e., time, death, alienation, excellence; individual and society, classicism and romanticism, etc. Three hours of lecture per week.

HUM 312 KEY MOVEMENTS (3). *Prerequisite: HUM 100.* Analysis of a major historical movement from a humanistic perspective, i.e., Classical Period, The Age of Reason, The Age of Revolution, The Age of Uncertainty, The Copernican Revolution, etc. Three hours of lecture per week.

** A list of single discipline course offerings in the several departments that are applicable to the program may be obtained from the program coordinator or any of the cooperating departments.

HUM 314 KEY ISSUES (3). *Prerequisite: HUM 100.* Analysis of major contemporary issues from a humanistic point of view. Examples include the role of the arts in society; culture and technology; mass media in society; church and state separation, etc. Three hours of lecture per week.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

HUM 510 PERSPECTIVES IN THE HUMANITIES (3). *Prerequisites: Introductory level courses in Art, History, Literature, Music, and Philosophy are recommended.* A graduate level introduction to the Humanities touching on concepts and interpretations of Art, History, Literature, Music, and Philosophy. Three hours of lecture per week.

HUM 520 SEMINAR IN ART (3).* *Prerequisites: Courses in art history and appreciation are recommended.* An in-depth study of such subjects as a single artist, a period, or a movement or theme in art history. Student should have a sufficient background in art vocabulary and concepts to participate. Three hours of seminar per week.

HUM 521 SEMINAR IN HISTORY (3).* *Prerequisite: Prior experience in history courses is recommended.* An analysis of the historical background of selected topics in various civilizations, including the image created by the historical literature on those topics. Three hours of seminar per week.

HUM 522 SEMINAR IN LITERATURE (3).* *Prerequisites: Courses in literary interpretation and history are recommended.* Advanced work in a variety of topics in American, British, and/or Non-Western literature; assumes a working knowledge of the basic concepts and vocabulary of the discipline. Three hours of seminar per week.

HUM 523 SEMINAR IN MUSIC (3).* *Prerequisites: Courses in music history, theory, and appreciation are recommended.* Advanced work in a variety of topics including study of a period, a cluster of composers, a movement, or music of a single country. Three hours of seminar per week.

HUM 524 SEMINAR IN PHILOSOPHY/RELIGIOUS STUDIES (3).* *Prerequisites: Previous courses in philosophy are recommended.* Offers advanced work in a variety of topics such as the work of individual philosophers, or specific problems of epistemology or metaphysics. Assumes working knowledge of the basic vocabulary and concepts of the discipline. Three hours of seminar per week.

HUM 526 SEMINAR IN INTERDISCIPLINARY STUDIES (3).* *Prerequisite: HUM 510 is recommended.* Advanced work in a variety of topics attempting to relate several of the Humanities disciplines. Topics such as language and mind, individual and society, evolution of human culture may be covered. Three hours of seminar per week.

HUM 540 SEMINAR IN HISTORY: MOMENTS OF CRISIS (3).* *Prerequisites: Previous courses in history are recommended.* A study of mass, class, or individual behavior in moments of special stress or radical historical, intellectual, political, or economic change. Three hours of seminar per week.

HUM 580 THE HUMANITIES: A SYNTHESIS (3). *Prerequisites: Courses in the various areas of humanities are recommended.* An integrative seminar in the Humanities combining work in at least three disciplines; to be taken immediately prior to the Final Project (HUM 599). Three hours of seminar per week.

HUM 594 INDEPENDENT STUDY (3).* *Prerequisites: HUM 510 is required; Previous courses in the humanities are recommended.* A Special project involving original research or creative work. Also extensive reading in consultation with a faculty member.

HUM 599 FINAL PROJECT (3). *Prerequisites: HUM 580 or consent of instructor is required; Previous courses in the humanities are recommended.* An extended essay, thesis, or creative project related to the student's particular combination of humanities studies.

*Repeatable course.



HUMANITIES

EXTERNAL DEGREE PROGRAM

MASTER OF ARTS

FACULTY

Don Lewis (Philosophy and Religious Studies), Program Coordinator

John Auld (History), Marshall Bialosky (Music), Hansonia Caldwell (Music), William Hagan (Philosophy and Religious Studies), Arthur Harshman (Art), Howard Holter (History), Louise Ivers (Art), Noreen Larinde (Art), Michael Mahon (Literature), Hal Marienthal (Theatre Arts), Abe Ravitz (Literature), Porfirio Sanchez (Foreign Languages), Michael Shafer (Literature), Lyle Smith (Literature), Frank Stricker (History), S. Glen White (Art), Agnes Yamada (Literature)

Loretta Edwards, Program Secretary
HFA A-342, (213) 516-3743

PROGRAM DESCRIPTION

The Humanities External Degree program provides a quality education at the master's level. The degree offers a broad interdisciplinary exposure to all of the areas of the humanities—history, literature, philosophy, music and art—and the establishment of an integrative perspective among them, with emphasis on their interrelating effects and influences. Students are provided with the opportunity to specialize in a particular discipline of the humanities, or in specific cultural thematic areas that could be traced across all of the humanistic disciplines. The degree is offered entirely on an external degree basis. This means that there is no residency requirement and that students can complete all of the coursework without coming on campus. This kind of program is best for anyone who is unable to regularly attend classes on a campus and/or anyone who prefers an individualized approach to advanced education rather than traditional classroom courses on college campuses.

FEATURES

The Humanities External Degree program offers a fully accredited degree with no classroom attendance. The master's degree is earned by completing courses that have been predesigned and packaged by CSU Dominguez Hills humanities professors and by designing and completing your own faculty-guided independent studies. Since the Humanities External Degree program is self-supporting, there is a \$110 per semester unit tuition fee charged regardless of residence.

The Humanities External Degree program has been in existence since 1974 and has had students residing in all fifty states as well as many foreign countries, performing the function of a university "without walls."

ACADEMIC ADVISEMENT

The Humanities External Degree office is in HFA A-342. Information by phone can be obtained by calling (213) 516-3743.

PREPARATION

A bachelor of arts or science degree from a regionally accredited college or university with a GPA of 2.5 is required for acceptance into the M.A. program.

MAJOR REQUIREMENTS - M.A. (30 units)

Admission Requirements

1. File with the Humanities External Degree Office an application for admission to the program and send official transcripts to the Office of Admissions on campus. An application and brochure describing the program in greater detail may be requested from the Humanities External Degree Office (HFA A342; Telephone (213) 516-3743).
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 60 upper-division semester units (90 quarter units) of college work attempted (not including extension units).

Graduation Requirements

1. 30 semester units, completing either Curriculum A or Curriculum B (see below for details of each curriculum).
2. At least 15 semester units must be graduate (500-level) courses.
3. Not less than 21 semester units completed in the program. At the discretion of the program coordinator, a maximum of nine (9) semester units of post-baccalaureate work may be transferred into the humanities master of arts program.
4. An overall grade point average of 3.00 or better.
5. Passing grade on the humanities master of arts "Advancement to Candidacy" Examination, which is taken after 16 semester units in the program have been completed.

REQUIREMENTS FOR CURRICULUM A (30 units)

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. HUX 501. Defining the Humanities: History (2)
- HUX 502. Defining the Humanities: Literature (2)
- HUX 503. Defining the Humanities: Music (2)
- HUX 504. Defining the Humanities: Art (2)
- HUX 505. Defining the Humanities: Philosophy (2)

Phase II: Studies in the Humanities (15-18 units)

A. Category 1: Interdisciplinary courses (9 units)

Select three courses from the following:

- HUX 440. Evolution of Human Culture (3)
- HUX 441. The Rational Perspective (3)
- HUX 442. The Para-rational Perspective (3)
- HUX 443. The Autonomous Individual (3)
- HUX 444. The Individual and Society (3)
- HUX 445. The Non-Western World (3)
- HUX 446. Alienation, Estrangement and Subcultures (3)
- HUX 447. World Religious Perspectives (3)
- HUX 448. Values and Morality in Twentieth Century Thought (3)
- HUX 594. Independent Study in Interdisciplinary Topics (3)+

B. Category 2: Disciplinary Courses (6-9 units)

Select from the following two or three courses in different disciplines:

- HUX 450. Key Individuals, Art: Frank Lloyd Wright (3)
- HUX 451. Key Individuals, Music: Beethoven (3)
- HUX 452. Key Individuals, Philosophy: Rousseau (3)
- HUX 453. Key Individuals, Literature: Hemingway and Faulkner (3)
- HUX 454. Key Individuals, History: Carnegie, Rockefeller, Ford (3)
- HUX 456. Nobel Laureates: Studies in Modern World Literature (3)
- HUX 470. Key Periods and Movements, Art: Contemporary (3)
- HUX 471. Key Periods and Movements, Music: Baroque (3)
- HUX 472. Key Periods and Movements, Philosophy: The Biblical Movement (3)
- HUX 473. Key Periods and Movements, Literature: Archetypal Criticism (3)
- HUX 474. Key Periods and Movements, History: The Age of Revolution (3)
- HUX 594. Independent Study in Literature (3)+
- HUX 594. Independent Study in History (3)+
- HUX 594. Independent Study in Philosophy (3)+
- HUX 594. Independent Study in Music (3)+
- HUX 594. Independent Study in Art (3)+

Phase III: Final Project (2-6 units)

A. Choose one of the following:

- HUX 599. Final Project: Thesis (4-6)+
- HUX 599. Final Project: Extended Essay (4-6)+
- HUX 599. Final Project: Creative Project (4-6)+

Electives: Additional courses (electives) must be taken if final project does not give student a total of 30 units. These units may include courses in the Humanities Encounters series (HUX 420-424).

At least 15 units must be graduate level (500 level or above).

REQUIREMENTS FOR CURRICULUM B (30 units)

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:

- HUX 501. Defining the Humanities: History (2)
- HUX 502. Defining the Humanities: Literature (2)
- HUX 503. Defining the Humanities: Music (2)
- HUX 504. Defining the Humanities: Art (2)
- HUX 505. Defining the Humanities: Philosophy (2)

Phase II: Studies in the Humanities with a single Discipline Emphasis (18-21 units)

A. Category 1: Study in a Single Discipline (12 units)

Select four courses in the same discipline from the following:

- HUX 450. Key Individuals, Art: Frank Lloyd Wright (3)
- HUX 451. Key Individuals, Music: Beethoven (3)
- HUX 452. Key Individuals, Philosophy: Rousseau (3)
- HUX 453. Key Individuals, Literature: Hemingway and Faulkner (3)
- HUX 454. Key Individuals, History: Carnegie, Rockefeller and Ford (3)
- HUX 456. Nobel Laureates: Studies in Modern World Literature (3)

+Consult course description for prerequisite(s).

- HUX 470. Key Periods and Movements, Art: Contemporary (3)
 HUX 471. Key Periods and Movements, Music: Baroque (3)
 HUX 472. Key Periods and Movements, Philosophy: Biblical Movement (3)
 HUX 473. Key Periods and Movements, Literature: Archetypal Criticism (3)
 HUX 474. Key Periods and Movements, History: The Age of Revolution (3)
 HUX 594. Independent Study in Literature (3)+
 HUX 594. Independent Study in History (3)+
 HUX 594. Independent Study in Philosophy (3)+
 HUX 594. Independent Study in Music (3)+
 HUX 594. Independent Study in Art (3)+

B. Category 2: Study in Related Disciplines (6-9 units)

Select from the following two or three courses in at least two different disciplines from the major discipline (Category 1).

- HUX 440. Evolution of Human Culture (3)
 HUX 441. The Rational Perspective (3)
 HUX 442. The Para-Rational Perspective (3)
 HUX 443. The Autonomous Individual (3)
 HUX 444. The Individual and Society (3)
 HUX 445. Non-Western World (3)
 HUX 446. Alienation, Estrangement and Sub-Cultures (3)
 HUX 447. World Religious Perspectives (3)
 HUX 448. Values and Morality in Twentieth Century Thought (3)
 HUX 450. Key Individuals, Art: Frank Lloyd Wright (3)
 HUX 451. Key Individuals, Music: Beethoven (3)
 HUX 452. Key Individuals, Philosophy: Rousseau (3)
 HUX 453. Key Individuals, Literature: Hemingway and Faulkner (3)
 HUX 454. Key Individuals, History: Carnegie, Rockefeller and Ford (3)
 HUX 456. Nobel Laureates: Studies in Modern World Literature (3)
 HUX 470. Key Periods and Movements, Art: Contemporary (3)
 HUX 471. Key Periods and Movements, Music: Baroque (3)
 HUX 472. Key Periods and Movements, Philosophy: Biblical Movement (3)
 HUX 473. Key Periods and Movements, Literature: Archetypal Criticism (3)
 HUX 474. Key Periods and Movements, History: The Age of Revolution (3)
 HUX 594. Independent Study in Literature (3)+
 HUX 594. Independent Study in History (3)+
 HUX 594. Independent Study in Philosophy (3)+
 HUX 594. Independent Study in Music (3)+
 HUX 594. Independent Study in Art (3)+
 HUX 594. Independent Study in Interdisciplinary Topics (3)+

Phase III: Final Project (2-6 units)

A. Choose one of the following:

- HUX 599. Final Project: Thesis (4-6)+
 HUX 599. Final Project: Extended Essay (4-6)+
 HUX 599. Final Project: Creative Project (4-6)+

Electives: Additional courses (electives) must be taken if final project does not give student a total of 30 units. These units may include courses in the Humanities Encounters series (HUX 420-424).

At least 15 units must be graduate level (500 level or above).

COURSE OFFERINGS IN HUMANITIES EXTERNAL PROGRAM Upper Division

HUX 420 HUMANITIES ENCOUNTER: ART (2,3). Visitation to three local museums to examine their architecture and collections. Open to non-local students by special arrangement.

HUX 421 HUMANITIES ENCOUNTER: THE LIVING THEATRE (2,3). How to recognize, appreciate and evaluate a variety of dramatic experiences.

HUX 422 HUMANITIES ENCOUNTER: CONCERT MUSIC (2,3). Attendance and analysis of several concerts representing the general categories of symphonic, vocal and chamber music. Open to non-local students by special arrangement.

HUX 423 HUMANITIES ENCOUNTER: HISTORY (2,3). Exploring the historical roots of one's own community. Open to non-local students by special arrangement.

HUX 424 HUMANITIES ENCOUNTER: FILM (2,3). Watching and analyzing several movies with special focus on the techniques and content of the medium.

HUX 440 EVOLUTION OF HUMAN CULTURE (3). An examination of the nature of 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.

HUX 441 THE RATIONAL PERSPECTIVE (3). 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.

HUX 442 THE PARA-RATIONAL PERSPECTIVE (3). Interdisciplinary exploration of non-rational alternatives in modern culture, focusing on the non-logical, the visionary, and the religious/mystical.

HUX 443 THE AUTONOMOUS INDIVIDUAL (3). Interdisciplinary study of the nature of the creative act, including the following: the artist's vision of self; the defenses of personalism; notions of aesthetics; and abstract or symbolic thought.

HUX 444 THE INDIVIDUAL AND SOCIETY (3). 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.

HUX 445 THE NON-WESTERN WORLD (3). Interdisciplinary examination of the non-western world by focusing on cultural characteristics of Japan.

HUX 446 ALIENATION, ESTRANGEMENT AND SUBCULTURES (3). Survey of the elements and historical implications of alienation and examination of subcultures as they exist in America. Readings from social Philosophy as well as from Chicano and Afro-American studies.

HUX 447 WORLD RELIGIOUS PERSPECTIVES (3). Survey of ancient and modern religious systems, focusing upon an exploration of the general characteristics of religious beliefs.

HUX 448 VALUES AND MORALITY IN TWENTIETH CENTURY THOUGHT (3). Examination of values and morality in modern culture against a backdrop of seemingly amoral scientific and technological progress.

HUX 450 KEY INDIVIDUALS, ART: FRANK LLOYD WRIGHT (3). Intensive study of the major buildings and architectural influence of Frank Lloyd Wright.

HUX 451 KEY INDIVIDUALS, MUSIC: BEETHOVEN (3). An examination of the life and music of Ludwig Van Beethoven; the ability to read music not required.

HUX 452 KEY INDIVIDUALS, PHILOSOPHY: ROUSSEAU (3).

An examination of the life, thought, and influence of Rousseau, focusing on several recurrent themes: Self-other, rational-nonrational, classic-romantic, dependence-independence, democracy-totalitarianism.

HUX 453 KEY INDIVIDUALS, LITERATURE: HEMINGWAY AND FAULKNER (3).

An examination of the major works and influence of two modern American authors, Ernest Hemingway and William Faulkner.

HUX 454 KEY INDIVIDUALS, HISTORY: CARNEGIE, ROCKEFELLER, AND FORD (3).

Rise of American Industrial capitalism, viewed through the activities of three business giants, and the course of American economic history to the present, with special emphasis on World War I and the Great Depression.

HUX 456 NOBEL LAUREATES: STUDIES IN MODERN WORLD LITERATURE (3).

Examination of representative major works by recent Nobel Laureates whose art epitomizes diverse cultural, literary, and social viewpoints. Authors include Mann, Pirandello, Camus, Kawabata, Solzhenitsyn, Neruda and Bellow.

HUX 470 KEY PERIODS AND MOVEMENTS, ART: CONTEMPORARY (3).

Exploration of the 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.

HUX 471 KEY PERIODS AND MOVEMENTS, MUSIC: BAROQUE (3).

Examination of Baroque music and the period in Western Europe (1600-1750) during which it evolved. The ability to read music not required.

HUX 472 KEY PERIODS AND MOVEMENTS, PHILOSOPHY: THE BIBLICAL MOVEMENT (3).

Examination of modern scholarship on the Bible and its impact on Christianity; analysis of three types of Bible interpretation: Fundamentalism, liberalism and humanism.

HUX 473 KEY PERIODS AND MOVEMENTS, LITERATURE: ARCHETYPAL CRITICISM (3).

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.

HUX 474 KEY PERIODS AND MOVEMENTS, HISTORY: THE AGE OF REVOLUTION (3).

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.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

HUX 501 DEFINING THE HUMANITIES: HISTORY (2). Advanced study of the nature of history through examination of the Bolshevik Revolution.

HUX 502 DEFINING THE HUMANITIES: LITERATURE (2). Advanced study of the nature of literature by examination of images of self in selected poems and novels.

HUX 503 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.

HUX 504 DEFINING THE HUMANITIES: ART (2). Advanced study of key concepts in art by focusing on aesthetics and art theory.

HUX 505 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.

HUX 594 INDEPENDENT STUDY (3).* *Prerequisites: Consent of instructor and program coordinator.* Individually designed faculty-guided study of a topic in literature, history, philosophy, music, art, and interdisciplinary topics.

HUX 599 FINAL PROJECT (2-6). *Prerequisites: Completion of Phases I and II and consent of instructor and program coordinator.* An individually planned project based on coursework taken in the program and involving basic research in a single discipline or on an interdisciplinary topic.

*Repeatable course.



INTERDISCIPLINARY STUDIES

BACHELOR OF ARTS

Civilizations Concentration
 Environmental Studies Concentration
 PACE
 Human Studies Concentration
 Science, Technology and Society Concentration

MINORS

Civilizations
 Human Studies
 Science, Technology and Society
 Thematic Project

FACULTY

Linda Pomerantz, Coordinator

David Brest, David Heifetz, Joyce Johnson, Noreen Larinde,
 Frank Stricker

Marilyn Brady, Department Secretary
 SCC E-173, (213) 516-3649

PROGRAM DESCRIPTION

Interdisciplinary Studies requires the completion of an Area of Concentration, which unlike traditional majors, does not contain a list of required and elective courses. Rather, students work with an Interdisciplinary Studies mentor to build their individual program of studies. Each of the Areas of Concentration provides a structural framework that defines the types and numbers of courses which may be chosen to develop the major. Appropriate courses may be chosen from departments throughout the university as well as from the Interdisciplinary Studies course offerings. Similarly, the minor also is designed for the individual student using Interdisciplinary Studies and other appropriate courses.

FEATURES

Interdisciplinary Studies (formerly the Small College) was established in 1972 to provide alternative programs and courses in undergraduate Liberal Arts and Sciences. Interdisciplinary Studies offers students alternative majors (called Areas of Concentration), and alternative minors through coursework or through the thematic project. All Interdisciplinary Studies programs are tailored to fit the individual needs of each student through the assistance of an Interdisciplinary Studies faculty mentor.

The concept of Interdisciplinary Studies is unique to CSU Dominguez Hills. It is the only program in the California State University system that, as stated above, allows students to pursue majors and/or minors which are individually designed within the Liberal Arts and Sciences. This allows students to choose courses from one of several departments throughout the campus. When combined with Interdisciplinary Studies courses, these courses will build an integrated major (or minor) that can provide special preparation for entrance into graduate or professional schools, or can help prepare for a particular area in the world of work.

Interdisciplinary Studies classes contain generally between 15 and 30 students and the instructors emphasize discussion and student participation.

Another feature of Interdisciplinary Studies not found in traditional programs is the Thematic Project. It allows students to develop a creative or research project of significant scope that leads to an evaluable product. Students have used this opportunity to carry out such diverse projects as writing a novel, apprenticing in

England to study construction of early musical instruments, producing films and video productions, and reporting on the education of immigrant children in the Los Angeles area. A Thematic Project may be used to meet the requirement for a minor or a student may use elective units to develop an intensive study in an area of interest.

PROGRAM FOR ADULT COLLEGE EDUCATION (PACE)

PACE is designed to assist students who must work full time while trying to complete their college educations. The program, which exists in various forms at colleges and universities throughout the country, recognizes that increasing numbers of adults are returning to school for intellectual growth, personal development and enhanced career opportunities. PACE students at California State University, Dominguez Hills usually have completed most of their lower division requirements when they enter the program. They are highly motivated people with limited amounts of time to allocate to their education and thus want to make the best use of that time.

The PACE program consists, in part, of an academic major in Interdisciplinary Studies, an academic minor chosen by the student and any other courses necessary to complete the bachelor's degree. The other part of the program consists of a strong support base of academic advisors, counsellors and administrators who understand the needs and concerns of the working adult student and help them to complete their studies in an efficient and educationally rich manner. Courses are scheduled in blocks, at times and locations convenient to the full-time working adult. Faculty members are chosen who appreciate the special challenges presented to these students as they pursue their educations. PACE students are given assistance in integrating their courses of study with their work, family and social obligations. The course scheduling and advising are designed to allow PACE students to finish the junior and senior year requirements for the degree in five to six semesters rather than the four to five years that are typical for part-time students.

ACADEMIC ADVISING

Interdisciplinary Studies provides each student with an Interdisciplinary Studies mentor, a person who will assist the student in choosing classes, in defining a direction for the program of studies, and in coping with problems associated with both traditional and non-traditional areas of university life. A mentor is a current faculty member who is teaching regularly in Interdisciplinary Studies. The mentor will usually have special interest and expertise in the areas that coincide with the goals of each advised student. An Interdisciplinary Studies mentor will expect to meet with each of his or her students at least once each semester to discuss progress-to-date and to plan the next semester's course of study. Students are encouraged to see their mentors more often during the school year as problems, concerns and new ideas arise.

PREPARATION

Interdisciplinary Studies allows students to design their own majors and minors; it is open to all students who are admitted to the University. Students who find that the regular programs of the campus do not meet their specific needs should contact the Interdisciplinary Studies Office for an appointment with an Interdisciplinary Studies mentor.

CAREER POSSIBILITIES

Interdisciplinary Studies provides one of the best modes for students who are not in one of the "professional studies" areas to prepare for a career following graduation. Throughout the design of the individual program, the student and his/her mentor will discuss "after college" plans. If it is determined that it will be necessary for the student to pursue an advanced degree (master's degree, law degree, doctoral program), then the most appropriate undergraduate courses for entrance into and success in that graduate program will be built into the undergraduate major. In other cases, a student may wish to add one or more professional courses to his/her Interdisciplinary Studies program to prepare for a particular career field to be entered upon completion of the bachelor's degree. In all cases, the ultimate use of the

undergraduate degree earned from CSU Dominguez Hills through Interdisciplinary Studies will be constantly assessed during the development of that degree so that the student is as fully prepared as possible to enter a career directly or to continue his/her education in graduate school. As future needs are discovered, the mentor will assist the student in choosing appropriate courses, internships or other undergraduate preparations to meet those needs.

Graduates from the Interdisciplinary Studies Program successfully have completed law school, have careers in teaching, counseling, personnel management and computer engineering. While the majority of graduates continue their educations in graduate or professional schools, many have opened their own successful businesses or have taken positions of their choice in all areas of commerce, industry and the arts.

MAJOR REQUIREMENTS - BA (33 units)

The Interdisciplinary Studies major requires that a student choose an Area of Concentration that is analogous to a concentration or option within a traditional major. Each Area of Concentration consists of a minimum of 33 semester units that are grouped in a unique structure.

Common to each of the Area of Concentration's is the following:

There must be a minimum of 24 semester units of upper division course work, except for the Area of Concentration in General Studies, which requires a minimum of 27 units of upper division course work;

A minimum of 12 semester units of courses used to fulfill the Area of Concentration must be appropriate Interdisciplinary Studies courses;

A minimum of 15 units of course work must be completed after the student has entered the Interdisciplinary Studies program and has agreed on the Area of Concentration with his/her Interdisciplinary Studies mentor except for the Area of Concentration in General Studies, which requires a minimum of 18 units;

A grade of "C" or better is required for all courses used to complete an Interdisciplinary Studies Area of Concentration; and prior to the final approval of the Area of Concentration, the student must develop a brief essay explaining the thematic rationale for his/her Field of Emphasis within the Area of Concentration. The completed program is then reviewed by the core faculty of Interdisciplinary Studies who must approve the program before it is submitted to meet graduation requirements.

Area of Concentration in Civilizations (33 units)

Field of Emphasis

Twenty-one semester units are chosen by the student, with the assistance of a faculty mentor. These courses form a closely related cluster or sequence of courses that cross the lines of several disciplines. The field of emphasis provides an interdisciplinary study of the thought and institutions of one or more cultures from one or more time period.

Related Field

Twelve semester units of courses, which relate to the Field of Emphasis, are chosen by the student with the assistance of a faculty mentor. "Related" is defined in any defensible way. For instance, it can be an area similar to the Field of Emphasis, but from a different focus, a different culture or time period, or from a comparative perspective.

Area of Concentration in Environmental Studies (33 units)

Background Courses

At least 12 semester units of appropriate courses are chosen from the natural and social sciences which provide a basis for the successful completion of courses in the Field of Emphasis.

Perspectives in Science

At least six semester units are chosen from courses that are concerned with the impact, history or philosophy of science.

Field of Emphasis

Building upon the structure of the background courses, at least 15 semester units of upper division courses are chosen that form a cohesive field of study involving the scientific, technological and/or social aspects of an environmental issue.

It should be noted that appropriate upper division courses for this Area of Concentration may require additional prerequisites that must be taken in addition to the courses in the background courses.

PACE (33 units)

Thirty-three semester units are chosen from the Liberal Arts and Sciences with a minimum of nine (9) semester units selected from each of three main areas of humanities, social sciences and natural sciences.

Field of Emphasis

At least 15 semester units used to complete the Area of Concentration in General Studies must be chosen to form an integrated, thematic focus.

Because of the less structured nature of this Area of Concentration, students must complete a minimum of 27 units of upper division course work and must complete a minimum of 18 units of course work after the student has been assigned a mentor for advisement.

Area of Concentration in Human Studies (33 units)**Background Courses**

A minimum of six (6) semester units, from at least two different areas, of METHODOLOGY courses;

A minimum of six (6) semester units, from at least two different areas, of THEORY courses; and

From zero (0) to six (6) semester units of courses designated as TOPICS courses, as required, to bring the total number of units in the Area of Concentration to 33 semester units.

Field of Emphasis

Fifteen to 21 semester units to form an integrated, thematic focus within the area of Human Studies, are chosen with the assistance of an Interdisciplinary Studies mentor.

Area of Concentration in Science, Technology and Society (33 units)**Background Courses**

At least 12 semester units of appropriate courses are chosen from the natural and social sciences, which provide a basis for the successful completion of courses in the Field of Emphasis.

Perspectives in Science

At least six (6) semester units are chosen from courses that are concerned with the impact, history or philosophy of science.

Field of Emphasis

At least 15 semester units of upper division courses are chosen to form a cohesive field of study designed to develop an understanding of the relationship between science/technology and society.

It should be noted that appropriate upper division courses for this Area of Concentration may require additional prerequisites that must be taken in addition to the courses in the background courses.

MINOR REQUIREMENTS

Interdisciplinary Studies offers three minors plus a Thematic Project, which may serve in lieu of a required minor. All minors require a minimum of 15 semester units, at least six (6) units of which must be from Interdisciplinary Studies Courses, and at least 12 units of which must be upper division. As with Interdisciplinary Studies Areas of Concentration, students must develop a brief essay that explains the thematic rationale used to develop the minor. Each student's minor is reviewed and approved by Interdisciplinary Studies core faculty prior to submission to meet graduation requirements.

At least three of the courses (9 units) used by the student to complete the minor must be taken after the student has chosen the minor and has been advised by an Interdisciplinary Studies mentor.

A grade of "C" or better is required for all courses used in Interdisciplinary Studies minors.

Minor in Civilizations (15 units)

The minor in civilizations consists of a minimum of 15 semester units that allow the student to study the development of ideas and institutions of Western Civilization or of a non-Western culture.

Minor in Human Studies (15 units)

The minor in human studies consists of a minimum of 15 semester units of courses, which must include at least three (3) semester units of METHODOLOGY and three (3) semester units of THEORY courses. At least 12 units of the minor must form an integrated theme in an appropriate area relevant to Human Studies.

Minor in Science, Technology and Society (15 units)

The minor in science, technology and society consists of a minimum of 15 semester units of courses, which must include at least one course dealing with the impact, philosophy or history of science and/or technology. At least 12 units must form an integrated theme in an area relevant to the relationship of science and/or technology with society. In some cases, it may be necessary to take additional courses that are prerequisite to upper division science courses chosen to complete the minor.

Thematic Project (15 units)

The Thematic Project is an individually-designed and substantial body of work on a particular theme that leads to the production of an evaluable product (such as a research paper of publishable quality, a film, a dramatic production). The Thematic Project normally consists of four parts.

1. The Proposal (One (1) semester unit)
2. Course work as needed (variable unit requirement)
3. Fieldwork/Research (variable unit requirement)
4. Final Product (variable unit requirement)

Each project is individually designed by the student and his/her Thematic Project Advisor. The Thematic Project Proposal is reviewed and ultimately approved by a Thematic Project Committee.

COURSE OFFERINGS IN INTERDISCIPLINARY STUDIES

IDS 006 INTENSIVE WRITING SKILLS WORKSHOP (3).* An individualized, self-study program in the basic skills of English Composition, emphasizing the construction of sound sentences and paragraphs and requiring journal writing, in-class essays and one longer essay. Each student will work on appropriate modules in the Learning Assistance Center. CR/NC grading. Three hours of lecture per week.

IDS 107 WRITING ADJUNCT (2).* *Prerequisite: Pass EPT or equivalent.* Individualized instruction in expository writing taught in conjunction with papers assigned in other courses. Individual tutorial sessions and classroom lectures and workshops are employed. CR/NC grading. One hour of lecture per week.

IDS 110 GENERAL STUDIES IN BASIC SKILLS (3). An interdisciplinary General Studies offering which, using various topics, will draw from the perspectives of logic, rhetoric, history of ideas and philosophy to evaluate and use arguments and evidence to systematically develop skills in critical reasoning. A-C/NC grading. Three hours of lecture per week.

IDS 255 LANGUAGE AND METHODS OF SCIENCE (3). *Prerequisite: Completion of General Studies science and math courses. An interdisciplinary course designed to prepare students, at a level beyond General Studies, to take upper-division courses in Interdisciplinary Studies majors.* Topics include scientific nomenclature, graphs and charts and operational mathematics. Three hours of lecture per week.

Upper Division

IDS 320 INTERDISCIPLINARY TOPICS IN HUMAN STUDIES (3).* Provides an in-depth study of a topic in human behavior and attitudes. The topic will be examined using interdisciplinary perspectives. Examples of topics will include class and careers, immigration and cultural impact and poverty. Three hours of seminar per week.

IDS 326 PERSPECTIVES IN HUMAN STUDIES (3).* Special Topic Course using non-standard times and/or days to explore issues in the history of ideas and institutions.

IDS 330 INTERDISCIPLINARY TOPICS IN CIVILIZATIONS (3).* Provides 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 relevant to the topic. Sample topics include archetypal patterns in literature and history of modern thought.

IDS 336 PERSPECTIVES IN CIVILIZATIONS (3). Special Topic Course using non-standard times and/or days to explore issues in the history of ideas and institutions.

IDS 340 INTERDISCIPLINARY PERSPECTIVES (3).* *Prerequisite: Upper division status.* A combination of formal lecture and supervised activities which will allow students to gain insights into various contemporary issues. Analytical and research skills emphasized. Consult the Interdisciplinary Studies catalog each semester for full descriptions of topics offered. Two hours of lecture and two hours of activity.

IDS 350 INTERDISCIPLINARY TOPICS IN SCIENCE, TECHNOLOGY AND SOCIETY (3).* *Prerequisite: Lower division General Studies science courses.* Provides 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. Topics include energy, perception, scientific reasoning. Three hours of seminar per week.

IDS 360 SPECIAL STUDIES IN CIVILIZATIONS (1-3).* *Prerequisite: Upper division status and permission of instructor.* This course will investigate one or more special topics in Western and/or Non-Western civilizations. Instruction will usually include off-campus activity such as, but not limited to, foreign travel.

IDS 380 PORTFOLIO PREPARATION (1). *Prerequisite: Completion of 30 units in residence prior to assessment.* Supervised preparation of a Portfolio to Assess Prior Learning. CR/NC grading.

IDS 382 ASSESSMENT OF PRIOR LEARNING (1-11).* *Prerequisite: Completion of 30 units in residence prior to assessment.* Evaluation of Portfolio of Prior Learning. Prior learning is evaluated for credit by faculty experts in various departments. Credit may be used as elective units or, on approval of Department Chair, as part of requirements for a major or a minor. CR/NC grading.

IDS 397 WRITING ADJUNCT (2).* *Prerequisite: ENG 100 and ENG 101 or IDS 107.* Individualized instruction in expository writing taught in conjunction with papers assigned in other courses. Individual tutorial sessions and classroom lectures and workshops are employed. CR/NC grading. One hour of lecture per week.

IDS 398 WRITING ADJUNCT (COMPETENCY CERTIFICATION). (2). *Prerequisite: IDS 397.* Individualized instruction in expository writing taught in conjunction with papers assigned in other courses. Individual tutorial sessions and classroom lectures and workshops are employed. In-class essay writing and Cooperative Essay Exam. CR/NC grading. One hour of lecture per week.

IDS 407 PEER TUTORING IN WRITING (1-2).* *Prerequisites: IDS 107, IDS 397, and IDS 398.* Supervised tutoring in the Writing Adjunct program. Open to students who have completed Writing Adjunct and who have passed a screening procedure. CR/NC grading.

IDS 408 PEER TUTORING IN PSYCHOLOGY (2).* *Prerequisites: PSY 101 and PSY 242.* Supervised tutoring in psychology. Students will be available two hours per week to tutor. Tutors will write several reaction papers for evaluation purposes. CR/NC grading.

IDS 491 THEMATIC PROJECT: PROPOSAL (1). *Prerequisite: Consent of instructor.* Supervised development of a proposal which describes the Thematic Project. Proposal will define a problem, outline means to solve problem and describe the final product resulting from the project. Completed proposal contain advisor's justification and will be approved by committee. CR/NC grading.

IDS 492 THEMATIC PROJECT: FIELDWORK/RESEARCH (1,2,4).* *Prerequisite: Consent of instructor.* Supervised activity in fieldwork and/or research necessary to carry through a thematic project.

IDS 493 THEMATIC PROJECT: FINAL PRODUCT (1,2,4).* *Prerequisite: Consent of instructor.* Supervised activity in preparation of the final product necessary to carry through a thematic project.

IDS 494 INDEPENDENT STUDY (2,3).* Independent pursuit of a topic or project which is proposed by the student. Study must be interdisciplinary and must be approved, in advance, by faculty member supervising study.



LABOR STUDIES

BACHELOR OF ARTS

MINOR

CERTIFICATE

FACULTY

Members of the interdepartmental Labor Studies Committee

Frank Stricker, Program Coordinator

David Churchman, José Cuervo, Joanna Dunklee, Leonard Moite, Linda Pomerantz, John Quicker

Program Office
SBS A-336, (213) 516-3641

PROGRAM DESCRIPTION

In 1977, the Labor Studies Program was developed at CSU Dominguez Hills to provide Southern California with the only state-supported bachelor of arts program in this field. Our program was designed with the assistance of state and local labor leaders and was coordinated with labor studies programs at nearby community colleges. Labor Studies is a relatively new academic field. It focuses upon all aspects of working life from the point of view of workers. Emphasis is placed on understanding the labor movement as it relates to historical, economic and social issues of the twentieth century. The Labor Studies Program offers a major, a minor and a certificate program.

FEATURES

Besides being unique in Southern California, the CSU Dominguez Hills Labor Studies Program offers students a wide variety of courses taught by professors in a range of different disciplines.

Labor Studies is an interdepartmental program, which means that along with specialized courses in labor studies, students also take related classes in fields such as history, sociology and economics. The student will acquire a good liberal arts education, as well as an education in the more practical aspects of labor studies. Frequently such courses as LBR 412, Labor Law, are taught by labor lawyers and unionists who are currently involved in the workplace.

EVENING PROGRAM

Every effort is made to schedule courses in the evening and on weekends.

ACADEMIC ADVISEMENT

The faculty members comprising the Labor Studies Committee are available for advising students. Students should first contact the coordinator of the Labor Studies Program for either counsel or direction to someone with the expertise to assist them. It is particularly important for a Labor Studies major to seek advice from a faculty member regarding the two different concentrations that may be followed for the B.A. degree. Early in a student's career at CSU Dominguez Hills he/she should establish a relationship with an advisor who can help provide continuity during his/her college years.

PREPARATION

Students coming from high school must meet the California State University requirements for admission to CSU Dominguez Hills. Otherwise, students do not need to have taken any specific courses for a prospective major in Labor Studies.

It is recommended that community college transfer students complete as many CSU Dominguez Hills general studies requirements as possible before entering the Labor Studies Program. If the community college from which students transfer has a labor studies program, it would be useful to have taken an introductory course in this field that could transfer as the equivalent to Labor

in the American Social System (LBR 200), at CSU Dominguez Hills. However, students are not required to have taken any labor studies courses prior to enrolling at CSU Dominguez Hills.

CAREER POSSIBILITIES

Careers for labor studies majors can be found within the labor movement and in private and public sector organizations that deal with labor relations. Many of the labor studies students are union officers or staff members seeking wider background knowledge for their current or future positions. A number of these students plan careers in the personnel and industrial relations divisions of corporations. Others wish to become professional mediators or arbitrators. Besides the careers typically sought by labor studies majors, a student also might consider a B.A. in Labor Studies as a background for teaching, labor journalism, or labor law.

STUDENT ORGANIZATIONS

Labor Studies Club

Students interested in the field can participate in the Labor Studies Club, which organizes discussions and forums on current topics, holds social events and advises faculty and students on aspects of the program.

MAJOR REQUIREMENTS - BA (30 units)

The major consists of 30 semester units. There are two patterns of concentration for the major from which to choose.

A. Required courses (6 units)

LBR 200. Labor in the American Social System (3)
LBR 490. Seminar in Labor Studies (3)

B. Core courses (12 units)

Select four of the following

ANT 346. Anthropology of Work (3)
ECO 330. Labor Economics (3)+
HIS 348. Labor in American Society (3)
LBR 412. Labor Law (3)
PSY 372. Industrial and Organizational Psychology (3)
SOC 315. Sociology of Work (3)

C. Concentration. Select one of the two concentrations (12 units):

1. Concentration I (12 units)

Choose two courses from following:

LBR 411. Contracts and Negotiations (3)
LBR 495. Special Topics in Labor Studies (3)
PUB 315. Labor-Management Relations in Government (3)
SOC 327. Union Structures (3)

and

Choose two courses from following:

LBR 496. Practicum in Labor Studies (3)+
ACC 230. Financial Accounting (3)
COM 300. Organizational Communications (3)
HIS 300. Research and Writing Skills (3) or
SOC 300. Writing Skills in Sociology (3)
COM 365. Introduction to Public Relations (3)

2. Concentration II (12 units)

Twelve units in courses related to labor studies organized around a theme such as "labor and political economy," "labor and social movements," or "labor and culture." No more than six units should be taken in any one department. You may include no more than three units of independent study.

MINOR REQUIREMENTS (15 units)

LBR 200. Labor in the American Social System (3)
LBR 412. Labor Law (3) or
ECO 330. Labor Economics (3)+
SOC 315. Sociology of Work (3) or
ANT 346. Anthropology of Work (3)
HIS 348. Labor in American Society (3) or
LBR 490. Seminar in Labor Studies (3)
LBR 411. Contracts and Negotiations (3) or
PUB 315. Labor-Management Relations in Government (3)

CERTIFICATE REQUIREMENTS (24 units)

Students may earn a Certificate in Labor Studies upon completion of the eight three-unit courses listed below. Students may receive a Certificate in Labor Studies while completing the Labor Studies major, or without any particular degree objective or with a degree objective in another field.

LBR 200. Labor in the American Social System (3)
LBR 411. Contracts and Negotiations (3)
LBR 412. Labor Law (3)
ECO 330. Labor Economics (3)+ or
PUB 315. Labor-Management Relations in Government (3)
HIS 348. Labor in American Society (3) or
LBR 496. Practicum in Labor Studies (3)+ or
LBR 490. Seminar in Labor Studies (3)
ANT 346. Anthropology of Work (3) or
SOC 315. Sociology of Work (3)
PSY 372. Industrial and Organizational Psychology (3) or
SOC 327. Union Structures (3)

COURSE OFFERINGS IN LABOR STUDIES Lower Division

LBR 200 LABOR IN THE AMERICAN SOCIAL SYSTEM (3). 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. Three hours of lecture per week.

Upper Division

LBR 411 CONTRACTS AND NEGOTIATIONS (3). *Prerequisite: LBR 200 is recommended.* 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. Three hours of lecture per week.

LBR 412 LABOR LAW (3). *Prerequisite: LBR 200 is recommended.* Legal history of the American labor movement. Survey of federal and state laws regulating employment, collective bargaining, contract clauses, arbitration, collective actions, lock-outs, unfair labor practices and fair employment practices. Three hours of lecture per week.

LBR 490 SEMINAR IN LABOR STUDIES (3). *Prerequisite: Senior standing or consent of instructor.* 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. Three hours of seminar per week.

LBR 495 SPECIAL TOPICS IN LABOR STUDIES (3). * *Prerequisite: LBR 200 is recommended.* 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). Three hours of lecture per week.

LBR 496 PRACTICUM IN LABOR STUDIES (3). * *Prerequisite: Consent of instructor is required; LBR 200 is recommended.* Directed field research or supervised internship. Training and research in the practice and policies of a labor organization or labor-related governmental agency.



LIBERAL STUDIES

BACHELOR OF ARTS Liberal Studies

FACULTY

Mimi Frank, Coordinator

Liberal Studies Committee:

Edward Bryan, José Cuervo, Judson Grenier, George Jennings, Donald Lewis, Deborah Sears, Lynette Turman, Theodore Will

Beverly Pickett, Secretary
HFA C-308, (213) 516-3832

PROGRAM DESCRIPTION

The liberal studies major is an interdisciplinary major designed primarily for students who intend to become teachers in elementary school. It is the approved waiver program for the Multiple Subject Teaching Credential under the California credential law (the Ryan Act). Students preparing to teach in Spanish bilingual classrooms will want to choose the Bilingual Spanish concentration.

Courses in this major are drawn from the various departments within the liberal arts and sciences. This program provides the student with personalized attention and smaller classes with outstanding instructors.

ACADEMIC ADVISEMENT

Students who have declared a liberal studies major must see an advisor during each semester. Advisors are available daily in the Liberal Studies Office, but call 516-3832 to confirm a particular time. In addition to program and professional advisement, skilled advisors will refer the student to other needed student services. To determine transferability of their courses, students may wish to consult the Liberal Studies coordinator.

Students should very carefully choose their General Studies courses since many of them "double count" for Liberal Studies. However, majors should NOT take the PHY 100, CHE 102, or EAR 100 since special physical science courses (PHY 106 & 108) have been designed for them.

An advising tape for Liberal studies majors has been prepared, and all new students should make an appointment with Ms. Pickett to view it since it explains the Liberal Studies program. In addition, a Liberal Studies Handbook has been prepared, which may be picked up at the Liberal Studies Office.

All liberal studies majors intending to pursue teaching careers should take the practice CBEST as soon as possible in their academic programs. The Learning Assistance Center offers the practice test free of charge to all enrolled students and also provides referrals and guidance to students once they have taken the test. Only after passing the practice CBEST should students consider taking the official CBEST exam. In addition to the practice CBEST, teaching track liberal studies majors should also fit the teacher education prerequisite courses (for admission to the Student Teaching Program) into their schedules. Both TED 304 and TED 305 should be taken early in the student's academic program. (See the Education—Teacher Education section of the catalog for specific course prerequisites and course descriptions.)

PREPARATION

High school students will be best prepared by following the university requirements for college entrance. Students who are transferring from community college should contact an advisor either at CSU Dominguez Hills or at their community college in order to register for courses that may be used in the major.

CAREER POSSIBILITIES

In addition to offering a valuable experience in higher education, the liberal studies program can help students prepare for a career or profession. This program provides the diversified degree appropriate for completing undergraduate requirements for a Multiple Subjects Teaching Credential. This major waives the requirement for the National Teacher's Examination Core Battery. Also, the liberal studies program can be a valuable foundation for professional training in law, library science, business and other career fields of public service.

OVERALL PROGRAM STRUCTURE

There are two tracks in liberal studies - the teaching track and the non-teaching track. The non-teaching track majors should consult with the liberal studies coordinator to determine specific coursework required. The teaching track program consists of two parts:

I. Core

Students will take specific courses and electives in each of five areas—21 units in English, grammar, literature, composition and speech; 18 units in science, mathematics and technology; 18 units in social and behavioral sciences; 21 units in humanities and fine arts; and 6 units in human development. These courses have been chosen to provide a strong subject matter basis for the program.

II. The Concentration

Students are expected to study one subject or area in depth, thus providing a concentration within the liberal studies major. To do this, students may choose any minor from the liberal arts and sciences, or any approved concentration (see below), or construct a concentration with the approval of their advisor. Students interested in obtaining Single Subject certification or Supplementary Authorization to their Multiple Subject Credential can use the concentration for this purpose. However, the primary reason for the concentration is to provide liberal studies students with the pedagogical benefits obtained from pursuing the subject or area in depth.

**MAJOR REQUIREMENTS - BA
(96-97 units)****Single Field Major - no minor required**

All courses in this major must be passed with a grade of "C" or better with the exception of ENG 350 which must be passed with a minimum grade of "B".

AREA I - Language (21 units)

- ENG 314. English Syntax (3)
- ENG 350. Advanced Composition (min grade B) (3) or
IDS 397 and 398. Writing Adjunct (2, 2)
- ENG 486. Studies in Language and Literature (TESL) (3) or
SPA 435. A Sociolinguistic Approach to Mexican-American Dialect (3)
- THE 120. Fundamentals of Speech (2)
- ENG 308. Critical Approaches to Children's Literature (3)

English Elective I (3) (can be a lower division or upper division literature course)

English Elective II (3) (ENG 307 or other upper division literature course)

AREA II - Mathematics and Science (18 units)

- SMT 310. Science and Technology (3) or
SMT 312. Natural Processes and Human Welfare (3) or
SMT 314. Introduction to Cosmology (3)
- PHY 106. Physical Science I (3)**
- PHY 108. Physical Science II (3)**

- MAT 107. Foundations of the Real Number System (3)
- MAT 207. Fundamentals of Geometry (3)
- BIO 102. General Biology (3)

AREA III - Social and Behavioral Sciences (18 units)

- HIS 110. The Western World: The Classical Foundation or
HIS 111. The Western World: Modern Experience (3)
- HIS 301. Individual, Family and Community in Historical Perspective (3) or
POL 360. American Constitutional Law: Distribution of Power (3) or
POL 361. American Constitutional Law: Civil Rights (3)
- GEO 360. North America (3) or
ECO 315. American Economic History (3)
- ANT 312. Language and Culture (3) or
ANT 335. Comparative Cultures (3) or
ANT 389. Transmission of Culture (3) or
SOC 331. Minority Racial Ethnic Relations (3) or
SOC 310. Social Stratification (3)

Social Science Elective I (3) (can be lower division or upper division course)

Social Science Elective II (3) (must be upper division course)

AREA IV - Humanities and Fine Arts (21 units)

- PHI 120. Critical Reasoning (3) or
PSY 110. Critical Thinking and Problem Solving
- ART 100. Looking at Art (3) or
ART 101. Experiencing Creative Art (3) or
ART 110. Introduction to Western Art I (3) or
ART 111. Introduction to Western Art II (3)
- MUS 101. Introducing Music (3) or
DAN 130. Dance Perceptions (3)

Choose two courses:

- THE 337. Creative Dramatics (3)
- MUS 340. Music for Children (3) or
Mus 440. Introduction to Orff Schulwerk (3)
- ART 301. Arts and Crafts for the Non-Major (3)

Humanities and Fine Arts Elective I (3) (can be lower division or upper division course)

Humanities and Fine Arts Elective II (3) (must be upper division course)

AREA V - Human Development (6 units)

- PED 425. Physical Education in the Elementary School (3)
- PSY 350. Developmental Psychology (3)

CONCENTRATION (12 upper division units)

Each student must choose either a minor or one of the following concentrations:

- African American Studies
- Art
- Anthropology
- Dance
- English
- Health
- History
- Human Biology
- Mexican American Studies
- Music
- Natural Sciences
- Philosophy
- Physical Education
- Political Science
- Psychology
- Recreation
- Sociology
- Spanish - bilingual

LIBRARY

Betty Blackman, Dean, University Library

Lillie Cottrell, Secretary
ERC D-407 (213) 516-3700

FACULTY

E. Kenneth Bennett, Cecilia M. Chen, Gail F. Cook, Joanna E. Dunklee, Ellen K. Gerry, Naomi O. Moy, Jacquelyn Sundstrand, James Sudalnik

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 OFFERINGS

Lower Division

LIB 150 LIBRARY SKILLS AND STRATEGIES(2). Designed to acquaint students with the use of academic libraries. Practical exercises will develop skills for effectively utilizing library resources to fulfill research needs. Recommended for all students. One hour of lecture and two hours of activity per week.

Upper Division

LIB 495 SPECIAL TOPICS IN LIBRARY RESEARCH (1). *Prerequisite: Consent of Instructor.* In-depth study of information retrieval in a particular format or discipline, e.g. government documents, on-line databases, business resources. One hour of lecture per week.





LINGUISTICS

MAJOR

(see entry under English: Language and Linguistics option)

MINOR

SINGLE SUBJECT WAIVER PROGRAM

(see entry under English section)

FACULTY

Burckhard Mohr, Linguistics Committee Chair

Caroline Duncan-Rose, and additional faculty members from cooperating departments

HFA B-337, (213) 516-3938

PROGRAM DESCRIPTION

Linguistics, the study of language, has been called "the most scientific of the humanities and the most humane of the sciences." It thus provides an excellent focus for the liberal arts and sciences, as well as a foundation for further study and application in such areas as language development, disorders and remediation; elementary, secondary and adult education; foreign languages and literatures; anthropology, philosophy, psychology and sociology. The Linguistics Program offers a series of courses and seminars designed to enable the student to pursue an in-depth investigation of language as a human characteristic and the foundation of all human interaction and culture. The range of courses also enables students to meet requirements for admission to academic and professional programs in general and applied linguistics. In the Linguistics Program, the student proceeds from introductory courses in phonetics/phonology, morphology and syntax, through intermediate courses in linguistic analysis, to more advanced courses in linguistic theory and the senior Seminar in Linguistics. Elective courses are available in psycholinguistics, sociolinguistics, historical linguistics, and the history, development, and structure of English and other languages.

ACADEMIC ADVISEMENT

Because of the sequential nature of linguistics courses and seminars, it is imperative that students consult one of the faculty members in linguistics for advising as early in their academic careers as possible, and at regular intervals thereafter.

PREPARATION

All students are encouraged to study one or more foreign languages in high school and throughout their undergraduate years.

High school students also are urged to have adequate preparation in English and in Mathematics/Computer Science.

Community College transfer students are encouraged to take Introduction to Linguistics (or an equivalent course).

MINOR REQUIREMENTS (15 units)

Recommended Course

- LIN 100. Introduction to Language (3) or
ENG/FRE/SPA 310. The Study of Language (3)

Upper Division Requirements (15 units)

- ENG 311. Phonology (3)
ENG 312. Morphology (3)
ENG 314. Syntax (3)
ENG 420. Linguistic Analysis (3)
LIN 490. Seminar in Linguistics (3)+

COURSE OFFERINGS IN LINGUISTICS

Lower Division

LIN 100 INTRODUCTION TO LANGUAGE (3). An overview of current knowledge about human language: its structure and function, its cultural and social environment, its universality, and its relationship to other aspects of human knowledge and behavior. Designed as a General Studies course in the Humanities especially for students not majoring in a foreign language. Three hours of lecture per week.

LIN 294 INDEPENDENT STUDY IN A FOREIGN LANGUAGE I (3).* *Prerequisites: Consent of instructor and chair of Linguistics or Foreign Languages.* Beginning/intermediate individual study and/or credit by examination in a foreign language not regularly offered on campus. Arrangements must be made in advance of registration.

Upper Division

LIN 490 SEMINAR IN LINGUISTICS (3).* *Prerequisites: Senior standing and consent of instructor.* Investigations in the historical and/or theoretical foundations of modern linguistics. Three hours of seminar per week.

LIN 494 INDEPENDENT STUDY IN A FOREIGN LANGUAGE II (3).* *Prerequisites: Consent of instructor and chair of Linguistics or Foreign Languages; LIN 294 or equivalent.* Intermediate or advanced individual study or credit by examination in a foreign language not regularly offered on campus. Arrangements must be made in advance of registration.

LIN 497 DIRECTED READING IN LINGUISTICS (1-3).* *Prerequisites: Consent of instructor and department chair.* Extensive reading in an area of general or applied linguistics.

LIN 498 DIRECTED RESEARCH IN LINGUISTICS (3).* *Prerequisites: Consent of instructor and department chair.* Original or participatory research in an area of general or applied linguistics. Arrangements must be made in advance of registration.

Graduate

Graduate standing or consent of the program coordinator is prerequisite to enrollment in graduate (500 level) courses.

LIN 594 INDEPENDENT STUDY IN A FOREIGN LANGUAGE III (3).* *Prerequisites: Graduate standing, consent of instructor and chair of Linguistics or Foreign Languages; LIN 494 or equivalent.* Advanced individual study and/or credit by examination in a foreign language not regularly offered on campus. Arrangements must be made in advance of registration.

LIN 597 DIRECTED READING IN LINGUISTICS (1-3).* *Prerequisites: Graduate standing, consent of instructor and program coordinator.* Extensive reading in an area of general or applied linguistics.

LIN 598 DIRECTED RESEARCH IN LINGUISTICS (3).* *Prerequisites: Graduate standing, consent of instructor and program coordinator.* Original or participatory research in an area of general or applied linguistics. Arrangements must be made in advance of registration.

+Consult course description for prerequisite(s).
*Repeatable course.



MARRIAGE, FAMILY, AND CHILD COUNSELING

MASTER OF SCIENCE

FACULTY

Members of the Marriage, Family, and Child Counseling Advisory Committee

Hal Charnofsky, Program Coordinator

Art Bohart, Fumiko Hosokawa, M. Milo Milfs, G. Peter Paulhe,

Social and Behavioral Sciences Graduate Programs Office
SBS B-334, (213) 516-3435

PROGRAM DESCRIPTION

The master of science degree in Marriage, Family and Child Counseling utilizes the faculty in three disciplines, including the behavioral sciences, 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 also will prepare students to take the examination for the M.F.C.C. license offered by the Board of Behavioral Science Examiners of the State of California.

This two year-degree program will complement extensive academic classroom experiences in the study of theories and techniques of marriage, family and child counseling with practical, supervised traineeship aimed at satisfying 500 or more of 3,000 hours required prior to eligibility for the licensing examination.

FEATURES

The master of science in Marriage, Family and Child Counseling at CSU Dominguez Hills is the only publicly supported program of its kind in Southern California, offering a complete evening course of study to accommodate those who work full-or part-time.

ACADEMIC ADVISEMENT

The coordinator of the Marriage, Family and Child Counseling Program acts as academic advisor for students currently enrolled as well as for those inquiring about the program. All faculty members on the M.F.C.C. Advisory Committee, however, are both prepared and pleased to do academic advisement when contacted. The coordinator maintains up-to-date information on licensure requirements established by the Board of Behavioral Science Examiners of the State of California.

PREPARATION

Students need not have been an undergraduate psychology or sociology major to qualify for admission to the Marriage, Family and Child Counseling Program, but certain prerequisite courses are required. They include: a) Statistics b) Research Methods c) Abnormal Psychology d) Developmental Psychology e) Sociology of the Family.

Admissions Requirements and Procedures

To qualify for admission to the program students must have a) completed both the Graduate Record Examination Aptitude Test and the Advanced Test in either psychology or sociology; 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 60 semester units of work undertaken as a student.

Those meeting the minimum requirements will be asked to submit written statements about themselves, their backgrounds, interests and experiences. These statements will be reviewed by

an admissions committee, which will then interview qualified candidates.

The admissions committee is composed of faculty members from the Behavioral Science Graduate Program, the Department of Psychology, the Department of Sociology and the coordinator of the M.F.C.C. program.

In addition to the above, if students are admitted into the M.F.C.C. Program, they will be required to take the Graduation Writing Examination (GWE) and score at least eight (8), or take one of the undergraduate certifying courses at CSU Dominguez Hills and make at least a grade of "B". Normally, M.F.C.C. students will take the exam prior to the end of their first semester (fall semester) in the program. In any case, students must either pass the exam or the course by the end of their first year in the program or be subject to disqualification.

Requirements for Classified Standing

Students must become classified in the master of science Marriage, Family and Child Counseling Program in order to continue into the second year. To become classified, students must complete 21 graduate units of course work with a G.P.A. of 3.0 or better within two semesters after admission to the program and must include the M.F.C.C. core courses listed below:

- MFC 570. Theories of Marriage, Family, and Child Counseling (3)
- MFC 572. Techniques of Marriage, Family and Child Counseling (3)
- MFC 596. Internship/Practicum for Marriage, Family, and Child Counseling (taken two times) (3,3)

Continuation in the M.F.C.C. program beyond the first year may depend upon a positive evaluation of the individual's counseling skills by a faculty committee made up of selected professors teaching in the program and the coordinator, as well as peer evaluations and self-evaluations.

Requirements for Advancement to Candidacy

Candidacy status denotes successful completion of a significant portion of a student's graduate program (36 semester units) and allows the student to take the written qualifying examination. It includes a positive review of all graduate work by the coordinator.

MAJOR REQUIREMENTS - MS (54 units)

The master of science in Marriage, Family and Child Counseling requires completion of 54 units of course work with a minimum 3.0 grade point average. A model unit-load sequence looks like this:

	Fall Semester	Spring Semester		
1st year	12	15	=	27 units
2nd year	15	12	=	27 units
				54 units total

1. Thirty-six (36) units, distributed as follows:

One course from each of the following course categories will be required for successful completion of the program.

Theories of Marriage and Family Counseling:

- MFC 570. Theories of Marriage, Family and Child Counseling (3)

Applied Psychotherapeutic Techniques:

- MFC 572. Techniques of Marriage and Family Counseling: Adults and Children (3)

Communication:

- SOC 550. Seminar in Interaction Processes (3) or
- MFC 576. Studies in Human Communication (3)

Psychopathology:

- PSY 563. Seminar in Psychopathology (3)+

Human Growth and Development:

- PSY 550. Seminar in Developmental Psychology (3)+

Human Sexuality:

- MFC 574. Human Sexual Behavior (3)

Professional Ethics and Law:

- MFC 584. Legal and Ethical Aspects of Counseling (3)

Cross Cultural Mores and Values:

- MFC 580. Cross Cultural Family Values & Behavior (3) or
- SOC 560. Seminar in Sociology of Racial and Ethnic Relations (3)

Research Methods:

- PSY 535. Advanced Research Methods (3)+ or
- SOC 505. Seminar in Sociological Research (3)+ or
- BEH 501. Seminar in Research Design & Execution (3)+

Psychometrics:

- PSY 567. Individual Assessment (3)

Family Dynamics:

- SOC 518. Seminar in Marriage and the Family (3)+

Substance Abuse:

- SOC 563. Seminar in the Sociology of Drug and Alcohol Use (3)

2. Elective courses (6 units)

Any of the alternative choices listed above within a category may be used to satisfy total units required. Other choices may be made with prior approval of the program coordinator.

3. Practica (12 units)

- MFC 596. Practicum for Marriage, Family and Child Counseling (3) (All MFCC students must take MFC 596 each semester for four semesters.)

4. Completion of the following:

- A. Written qualifying exams (after advancement to candidacy)
- B. Final oral exam (after completion of written qualifying exams.)

COURSE OFFERINGS IN MARRIAGE, FAMILY, AND CHILD COUNSELING

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

MFC 570 THEORIES OF MARRIAGE, FAMILY, AND CHILD COUNSELING (3). Theory, research and practicum in the general areas of preparation for marriage, sex education, and the role of the child in the family. Part of core curriculum for MFCC students. Knowledge of the theories and skills in counseling evaluated. Three hours of seminar per week.

MFC 572 TECHNIQUES OF MARRIAGE AND FAMILY COUNSELING: ADULTS AND CHILDREN (3). Psychotherapeutic techniques in marriage and family counseling applied to treatment of adults and children. Practice in family therapy, crisis counseling and the various approaches to marital conflict resolution, including premarital and divorce counseling. Part of core curriculum for MFCC students. Counseling skills evaluated. Three hours of seminar per week.

MFC 574 HUMAN SEXUAL BEHAVIOR (3). Advanced study of the psychological, physiological and sociological aspects of human sexual behavior, with attention to the origin and treatment of sexual dysfunction in its environmental context. Required of MFCC students. Examinations and/or papers used in evaluation. Three hours of lecture per week.

MFC 576 STUDIES IN HUMAN COMMUNICATION (3). The processes of communication as these apply to both interpersonal and intrapersonal experience. Emphasis on the purposes of communication as well as the forms that are believed to enhance the conduct of counseling and psychotherapy. Exams and/or papers. Three hours of lecture per week.

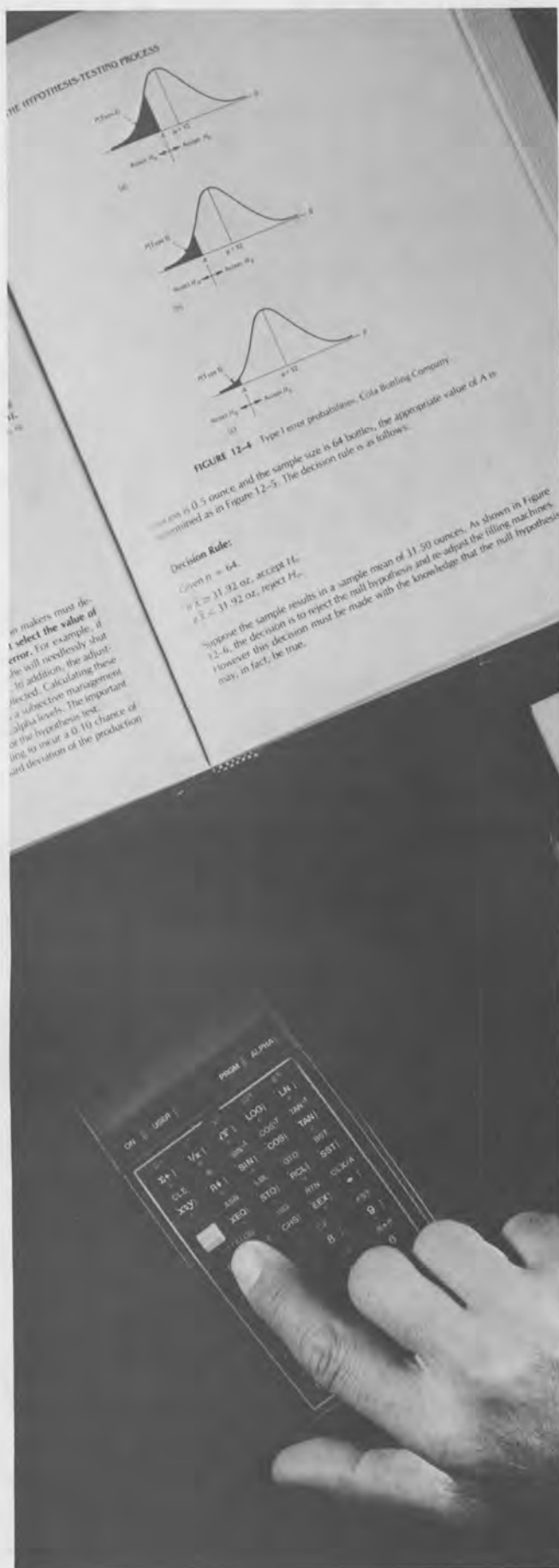
MFC 580 CROSS-CULTURAL FAMILY VALUES AND BEHAVIOR (3). Cultural factors affecting human behavior in complex societies. Emphasis upon the cultural behavior of the major ethnic groups in the United States as it relates to family organization and critical life choices. Required of MFCC students, or may substitute SOC 560, Seminar in the Sociology of Racial and Ethnic Relations. Three hours of lecture per week.

MFC 584 LEGAL AND ETHICAL ASPECTS OF COUNSELING (3). 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. Required of MFCC students. Three hours of lecture per week.

MFC 596 INTERNSHIP/PRACTICUM FOR MARRIAGE, FAMILY AND CHILD COUNSELING (3).* Students directed to appropriate agencies and centers to work as intern trainees within their chosen area of specialization. Weekly meetings scheduled with a faculty internship supervisor to assess student progress. Course must be repeated four semesters by MFCC students. CR/NC grading.

MFCC 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.

*Repeatable course.



MATHEMATICS

BACHELOR OF ARTS

MINOR

Mathematics
Actuarial Studies
Statistics

SINGLE SUBJECT WAIVER PROGRAM

FACULTY

Jackson Henry, Department Chair

William Armacost, Stephen Book, Frederic Brulois, Chi-lung Chang, William Gould, Garry Hart, George Jennings, Eunice Krinsky, Gordon Matthews (Emeritus), Frank Miles, Terence Shore, Douglas Tyler, Norman Wiegmann (Emeritus)

Tina Lee, Department Secretary

Irene Herrera, Clerical Assistant
NSM A-132, (213) 516-3378

PROGRAM DESCRIPTION

The CSU Dominguez Hills Mathematics Program offers students a selection of courses that will provide a sound basis for either graduate study or career opportunities in non-academic settings. In addition to courses that present the theoretical concepts of advanced mathematics, students will be able to take courses that will demonstrate the applications of these concepts as they apply to problems in the physical and life sciences, management, and the social sciences. The major is developed around a common core of five courses with an additional three elective courses chosen according to the student's interests. While completing the requirements for the major, students can easily fulfill the requirements for the Single Subject Waiver program if they wish to get a teaching credential in mathematics. In addition, the department offers specialized programs in Actuarial Studies and in Statistics which can be completed in the evening. As part of the General Studies program, the Mathematics Department offers courses that provide appreciation of the nature and usefulness of mathematics.

FEATURES

The most important feature of the Department Mathematics is its well-trained and active faculty. As students complete their bachelor's degree, they will have frequent opportunities to meet with their instructors who will be able to provide accurate and valuable advice and counseling concerning employment or admission to graduate school.

ACADEMIC ADVISING

The University requires that students meet with their advisor three times. However, the Mathematics Department requests that a student meet with his/her advisor more often, preferably at least once a term. Students probably will take more than one course from their advisor so they will have the opportunity to consult their advisor on matters other than course selection. The Department maintains a file on its majors, which includes academic information on the student and assists students in their selection of courses that are most appropriate to their academic and career interests.

PREPARATION

High school students should complete two years of algebra, a year of geometry, and a trigonometry course. In addition, students should take a mathematics course during their senior year.

Transfer students should complete the calculus sequence or as much of the calculus sequence as possible prior to transfer.

CAREER OPPORTUNITIES

The growing technological nature of society is creating an increasing demand for graduates of mathematics programs. The increasing need for mathematics teachers at all levels in educational institutions in the Los Angeles area is well known. As a result, many students take the mathematics courses necessary to complete the requirements necessary for a teaching credential. In addition, nearby engineering, aerospace and other industrial corporations continually seek mathematically trained employees for a variety of positions. A major in mathematics combined with course work in the physical sciences or in computer science will provide the skills necessary for entry-level employment. The actuarial studies and statistics minors develop specific skills necessary to begin work in industry or government in these specialized areas.

MAJOR REQUIREMENTS - BA (57 units)**Lower Division Requirements (33 units)**

Required Courses (18 units)

CSC 121. Introduction to Computer Science and Programming I (3) or

CSC 241. Higher Level Languages (3)

MAT 191. Calculus I (4)

MAT 193. Calculus II (4)

MAT 211. Calculus III (4)

MAT 213. Multivariable Calculus (3)

Three of the following courses (15 units)

CHE 110. General Chemistry I (5)

CHE 112. General Chemistry II (5)

PHY 130. General Physics I (5)

PHY 132. General Physics II (5)

Upper Division Requirements (24 units)

Required Courses (15 units)

MAT 311. Differential Equations (3)

MAT 331. Linear Algebra (3)

MAT 333. Abstract Algebra (3)

MAT 401. Advanced Analysis I (3)

MAT 403. Advanced Analysis II (3)

Electives (9 units) - Select 3 of the following courses. NOTE: A student may take MAT 351 and either MAT 353 or MAT 451.

MAT 337. Mathematical Logic (3)

MAT 347. Modern Geometry (3)

MAT 351. Probability Theory (3)

MAT 353. Stochastic Processes (3)+

MAT 411. Mathematical Modeling (3)

MAT 421. Complex Variables (3)

MAT 451. Mathematical Statistics (3)+

Electives (12 units)

Select any 4 courses from the following list

MAT 213. Multivariable Calculus (3)

MAT 311. Differential Equations (3)

MAT 331. Linear Algebra (3)

MAT 333. Abstract Algebra (3)

MAT 337. Mathematical Logic (3)

MAT 347. Modern Geometry (3)

MAT 351. Probability Theory (3)

MAT 353. Stochastic Processes (3)+

MAT 361. Finite Automata (3)+

MAT 367. Numerical Analysis I (3)+

MAT 369. Numerical Analysis II (3)+

MAT 401. Advanced Analysis I (3)+

MAT 403. Advanced Analysis II (3)+

MAT 411. Mathematical Modeling (3)+

MAT 421. Complex Variables (3)+

MAT 451. Mathematical Statistics (3)+

MINOR IN STATISTICS (26 units)**Lower Division Requirements (14 units)**

MAT 131. Elementary Statistics and Probability (3)

MAT 191. Calculus I (4)

MAT 193. Calculus II (4)

MAT 231. Statistical Analysis and Correlation (3)

Recommended: MAT 211. Calculus III (4)

Upper Division Requirements (12 units)

MAT 351. Probability Theory (3)

MAT 353. Stochastic Processes (3)

MAT 451. Mathematical Statistics (3)

and one elective chosen from:

MAT 411. Mathematical Modeling (3)+

QMS 423. Introduction to Operations Research (3)+

ECO 350. Quantitative Economic Analysis (3)+

ECO 351. Introduction to Econometrics (3)+

MINOR IN ACTUARIAL STUDIES (36 units)**Lower Division Requirements (21 units)**

MAT 131. Elementary Statistics and Probability (3)

MAT 231. Statistical Analysis and Correlation (3)

MAT 191. Calculus I (4)

MAT 193. Calculus II (4)

MAT 211. Calculus III (4)

ECO 211. Economic Theory 1B (Macroeconomics) (3)

Upper Division Requirements (15 units)

MAT 351. Probability Theory (3)

MAT 367. Numerical Analysis I (3)+

MAT 369. Numerical Analysis II (3)

MAT 411. Mathematical Modeling (3)

MAT 451. Mathematical Statistics (3)

MINOR REQUIREMENTS**MINOR IN MATHEMATICS (24 units)**

Required Courses (12 units)

MAT 191. Calculus I (4)

MAT 193. Calculus II (4)

MAT 211. Calculus III (4)

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM IN MATHEMATICS (46 units)

This is not a degree program. Students meeting the waiver program usually major in mathematics, but this is not necessary.

Lower Division Requirements (37 units)

- CHE 110. General Chemistry I (5)
- MAT 131. Elementary Statistics and Probability (3)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- MAT 211. Calculus III (4)
- MAT 261. Discrete Mathematics I (3)
- PHY 130. General Physics I (5)

Select one of the following courses:

- CSC 111. Introduction to Computers & BASIC Programming (3)
- CSC 121. Introduction to Computer Science & Programming I (3)+
- CSC 241. High Level Languages (3)

Upper Division Requirements (15 units)

Required Courses

- MAT 347. Modern Geometry (3)
- MAT 351. Probability Theory (3)
- MAT 495. Selected Topics in Mathematics: History of Mathematics (3)
- MAT 495. Selected Topics in Mathematics: Number Theory (3)

Select one of the following courses:

- MAT 331. Linear Algebra (3)
- MAT 333. Abstract Algebra (3)

COURSE OFFERINGS IN MATHEMATICS

A student must satisfy the ELM requirement prior to enrolling in any mathematics course other than MAT 003 or MAT 005.

Lower Division

MAT 003 BEGINNING ALGEBRA (3). Topics covered include integers and rational numbers, polynomials, factoring, integer exponents, linear equations in one unknown, rational expressions, and word problems. This course is appropriate for students needing a review in algebra and, in conjunction with MAT 005, can be used as a preparation for the ELM examination. Credit earned from this course will not count toward a Bachelor's degree. CR/NC grading. Three hours of lecture per week.

MAT 005 ELEMENTARY ALGEBRA AND GEOMETRY (3). Topics covered include quadratic equations, linear inequalities, systems of linear equations, graphs, square roots, geometry and more word problems. This course is appropriate for students needing a review in algebra and geometry and, in conjunction with MAT 003, can be used as a preparation for the ELM examination. Credit earned from this course will not count toward a Bachelor's degree. CR/NC grading. Three hours of lecture per week.

MAT 009 ALGEBRA (3). Prerequisites: MAT 005 or one year of high school algebra. Topics include polynomial equations, graphing, determinants, systems of equations, radical and exponential expressions, complex numbers, logarithmic expressions and calculations, progressions and series, the binomial theorem. Credit earned from this course will not count toward a Bachelor's degree. CR/NC grading. Three hours of lecture per week.

MAT 105 FINITE MATHEMATICS (3). Satisfies the Quantitative Reasoning requirement of the General Studies Program. Includes development and applications of the following topics: Combinatorics, Probability, Measures of Central Tendency, Mathematics of Finance, Linear Programming, Progressions, Series, Graph Theory, Problem Solving and Mathematical Reasoning. A-C/NC grading. Three hours of lecture per week.

MAT 107 FOUNDATIONS OF THE REAL NUMBER SYSTEM (3). Prerequisites: MAT 005 or one year of high school algebra is required; MAT 101 is recommended. Sets and set theoretic operations as related to counting numbers and rational numbers and arithmetic operations. Real number system and its origins, development, structure and use. Special emphasis on problem solving and the development and application of algorithms. Three hours of lecture per week.

MAT 109 ESSENTIALS OF MATH I (3). Set theory and its use in arithmetic, real number system and its properties, comparison of number systems, Number Theory, metric system. This course will develop the basis of arithmetic along with several related topics including measurement.

MAT 131 ELEMENTARY STATISTICS AND PROBABILITY (3). Prerequisite: MAT 005 or one year of high school algebra. A practical course in probability and statistics including such topics as the binomial and normal distributions, confidence intervals, t , F , and chi-square tests, linear regression and correlation, and conditional probability. Three hours of lecture per week.

MAT 151 PRE-CALCULUS MATHEMATICS (3). Prerequisite: MAT 009 or equivalent with a grade of C or better. Topics covered include the function concept, exponential and logarithmic functions, and plane trigonometry. Three hours of lecture per week.

MAT 171 SURVEY OF CALCULUS FOR MANAGEMENT AND LIFE SCIENCES I (4). Prerequisite: MAT 009 or equivalent with a grade of C or better. Not available for credit to students who have credit in MAT 191 or its equivalent or courses which have MAT 191 as a prerequisite. Functions, linear equations, the derivative and its applications, the integral and its applications, and partial derivatives. Four hours of lecture per week.

MAT 191 CALCULUS I (4). Prerequisite: MAT 151 or equivalent with a grade of C or better. Differential and integral calculus of one variable: limits, continuity, derivatives, applications of derivatives, integration, Fundamental Theorem of Calculus, applications of the integral, exponential and logarithmic functions. Elements of geometry as needed to develop the calculus. Four hours of lecture per week.

MAT 193 CALCULUS II (4). Prerequisite: MAT 191 or equivalent with a grade of C or better. Differentiation and integration of Trigonometric functions, techniques of integration, conic sections, polar coordinates, parametric equations, solid analytic geometry. Four hours of lecture per week.

MAT 207 FUNDAMENTALS OF GEOMETRY (3). Prerequisite: MAT 107 with a grade of C or better is required. Primarily for prospective elementary school teachers. Geometry from an intuitive problem solving standpoint. Constructions, symmetry, translations, rotations, patterns, area, volume, and the metric system. Topics from graph theory and topology. Two hours of lecture and two hours of activity per week.

MAT 211 CALCULUS III (4). Prerequisite: MAT 193 or equivalent with a grade of C or better. Calculus of several variables including partial differentiation, multiple integration, infinite series, differential equations. Four hours of lecture per week.

MAT 213 MULTIVARIABLE CALCULUS (3). Prerequisite: MAT 211 or equivalent with a grade of C or better. Topics covered include vector calculus, line and surface integrals, and the theorems of Green, Gauss, and Stokes. Three hours of lecture per week.

MAT 231 STATISTICAL ANALYSIS AND CORRELATION (3). *Prerequisite:* MAT 131 or equivalent with a grade of C or better. A practical course in advanced topics including curvilinear and multiple regression, partial and multiple correlation, analysis of variance, goodness-of-fit test, nonparametric statistics. Three hours of lecture per week.

MAT 261 DISCRETE MATHEMATICS I (3). *Prerequisites:* Programming experience and either MAT 173 or MAT 193 or equivalent with a grade of C or better. Set Theory, logic, Boolean algebra, graph theory, and matrix algebra, with applications to computers and computer programming. Three hours of lecture per week.

MAT 263 DISCRETE MATHEMATICS II (3). *Prerequisite:* MAT 261 or equivalent with a grade of C or better. A continuation of MAT 261 including probability, combinatorics, functions, and an introduction to formal languages. Three hours of lecture per week.

Upper Division

MAT 309 ESSENTIALS OF MATHEMATICS II (4). *Prerequisites:* MAT 109. Course develops the basis of geometry and includes topics such as: properties and measurement of geometric figures, the metric system, congruence and symmetry, coordinate geometry and graphing. Also included are combinatorics and an introduction to statistics.

MAT 311 DIFFERENTIAL EQUATIONS (3). *Prerequisite:* MAT 211 or equivalent with a grade of C or better. Topics covered include first and second order linear equations including existence and uniqueness theorems, series solutions; non-linear equations; systems of linear equations. Other topics may include the Laplace transform, qualitative theory. Three hours of lecture per week.

MAT 331 LINEAR ALGEBRA (3). *Prerequisite:* MAT 211 or equivalent with a grade of C or better. Linear equations, vector spaces, matrices, linear transformations, determinants, eigenvalues, eigenvectors, etc. Three hours of lecture per week.

MAT 333 ABSTRACT ALGEBRA (3). *Prerequisite:* MAT 211 or equivalent with a grade of C or better. The theory of groups, rings, ideals, integral domains, fields and related results. Three hours of lecture per week.

MAT 337 MATHEMATICAL LOGIC (3). *Prerequisite:* MAT 191 or equivalent with a grade of C or better. Topics covered include propositional calculus; classical and intuitionistic; completeness and consistency theorems; first order predicate calculus with equality; axiomatic arithmetic; Godel's incompleteness theorem. Three hours of lecture per week.

MAT 347 MODERN GEOMETRY (3). *Prerequisite:* MAT 211 or equivalent with a grade of C or better. Topics in synthetic and analytic geometry; transformations, similarity, congruence, distance, angles, constructions; introduction to projective and/or non-Euclidean geometry. Three hours of lecture per week.

MAT 351 PROBABILITY THEORY (3). *Prerequisite:* MAT 193 or equivalent with a grade of C or better. Probability as a mathematical system, set theory, conditional probability and independent events, random variables, distribution and density functions, covariance and correlation, limit theorems, convolutions, computer generation of random numbers. Three hours of lecture per week.

MAT 353 STOCHASTIC PROCESSES (3). *Prerequisite:* MAT 351 or equivalent with a grade of C or better. A selection from among several topics, including Markov chains; Markov processes; queuing, branching, Poisson, and Gaussian processes; stationary processes. Three hours of lecture per week.

MAT 361 FINITE AUTOMATA (3). *Prerequisite:* MAT 263 or equivalent with a grade of C or better. Study of the abstract formalization of digital computers. Applications to computation theory and formal linguistics. Three hours of lecture per week.

MAT 367 NUMERICAL ANALYSIS I (3). *Prerequisites:* Experience in BASIC, FORTRAN or Pascal and MAT 211 or equivalent with a grade of C or better. Approximation of roots of functions, interpolation formulas, numerical solutions of systems of equations, numerical differentiation and integration, numerical solutions to ordinary differential equations. Three hours of lecture per week.

MAT 369 NUMERICAL ANALYSIS II (3). *Prerequisite:* MAT 367 or equivalent with a grade of C or better. A continuation of MAT 367, including approximation of eigenvalues and eigenvectors, approximation by splines, numerical solutions of parabolic, elliptic, and hyperbolic partial differential equations. Three hours of lecture per week.

MAT 401 ADVANCED ANALYSIS I (3). *Prerequisite:* MAT 213 or equivalent with a grade of C or better. Elements of set theory, numerical sequences and series, continuity and differentiability of functions of one and several variables. Three hours of lecture per week.

MAT 403 ADVANCED ANALYSIS II (3). *Prerequisite:* MAT 401 or equivalent with a grade of C or better. Integration of functions of one and several variables, sequences and series of functions, uniform convergence, power series, differentiation of functions of several variables. Three hours of lecture per week.

MAT 411 MATHEMATICAL MODELING (3). *Prerequisites:* MAT 311 and MAT 331 or equivalents with a grade of C or better. Flexible course content depending on interest of instructor and students. Possible topics are: epidemic and predatory-prey models from differential equations; linear programming models; Arrow's theorem; and probability models. Three hours of lecture per week.

MAT 413 AN INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS (3). *Prerequisite:* MAT 311 with a grade of C or better is required; MAT 213 is recommended. Solutions to partial differential equations by separation of variables and Fourier series. Applications to heat flow and diffusion, wave motion, and potentials. Some discussion of existence and uniqueness of solutions. Three hours of lecture per week.

MAT 421 COMPLEX VARIABLES (3). *Prerequisite:* MAT 213 or equivalent with a grade of C or better. Complex numbers; point sets, sequences and mappings; analytic functions; elementary functions; integration; power series; the calculus of residues; and applications. Three hours of lecture per week.

MAT 451 MATHEMATICAL STATISTICS (3). *Prerequisite:* MAT 351 or equivalent with a grade of C or better. Sums of independent random variables; functions of random variables; chi-square, F, and t distributions; estimation of parameters; maximum-likelihood, unbiased, consistent, minimum-variance, and minimum-mean-square error estimators; confidence intervals; central limit theorem. Three hours of lecture per week.

MAT 495 SELECTED TOPICS IN MATHEMATICS (1-4).* *Prerequisites:* Consent of instructor and MAT 211. A course in a topic of special interest to both faculty and students for which no current course exists. Topic will be announced in schedule of classes. One to four hours of lecture per week.

*Repeatable course.



MEXICAN AMERICAN STUDIES

BACHELOR OF ARTS

MINOR

FACULTY

Members of the Mexican American Studies Committee

Miguel Dominguez, Director of the Mexican American Studies Program and Chair of the Mexican American Studies Committee

Raul Aceves, Max Contreras, Enrique Cortes, Eugene Garcia, Irene McKenna, Ben Pena, Leonard Poareo, Laura Robles, Raul Romero, Porfirio Sanchez, and a representative from M.E.Ch.A.

Additional faculty members from cooperating departments.

Department Office
HFA A340, (213) 516-3327

PROGRAM DESCRIPTION

The Mexican American Studies program at CSU Dominguez Hills is designed to provide students with an understanding of the historical, social, political and cultural patterns of the Mexican American (Chicano). Due to the importance of the Western and Southwestern states in demographic patterns of persons of Mexican descent, it is primarily regional in focus.

The Mexican American Studies program has course offerings that can lead to a major or a minor. The program is campus-wide and interdepartmental in nature and draws courses from the disciplines of anthropology, art, education, history, political science, psychology, sociology and Spanish. Additional courses are offered under the Mexican American Studies rubric, among which are an introductory course, and a research methods in the Chicano community course offering.

As an academic program Mexican American Studies is given direction by the Mexican American Studies committee and by the director of Mexican American Studies (who also serves as chair of the Mexican American Studies committee).

FEATURES

The major and minor in Mexican American Studies provide several distinct advantages to both minority and non-minority students by:

- 1) placing emphasis on heritage and culture;
- 2) promoting greater understanding and awareness of minority community needs and circumstances;
- 3) promoting greater appreciation of the contributions of minorities to the total development of the Southwestern United States;
- 4) training leaders, both inside and outside of minority communities, who are capable of working in minority affairs; and
- 5) assisting prospective teachers develop competencies in Mexican and Mexican American culture as required by the Bilingual Cross-Cultural Specialist Teaching Credential.

ACADEMIC ADVISEMENT

Students wishing to pursue a major or a minor in Mexican American Studies should come to the Mexican American Studies Office in order to be assigned an advisor. The Mexican American Studies Office is located in HFA A-340.

Information can be obtained by phone by calling (213) 516-3327 or 516-3315. Messages can be left by calling at (213) 516-3326.

PREPARATION

Although not required, both high school and community college students wishing to major or minor in Mexican American Studies are encouraged to take courses relating to the culture of the Mexican American. In particular, students are advised to study the Spanish language due to the fact that Spanish can serve as an extremely useful research tool in the study of the Chicano experience.

MAJOR REQUIREMENTS - BA (24 units)**Recommended Lower Division Electives**

- MAS 100. The Americas: European Cultural & Historical Synthesis (3)
SPA 105. Career Related Spanish I (3)

Upper Division Requirements (24 units)

- A. MAS 300. Introduction to Mexican-American Studies (3)
HIS 346. History of the Mexican-American People II (3)
PSY 380. Psychology of the Mexican-American I(3)
- B. Two courses selected from the following:
- ART 353. Art of California and the Southwest (3)+
MAS 497. Research Methods in the Chicano Community (3)
SPA 351. Contemporary Hispanic Culture: Spanish-Speaking America (3)+ (Sections identified in semester class schedules as Mexico and the Southwest)
SPA 352. Hispanic Culture: A Pluralistic Perspective (3)
SPA 380. Folk Songs and Dance in Hispanic Cultures (3)
SPA 435. A Sociolinguistic Approach to Mexican-American Dialect (3)
SPA 461. Lecturas Mexicanas y Mexico-Americanas (3)+
- C. Two courses from the following selected from different departments:
- ANT 333. Ancient Peoples of Central Mexico (3)
GED 420. Education of the Mexican-American and Hispanic Student (3)
HIS 341. California (3)
HIS 345. History of the Mexican-American People I (3)
HIS 368. Mexico: Colonial Period (3)
HIS 395. Special Topics in History (3) (as applicable)
SOC 335. Social Movements (Sections identified in semester class schedules as Chicano Experience or La Chicana) (3)
- D. MAS 490. Seminar in Mexican-American Studies (3)

MINOR REQUIREMENTS (15 units)**Recommended Lower Division Electives**

- MAS 100. The Americas: European Cultural & Historical Synthesis (3)
SPA 105. Career Related Spanish I (3)

Upper Division Requirements (15 units)

- A. MAS 300. Introduction to Mexican-American Studies (3)
HIS 346. History of the Mexican-American People II (3)
PSY 380. Psychology of the Mexican-American I (3)

B. One course selected from the following:

- ART 353. Art of California and the Southwest (3)+
MAS 490. Seminar in Mexican-American Studies (3)
MAS 497. Research Methods in the Chicano Community (3)
SPA 351. Contemporary Hispanic Culture: Spanish-Speaking America (3)+ (Sections identified in semester class schedules as Mexico and the Southwest)
SPA 352. Hispanic Culture: A Pluralistic Perspective (3)
SPA 380. Folk Songs and Dance in Hispanic Cultures (3)
SPA 435. A Sociolinguistic Approach to Mexican-American Dialect (3)
SPA 461. Lecturas Mexicanas y Mexico-Americanas (3)+

C. One course selected from the following:

- ANT 333. Ancient Peoples of Central Mexico (3)
GED 420. Education of the Mexican-American and Hispanic Student (3)
HIS 341. California (3)
HIS 345. History of the Mexican-American People I (3)
HIS 368. Mexico: Colonial Period (3)
HIS 395. Special Topics in History (3) (as applicable)
SOC 335. Social Movements (Sections identified in semester class schedules as Chicano Experience or La Chicana) (3)

**COURSE OFFERINGS
IN MEXICAN-AMERICAN STUDIES****Lower Division**

MAS 100 THE AMERICAS: EUROPEAN CULTURAL AND HISTORICAL SYNTHESIS (3). An in-depth study of the Mexican Indian and European peoples who created major New World mestizo culture that influences a significant portion of the Western Hemisphere today. Three hours of lecture per week.

Upper Division

MAS 300 INTRODUCTION TO MEXICAN-AMERICAN STUDIES (3). *Prerequisite:* MAS 100 is recommended. 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. Three hours of lecture per week.

MAS 490 SEMINAR IN MEXICAN-AMERICAN STUDIES (3). *Prerequisites:* Senior standing and consent of instructor or Program Director. Study of selected topics which provide a comprehensive understanding of the experience, contributions, and participation of Mexican-Americans in United States society. Three hours of seminar per week.

MAS 494 INDEPENDENT STUDY (1-3)*. *Prerequisite:* Consent of Program Director. 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.

MAS 497 RESEARCH METHODS IN THE CHICANO COMMUNITY (1-3). *Prerequisite:* MAS 100 is recommended. Supervised research experience in the Mexican-American community, including public and private agencies in education, social welfare, industry and the arts. Reviews basic techniques in research design with emphasis on measurement and social science techniques.



MILITARY SCIENCE

ARMY RESERVE OFFICER TRAINING CORPS (ROTC)

Classes taught on CSU Dominguez Hills and CSU Long Beach campuses

FACULTY

Lieutenant Colonel House, Professor of Military Science

Department Office
Industrial Technology Building
Room 213
CSU Long Beach
(213) 985-5766

FEATURES

The Army Reserve Officers Training Corps (AROTC) program offers leadership and management training to CSU Dominguez Hills students through the Department of Military Science at CSU Long Beach. The Department offers four-, three- and two-year programs leading to a commission as a Second Lieutenant in the U.S. Army, the Army Reserve, or the Army National Guard. To obtain this commission as an officer in the United States Army, qualified male and female students must successfully pass an aptitude test, physical examination, complete the AROTC program and concurrently receive or possess an undergraduate degree.

Students enrolled in the last two years of ROTC (Junior and Senior years) receive \$100 per month plus \$800 for a summer training program. Four-, three-, and two-year scholarships are available, which pay all tuition and fees, \$360 per month and the \$800 summer camp pay. Scholarships are based strictly on merit with academic performance and potential for success as an officer being the primary selection criteria. Financial condition is not considered.

The normal four-year program consists of the Basic and Advanced Courses. The Basic Course (Military Science I and Military Science II) is normally taken in the freshman and sophomore years, with no military obligation. The Basic Course consists of one course per semester plus leadership laboratory and is taught at CSU Dominguez Hills. The Advanced Course (Military Science III and Military Science IV) covers the final two years and includes a summer advanced camp with pay and travel expenses. Advanced Course classes are three units per semester and are currently taught only at the CSU Long Beach campus. Books and uniforms for all courses are loaned to the students at no cost.

The three-year program enables a student with three academic years remaining in college to accelerate a four-year program by taking two military science courses per term the first year plus one-hour weekly laboratory.

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

Veterans (including enlisted members of the Guard or Reserve) usually qualify to enter the Advanced Course without Basic Camp. They are eligible to receive the \$100 per month allowance as well as any veterans benefits to which they are entitled.

Students enrolled in AROTC are invited to join the Ranger Club, Color Guard, and the Cadet Association. These groups are very active and participate in numerous activities throughout California.

COURSE OFFERINGS IN MILITARY SCIENCE

Lower Division

Except for MIL 400, these courses are open to all CSU Dominguez Hills students but completing the courses does not constitute admission to the program. Admission to the program is under the control of the AROTC, not CSU Dominguez Hills

MIL 101 UNITED STATES DEFENSE ESTABLISHMENT (1). Examines the evolution of the Department of Defense and the military services with emphasis on the U.S. Army; the Constitutional foundations of the military; the military as an instrument of national policy and strategy; the Army's missions, organization.

MIL 103 BASIC MILITARY SURVIVAL SKILLS (1). Introduction to basic military field survival skills; emergency first aid; swimming survival training; physical readiness training; use of a compass; land navigation; map reading; hiking, camping, rope and rappelling skills.

MIL 211 INTRODUCTION TO MILITARY OPERATIONS AND BASIC TACTICS (1). Fundamentals of operations, and tactics employed in the U.S. Army; fire and maneuver, operations orders, patrolling; offensive and defensive operations.

MIL 212 BASIC PRINCIPLES OF SMALL UNIT LEADERSHIP (1). An overview of basic psychological principles related to military leadership; effective communication, individual motivation and development, human needs, power and influence, and introduction to management skills.

Upper Division

MIL 301 LEADERSHIP AND MANAGEMENT (3). *Prerequisites for Cadets: basic course or advanced placement.* There are no prerequisites for other students. Examines leadership theories and models their applicability for junior military officers. Emphasizes specific interpersonal skills; counseling, oral and written communications, supervision, coordination and decision-making.

MIL 302 LEADERSHIP AND MANAGEMENT II (3). *Prerequisite for Cadets: basic course or advanced placement.* There are no prerequisites for other students. Develops specific managerial skills required of junior military officers, including problem solving, planning and conducting training programs and implementing the military justice system.

MIL 400 PRACTICUM IN LEADERSHIP AND MANAGEMENT (3). *Prerequisite: Open only to cadets, permission of Professor of Military Science and enrollment in AROTC.* Intensive leadership and management training conducted at Fort Lewis, WA. Application of the theories and principles learned in the classroom to actual situations is provided.

MIL 411 U.S. MILITARY HISTORY (3). *Prerequisites for Cadets: basic course or advanced placement and MIL 301 and MIL 302.* No prerequisites for other students. Survey course in American military history from the origin of the U.S. Army to present; principles of war and their applications in U.S. military history, leadership and the U.S. military heritage.

MIL 412 OFFICERSHIP AND PROFESSIONALISM (3). *Prerequisites for Cadets: basic course or advanced placement and MIL 301 and MIL 302.* No prerequisites for other students. Examines the military profession and its responsibility to society; inquires into the morality of war, terrorism and other forms of armed conflict between nations; selected ethical theories and the Just War tradition are examined.

For further information on Army ROTC see section in the Student Life section of this catalog.



MUSIC

BACHELOR OF ARTS

Instrumental Performance Option
 Vocal Performance Option
 Conducting Option
 Theory and Composition Option
 Theory and History Option
 Music Education Option
 Audio Recording Option
 Electronic Music Synthesis Option

MINOR

Music
 Audio Recording and Music Synthesis

CERTIFICATES

Audio Recording and Music Synthesis
 Audio Technology

SINGLE SUBJECT WAIVER PROGRAM

(see entry under Music Education Option)

FACULTY

David Champion, Department Chair

Professors: Marshall Bialosky, David Bradfield, Hansonia Caldwell, Frances Steiner

Lecturers: Martha Brown, Lecturer in Music, (Music Appreciation, Music Education) B.M.E. Roosevelt University, M.A. Westann Michigan University, M.M.E. University of Kansas, D.M.A. University of Southern California; Carmen Buford, Lecturer in Music, (Afro-American Music, Music Appreciation) B.M., M.A. California State University, Dominguez Hills; Sally Etcheto, Lecturer in Music, (Voice, Music Theater, Vocal and Choral Techniques, Sacred Music, Music Appreciation) B.Mus.Ed. Southern Methodist University, M.M., D.M.A. University of Southern California School of Music; John Hill, Lecturer of Music, (Audio Recording, Music Production, Theory, Music Appreciation) Hon.B.M. Wilfrid Laurier University, M.Mus (Sound Recording) McGill University; Cecilia Riddell, Lecturer in Music, (Music for Children, Orff Schulwerk, Music Education). B.A. Pomona College, M.A.T. Mus. Ed. Harvard University; Delores Stevens, Lecturer in Music, (Piano, Music Theory, Interpretation of Music, Chamber Music). B.M. University of Kansas; Susan Stockhammer, Lecturer of Music, (Flute, Chamber Music, Music Theory, Music Appreciation, Musicianship, Instrumentation, Music History). B.S., M.S. Juilliard School of Music, D.M.A. University of Southern California School of Music;

Studio Teachers: Marshall Bialosky (Composition), M.M. Northwestern University; David Bradfield (Composition and Piano), M.M. North Texas State University; John Campbell (Bassoon); David Champion (Trumpet), M.A. Columbia University; Andrea F. Chrilov (Viola), M.M., Budapest School of Music; William Davila (Guitar), M.M. California State University, Los Angeles; Grace De La Cruz (Voice), Internationally Known Operatic Soprano; Sally Etcheto (Voice), D.M.A. University of Southern California; William Green (Saxophone), M.A. Los Angeles Conservatory of Music; Patrick Lavergne (String Bass), M.A. Louisiana State University; Michael Lefkowitz (Violin), M.M. Wayne State University, member of the Los Angeles Philharmonic Orchestra and well-known recitalist; Debra McKim (Woodwinds), M.M. University of Texas at Austin; Charles Seiler (Percussion), M.M. Southern Illinois University; Alan Solomon (Clarinet), M.M. California Arts Institute; Delores Stevens (Keyboard), B.M., University of Kansas, internationally known pianist; Diana Steiner (Violin), B.M. Curtis Institute of Music; Frances Steiner (Cello), D.M.A. University of Southern California; Susan Stockhammer (Flute), D.M.A. University of Southern California; Kathleen Robinson (oboe), B.M. University of

Southern California; Don Waldrop (Trombone, Tuba), M.M. Catholic University, D.C.; Robert Watt (French Horn), B.F.A. California Institute of the Arts, Member of the Los Angeles Philharmonic Orchestra.

Department Office
HFA A-332, (213) 516-3543

PROGRAM DESCRIPTION

Students majoring in music with an option in instrumental performance, vocal performance, conducting, theory and composition, or theory and history may minor in audio recording or electronic music synthesis. Students majoring in music with an option in audio recording, or electronic music synthesis may choose the minor in music. Note that students may not double-count a course for both a major and a minor within this department.

The option in music education also serves as a waiver for the National Teacher's Exam in music and is offered to students who wish to pursue the State of California Single-Subject Teaching Credential in Music. See the section of the Catalog on Teacher Education for additional requirements for the Credential.

Professional Certificates are offered in Audio Recording and Music Synthesis, and Audio Technology. Certificates provide theoretical and practical training and may be obtained with or apart from any regular degree program, major or minor. The Certificates can allow professional study without the normal liberal arts requirements of the degree programs.

A master of arts in humanities is offered by the School of Humanities and Fine Arts. It is possible to have an emphasis in music while broadening your knowledge in the other humanities subject areas such as art, foreign languages, history, literature, philosophy, theatre arts or religious studies.

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 experiences through the orchestra, band, chorus and chamber ensembles.
3. to provide each music student with a thorough knowledge of music history and theory in the Western tradition.
4. to provide music students with a solid grounding in the music of their own time through courses in modern music and electronic music.
5. to provide music students with career-oriented skills for use in the music industry.
6. to provide courses appropriate for the training of music teachers for studios and private and public schools.
7. to provide music courses both through the General Studies program and through electives that examine the relationship of music and society.

FEATURES

The music program at CSU Dominguez Hills, accredited by the National Association of Schools of Music, is distinguished by the wide range of possible experiences it offers the student: performance, composition, conducting, music history, world music, music for children, electronic music synthesis, audio recording, music for the theatre, jazz, popular and gospel, all combining to provide a rich and rewarding musical experience to the students who seek it.

The music program at CSU Dominguez Hills also is characterized by a close interaction between students and faculty. The size and quality of the department offers all of the advantages of a small, private university at a state supported university. Student recitals each semester give the faculty the opportunity to monitor the progress of each student. Small classes afford the faculty the opportunity to follow each student's development closely.

CSU Dominguez Hills is located in metropolitan Los Angeles, which affords a variety of music and cultural activities, including

the Hollywood area. Students are encouraged to attend concerts and recitals on campus and in the community. Los Angeles has an outstanding Symphony Orchestra, Chamber Orchestra and Musical Theatre. The Hollywood area contains a number of audio recording, television and film studios.

The Department of Music is housed in the Humanities and Fine Arts Building, which contains a Recital Hall, an Audio Recording and Music Synthesis complex of studios, a large rehearsal room for orchestra and band, theory and history classroom, piano classroom and a number of teaching studios. Practice rooms are available in the nearby Educational Resource Center. Musical events also are held in the 485-seat University Theatre.

The Department has an extensive collection of band and orchestra instruments and a number of Renaissance instruments. Grand pianos are available in the classrooms and teaching studios. An organ and two harpsichords, a Praeger and a Herz also are available for specialized keyboard study.

The Audio Recording and Music Synthesis (ARMS) complex consists of three interconnected studios featuring 24-track, 8-track and MIDI production facilities. The control room features an automated Soundcraft 2400 console, Sony JH-24 multitrack with Dolby SR noise reduction, digital and analog 2-track machines and signal processors by Lexicon, Yamaha, Sontec, Valley and Eventide. An assortment of professional studio microphones includes models by Neumann, AKG, Shure and Bruel & Kjaer. A MIDI/SMPTTE-based production room features the Apple Macintosh Plus, Ile and Atari 1040 ST computers with a sizeable library of software for editing, sequencing and patch librarian functions. Modular and keyboard synthesizers include the Synclavier II, Yamaha DX7, TX 416, Oberheim Matrix 6R, Casio CZ 101, Roland D550 and the Korg and Alesis drum machines. High fidelity sampling is done with the Hybrid Arts ADAP system. Signal processors are by Yamaha and Allessis.

The University Library music collection includes complete critical editions of standard reference works, periodicals, recordings and a large collection of books and music scores.

Computer-aided music instruction is available on a wide variety of topics. To augment classroom instruction, Apple Ile and Macintosh computers and the PLATO mainframe system are used in conjunction with classes in Musicianship, Music Theory, Piano Class and Music History.

The Music Department administers the Conservatory of Music, Dance and Drama, which offers lessons and classes to the community. The Conservatory often hires advanced University students to teach.

Financial aid and scholarships are available through the Office of Financial Aid. Several scholarships are specifically for music majors and require special application to the Department of Music. Auditions for scholarships are usually held in April. The Music Department Scholarship provides a minimum of \$500 to students who excel in music performance. The Lou Bell Memorial Scholarship also provides funds to music performers. The Jubilee Choir Scholarship is a \$600 grant to a voice major. The Mary L. & Frederick C. Peters Memorial Scholarship provides a minimum of \$300 to orchestral musicians. The Panosian Grant provides \$1,400 to outstanding performers of orchestral instruments and also provides tuition scholarships to the Los Angeles Philharmonic Institute. Mu Phi Epsilon, the Honorary Music Fraternity, offers scholarships to members on the basis of grade point average, music performance and service to the department and fraternity.

ACADEMIC ADVISEMENT

Students and prospective students who have chosen CSU Dominguez Hills for the study of music should seek academic advisement from a Department of Music faculty member at the earliest opportunity.

Guidance from the beginning of a student's college career is extremely important. Early evaluation, as well as consistent continual building of musical skills, is imperative.

PREPARATION

High school students preparing for university music study should take every opportunity to study and perform music. High school participation in band, orchestra, chorus, chamber ensembles and musical theatre productions is highly recommended. In addition, private piano lessons, as well as vocal or instrumental lessons, will help to provide the incoming student with the basic musical skills and performance competencies necessary for success in pursuing a university degree in music. Students also should take every opportunity to gain added musical experience in their local church or community performance groups.

Community college transfer students preparing for university music study should be sure that their program is paralleling equivalent courses being offered to freshman and sophomore music majors at CSU Dominguez Hills. Every opportunity to perform and study music should be taken.

CAREER POSSIBILITIES

The music major of CSU Dominguez Hills features a broad-based approach to the study of music that prepares students for a wide range of post-graduate positions. Graduates from CSU Dominguez Hills currently are working in the following fields: public school music teaching; private music teaching in music stores, studios and in the home; community college teaching; recording studio engineering; radio station sound engineering; designing and manufacturing music synthesizers; arts administration; symphony orchestra performance; opera performance; church music composition and performance; church choir direction; music buying and music store management; popular music and jazz performance; gospel music performance and composition. Some graduates have elected to continue post-graduate study in the areas of teaching, musicology, composition, performance and conducting.

MAJOR REQUIREMENTS - BA

Common Core Requirements (26 units)

Lower Division Requirements (16 units)

- MUS 101. Introducing Music (3)
- MUS 110. Music Fundamentals (3)
- MUS 209. Musicianship Skills (1,1)
- MUS 210. Music Theory I (3)
- MUS 211. Music Theory II (3)
- Ensembles. (minimum of 2)

Upper Division Requirements (10 units)

- MUS 309. Advanced Musicianship Skills (1,1)
- MUS 310. Advanced Music Theory I (3)
- MUS 311. Advanced Music Theory II (3)
- Ensembles. (minimum of 2)

Additional requirements for ALL music majors

Ensemble Requirement. Participate in one of the University's performing ensembles during each semester of full-time residency. Part-time students (6 units or less) need only participate in an ensemble every other semester. At least half of these ensemble units must be in Orchestra, Chorus or Band. The remaining ensemble units may be in other ensembles.

Musicianship Proficiency Exam. Requires students to demonstrate a level of musicianship skills appropriate for a university graduate majoring in music. These skills include sight-reading, dictation, and aural comprehension of the common elements of music—rhythm, melody, harmony, timbre, texture and dynamics. Every graduating student will be required to pass a musicianship proficiency examination or have a record of at least two semester units of Advanced Musicianship Skills (MUS 309) with a grade of B or better.

Lower Division Recommended Courses

- PHY 100. Patterns in Nature (3)
- MUS 100. Concert Music I (1)
- MUS 120. Beginning Voice Class (1)
- MUS 121. Beginning Piano Class (1)
- MUS 122. Beginning Guitar Class (1)
- MUS 180. Individual Lessons (1)
- MUS 200. Concert Music II (1)
- MUS 220. Intermediate Voice Class (1)
- MUS 221. Intermediate Piano Class (1)
- MUS 222. Intermediate Guitar Class (1)
- MUS 280. Individual Lessons (1)
- Foreign language study in French, German or Italian

Upper Division Recommended Courses

Music majors are encouraged to broaden their knowledge of music by taking a variety of upper division electives in music. Courses beyond the minimum requirements will give a broader base for later professional development.

INSTRUMENTAL PERFORMANCE OPTION (52 units)

A. Completion of Common Core Requirements (26 units)

B. Lower Division Requirements

Performance Placement Exam on major instrument.

C. Upper Division Requirements (26 units)

- MUS 315. Counterpoint (3)
- MUS 316. Instrumentation (3)
- MUS 325. Conducting (3)
- MUS 380. Individual Lessons (1,1)
- MUS 385. Medieval and Renaissance Music (3)
- MUS 386. Baroque and Classical Music (3)
- MUS 480. Individual Lessons (1,1)
- MUS 483. The Interpretation of Music (1)
- MUS 485. Romantic Music (3)
- MUS 486. Twentieth Century Music (3)

D. Piano Proficiency Exam

or a record of at least four semester units of piano instruction at an accredited institution within the last five years, with a grade of B or better.

E. Repertory Requirements.

Before being approved for graduation, students must perform at a certain level of advancement and proficiency. A detailed list of representative repertory is available from the Music Department.

Recommended Courses

- MUS 300. Concert Music III (1)
- MUS 400. Concert Music IV (1)

VOCAL PERFORMANCE OPTION (52 units)

A. Completion of Common Core Requirements (26 units)

B. Lower Division Requirements

Performance Placement Exam in voice.

C. Upper Division Requirements (26 units)

- MUS 315. Counterpoint (3)
- MUS 325. Conducting (3)
- MUS 380. Individual Lessons (1,1)
- MUS 385. Medieval and Renaissance Music (3)
- MUS 386. Baroque and Classical Music (3)
- MUS 420. Vocal and Choral Techniques (3)
- MUS 480. Individual Lessons (1,1)
- MUS 483. The Interpretation of Music (1)
- MUS 485. Romantic Music (3)
- MUS 486. Twentieth Century Music (3)

D. Piano Proficiency Exam

or a record of at least four semester units of piano instruction at an accredited institution within the last five years, with grade of B or better.

- E. Repertory Requirements.** Before being approved for graduation, students must perform at a certain level of advancement and proficiency. A detailed list of representative repertory is available from the Music Department.

Recommended Courses

- MUS 120. Beginning Voice Class (1)
 MUS 179. Music Theatre Workshop (1)
 MUS 220. Intermediate Voice Class (1)
 MUS 279. Music Theatre Workshop (1)
 MUS 300. Concert Music III (1)
 MUS 320. Advanced Voice Class (1)
 MUS 379. Music Theatre Workshop (1)
 MUS 400. Concert Music IV (1)
 MUS 479. Music Theatre Workshop (1)

CONDUCTING OPTION (48 units)

A. Completion of Common Core Requirements (26 units)

B. Lower Division Requirements

Performance placement Exam on major instrument or voice.

C. Upper Division Requirements (22 units)

- MUS 315. Counterpoint (3)
 MUS 316. Instrumentation (3)
 MUS 325. Conducting (3)
 MUS 385. Medieval and Renaissance Music (3)
 MUS 386. Baroque and Classical Music (3)
 MUS 483. The Interpretation of Music (1)
 MUS 485. Romantic Music (3)
 MUS 486. Twentieth Century Music (3)

D. Piano Proficiency Exam — no exceptions

- E. Repertory Requirements.** Before being approved for graduation, students must demonstrate conducting at a certain level of advancement and proficiency. A detailed list of representative repertory is available from the Music Department.

Recommended Courses

- MUS 300. Concert Music III (1)+
 MUS 400. Concert Music IV (1)
 MUS 420. Vocal and Choral Techniques (3)
 MUS 445. String Instruments (1)
 MUS 446. Woodwind Instruments (1)
 MUS 447. Brass Instruments (1)
 MUS 448. Percussion Instruments (1)
 AAD 501. Introduction to Arts Administration (3)

THEORY AND COMPOSITION OPTION (52 units)

A. Completion of Common Core Requirements (26 units)

B. Lower Division Requirements

Performance Placement Exam on Major instrument or voice.

C. Upper Division Requirements (26 units)

- MUS 315. Counterpoint (3)
 MUS 316. Instrumentation (3)
 MUS 335. Music Synthesis (3)
 MUS 385. Medieval and Renaissance Music (3)
 MUS 386. Baroque and Classical Music (3)
 MUS 481. Individual Lessons: Composition and Arranging (1,1)
 MUS 485. Romantic Music (3)
 MUS 486. Twentieth Century Music (3)
 MUS 415. Composition and Arranging: Art Music (3) or
 MUS 416. Composition and Arranging: Popular and Jazz (3)+

- D. Piano Proficiency Exam** or a record of at least four (4) semester units of piano instruction at an accredited institution within the last five years with a grade of B or better.

- E. Composition Repertory Requirements.** Before being approved for graduation, Theory and Composition majors must submit a folio of compositions for a variety of media including a multi-movement work of some duration. A detailed list of requirements is available from the Music Department.

Recommended Courses

- MUS 300. Concert Music III (1)+
 MUS 308. Popular and Jazz Harmony (3)
 MUS 325. Conducting (3)
 MUS 400. Concert Music IV (1)
 MUS 408. Advanced Songwriting (3)
 MUS 445. String Instruments (1)
 MUS 446. Woodwind Instruments (1)
 MUS 447. Brass Instruments (1)
 MUS 448. Percussion Instruments (1)

THEORY AND HISTORY OPTION (53 units)

A. Completion of Common Core Requirements (26 units)

B. Lower Division Requirements

Performance Placement Exam on major instrument or voice.

C. Upper Division Requirements (27 units)

- MUS 301. Music in World Cultures (3)
 MUS 315. Counterpoint (3)
 MUS 316. Instrumentation (3)
 MUS 385. Medieval and Renaissance Music (3)
 MUS 386. Baroque and Classical Music (3)
 MUS 402. American Music (3)
 MUS 485. Romantic Music (3)
 MUS 486. Twentieth Century Music (3)
 MUS 499. Senior Project (3)

- D. Piano Proficiency Exam** or a record of at least four semester units of piano instruction at an accredited institution within the last five years, with a grade of B or better.

Recommended Courses

- MUS 300. Concert Music III (1)+
 MUS 400. Concert Music IV (1)
 MUS 401. Afro-American Music (3)

MUSIC EDUCATION OPTION (64 units)

Single Field Major - no minor required

This degree program also serves as a waiver for the National Teacher's Exam in Music. Students who wish to pursue the State of California Single Subject Teaching Credential in Music should complete this program and additional requirements as listed in the Teacher Education section of this catalog.

This option does not require an additional academic minor outside the field of music.

A. Completion of Common Core Requirements (26 units)

B. Lower Division Requirements (2 units)

- MUS 120. Beginning Voice Class (1)
 MUS 220. Intermediate Voice Class (1)

Performance Placement Exam on major instrument or voice

C. Upper Division Requirements (36 units)

- MUS 315. Counterpoint (3)
- MUS 316. Instrumentation (3)
- MUS 320. Advanced Voice Class (1)
- MUS 325. Conducting (3)
- MUS 340. Music for Children (3) or
MUS 440. Introduction to Orff Schulwerk (3)
- MUS 380. Individual Lessons (1,1)+
- MUS 385. Medieval and Renaissance Music (3)
- MUS 386. Baroque and Classical Music (3)
- MUS 420. Vocal and Choral Techniques (3)
- MUS 445. String Instruments (1)
- MUS 446. Woodwind Instruments (1)
- MUS 447. Brass Instruments (1)
- MUS 448. Percussion Instruments (1)
- MUS 480. Individual Lessons (1,1)+
- MUS 485. Romantic Music (3)
- MUS 486. Twentieth Century Music (3)

D. Piano Proficiency Exam — no alternatives**E. Repertory Requirements** in major performance area. Before being approved for graduation, students must perform at a certain level of advancement and proficiency. A detailed list of representative repertory is available from the Music Department.

Recommended Courses

- MUS 122. Beginning Guitar Class (1)
- MUS 300. Concert Music III (1)+
- MUS 301. Music in World Cultures (3)
- MUS 379. Music Theatre Workshop III (1)+
- MUS 401. Afro-American Music (3)
- MUS 479. Music Theatre Workshop IV (1)+

AUDIO RECORDING OPTION (52 units)**A. Completion of Common Core Requirements (26 units)****B. Upper Division Requirements (26 units)**

- MUS 330. Audio Recording (3)
- MUS 331. Audio Recording Lab (1,1)
- MUS 335. Music Synthesis (3)
- MUS 336. Music Synthesis Lab (1)
- MUS 430. Advanced Audio Recording (3)
- MUS 431. Advanced Audio Recording Lab (1)
- MUS 435. Advanced Music Synthesis (3)
- MUS 436. Advanced Music Synthesis Lab (1)
- MUS 438. Music Production (3)
- MUS 439. Music Production Lab (1)
- MUS 494. Independent Study (1,1)+
- PHY 331. Audio Electronics (3)+

C. Audio Recording Proficiency Exam. Requires the student to demonstrate knowledge and technique of recording by producing and engineering a multi-track recording session.

Recommended Courses

- MUS 308. Popular and Jazz Harmony (3)
- MUS 316. Instrumentation (3)
- MUS 408. Advanced Songwriting (3)+
- MUS 416. Composition and Arranging: Popular and Jazz (3)+
- MUS 485. Romantic Music (3)
- MUS 486. Twentieth Century Music (3)
- MUS 496. Music Internship+

Additional courses in music, physics, computer science, and communications

Recommended minor in music, physics, computer science or communications

ELECTRONIC MUSIC SYNTHESIS OPTION (53 units)**A. Completion of Common Core Requirements (26 units)****B. Upper Division Requirements (27 units)**

- MUS 330. Audio Recording (3)
- MUS 331. Audio Recording Lab (1)
- MUS 335. Music Synthesis (3)
- MUS 336. Music Synthesis Lab (1)
- MUS 430. Advanced Audio Recording (3)
- MUS 431. Advanced Audio Recording Lab (1)
- MUS 435. Advanced Music Synthesis (3)
- MUS 436. Advanced Music Synthesis Lab (1)
- MUS 415. Composition and Arranging: Art Music (3) or
MUS 416. Composition and Arranging: Popular and Jazz (3)+
- MUS 480. Individual Lessons-Keyboards (1,1)+ or
MUS 481. Individual Lessons: Composition and Arranging (1,1)+
- MUS 486. Twentieth Century Music (3)
- PHY 331. Audio Electronics (3)+

C. Piano Proficiency Exam or a record of at least four semester units of piano instruction at an accredited institution within that last five years, with a grade of B or better.**D. Synthesis Proficiency Exam.** Requires the student to demonstrate a knowledge of contemporary analog and digital synthesis terms and techniques and to produce a specified sonic design on a studio synthesizer.

Recommended courses

- MUS 308. Popular and Jazz Harmony (3)
- MUS 316. Instrumentation (3)
- MUS 408. Advanced Songwriting (3)+
- ART 345. Computer Art I (3)+

Additional courses in Music, Physics, Computer Science, and Communications

Recommended minor in Music, Physics, Computer Science or Communications

MINOR REQUIREMENTS**MINOR IN MUSIC (18 units)****Lower Division Requirements (6 units)**

- MUS 101. Introducing Music (3)
- MUS 110. Music Fundamentals (3)

Upper Division Requirements (12 units)**A. One of the following courses (3)**

- MUS 310. Advanced Theory I (3)+
- MUS 386. Baroque and Classical Music (3)
- MUS 485. Romantic Music (3)

B. Nine additional units of upper division music courses by advisement (9)**MINOR IN AUDIO RECORDING AND MUSIC SYNTHESIS (12 units)****Upper Division Requirements (12 units)**

- MUS 330. Audio Recording (3)
- MUS 335. Music Synthesis (3)
- MUS 430. Advanced Audio Recording (3)
- MUS 435. Advanced Music Synthesis (3)

CERTIFICATE REQUIREMENTS

CERTIFICATE PROGRAM IN AUDIO RECORDING AND MUSIC SYNTHESIS (24 units)

The Certificate Programs in Audio Recording and Music Synthesis and Audio Technology are designed to provide theoretical knowledge and practical skills for the aspiring recording engineer and studio musician. Hands-on practice with professional equipment in the campus studio and internships in the recording industry provide practical work experience. These programs serve to enhance the student's employment potential in this fast growing, competitive, hi-tech field. The Certificates may be earned in addition to any of the Bachelor of Arts options in Music, or apart, as a self-contained program, without the traditional music courses and liberal arts requirements of the Degree.

Upper Division Requirements (24 units)

- MUS 330. Audio Recording (3)
- MUS 331. Audio Recording Lab (1)
- MUS 335. Music Synthesis (3)
- MUS 336. Music Synthesis Lab (1)
- MUS 430. Advanced Audio Recording (3)
- MUS 431. Advanced Audio Recording Lab (1)
- MUS 435. Advanced Music Synthesis (3)
- MUS 436. Advanced Music Synthesis Lab (1)
- MUS 438. Music Production (3)
- MUS 439. Music Production Lab (1)
- MUS 494. Independent Study (1)+ or
- MUS 496. Music Internship (1)+
- PHY 331. Audio Electronics (3)+

Synthesizer Proficiency Exam. Requires the student to demonstrate a knowledge of contemporary analog and digital synthesis terms and techniques and to produce a specified sonic design on a studio synthesizer.

Recording Proficiency Exam. Requires the student to demonstrate knowledge and technique of recording by producing and engineering a multi-track recording session.

Recommended Courses

Additional courses in Music, Physics, Computer Science and Communications

CERTIFICATE PROGRAM IN AUDIO TECHNOLOGY (24 units)

Upper Division Requirements (24 units)

- MUS 330. Audio Recording (3)
- MUS 331. Audio Recording Lab (1)
- MUS 335. Music Synthesis (3)
- MUS 336. Music Synthesis Lab (1)
- MUS 430. Advanced Audio Recording (3)
- MUS 431. Advanced Audio Recording Lab (1)
- MUS 437. Recording Studio Maintenance (3)+
- PHY 331. Audio Electronics (3)+
- PHY 335. Digital Electronics (3)+
- PHY 337. Microprocessors (3)+

Synthesizer Proficiency Exam. Requires the student to demonstrate a knowledge of contemporary analog and digital synthesis terms and techniques and to produce a specified sonic design on a studio synthesizer.

Recording Proficiency Exam. Requires the student to demonstrate knowledge and technique of recording by producing and engineering a multi-track recording session.

Recommended Courses

Additional courses in Music, Physics, Computer Science and Communications

COURSE OFFERINGS IN MUSIC

Lower Division

MUS 100 CONCERT MUSIC I (1).* Attendance at on-campus and off-campus concerts and recitals. Open to all students. Grade based on verified attendance at seven approved concerts and final essay exam. Orientation and final exam are the only class meetings. Instructor available two office hours each week for guidance. Maybe repeated once. CR/NC grading.

MUS 101 INTRODUCING MUSIC (3). The technique of listening to music. The elements of music, musical forms, and historical styles. Concert attendance and discussion will be an integral part of the course. Satisfies a requirement in General Studies. Three hours of lecture per week.

MUS 109 INTRODUCTION TO MUSICIANSHIP (1).* *Prerequisite: Concurrent enrollment in MUS 101 or MUS 110 is recommended.* An activity course in which students will begin exercises in music perception skills. Pitch matching, identification of musical patterns, beginning ear-training and sight-singing drills. Preparation for the Musicianship Proficiency Exam. Two hours of activity per week.

MUS 110 MUSIC FUNDAMENTALS (3). *Prerequisite: Concurrent enrollment in MUS 109 is recommended.* Music rudiments taught through reading, writing, harmonizing and creating songs. Includes principles of notation, key signatures, scales, intervals, triads and chord progressions. Satisfies a requirement in General Studies. Three hours of lecture per week.

MUS 120 BEGINNING VOICE CLASS (1).* *Prerequisite: Consent of instructor.* Fundamental principles of singing. Posture, breath control, tone production, diction and performance techniques and styles. Two hours of activity per week.

MUS 121 BEGINNING PIANO CLASS (1).* *Prerequisite: Previous or concurrent enrollment in MUS 101 and MUS 110 or consent of instructor.* Beginning instruction in keyboard technique. Two hours of activity per week.

MUS 122 BEGINNING GUITAR CLASS (1).* *Prerequisite: Previous or concurrent enrollment in MUS 101 and MUS 110 or consent of instructor is recommended.* Beginning instruction in guitar technique. Single string melody and chord positions. Two hours of activity per week.

MUS 170 CHAMBER MUSIC (1).* *Prerequisite: Consent of instructor.* Study of music through small instrumental ensemble rehearsal and performance. Type of group may vary by section and semester. See Class Schedule for title. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 171 CHAMBER SINGERS (1).* *Prerequisite: Consent of instructor.* Study of music through small vocal ensemble rehearsal and performance. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 172 JUBILEE CHOIR (1).* *Prerequisite: Consent of instructor.* Study and performance of choral music of Afro-American culture. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 173 JAZZ ENSEMBLE (1).* *Prerequisite: Consent of instructor.* Techniques of improvisation and a study and performance of instrumental jazz repertoire. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 175 BAND (1).* *Prerequisite: Consent of instructor.* A study of music through rehearsal and performance of concert band music. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

*Repeatable course.

MUS 176 ORCHESTRA (1).* *Prerequisite: Consent of instructor.* A study of music through rehearsal and performance of music for symphony orchestra. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 177 CHORUS (1).* *Prerequisite: Consent of instructor.* A study of music through rehearsal and performance of music for chorus. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 179 MUSIC THEATRE WORKSHOP (1).* *Prerequisite: Audition and consent of instructor.* Study of roles and representative excerpts from opera, operetta, and musical comedy and the basic musical, dramatic and language technique of the musical theatre. Performance of excerpts or complete musical theatrical works. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 180 INDIVIDUAL LESSONS (1).* *Prerequisite: Audition and consent of Department Chair and Instructor.* Individual instruction in the student's major performance medium. Development of technique and repertoire. One-half hour lesson each week. Individual lesson times are arranged with the studio teacher. Some lessons may be off-campus. Public performance and jury evaluation expected. Lessons are listed in the class schedule by voice or instrument. Lessons are available in voice, piano, harpsichord, organ, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, tuba, percussion, violin, viola, cello, string bass, harp, classical guitar, lute, commercial guitar, and electric bass. Primarily for performance majors. Instrument fee may be required.

MUS 200 CONCERT MUSIC II (1).* *Prerequisite: MUS 100.* Attendance at on-campus and off-campus concerts and recitals. Open to all students. Grade based on verified attendance at seven approved concerts and final essay exam. Orientation and final exam are the only class meetings. Instructor available two office hours each week for guidance. Repeatable once. CR/NC grading.

MUS 209 MUSICIANSHIP SKILLS (1).* *Prerequisites: MUS 101, MUS 109, and MUS 110 are recommended.* Ear training, sight-singing, rhythm, keyboard harmony, and melodic and rhythmic dictation. This course is meant to parallel work in Music 210 and 211. Two hours of activity per week.

MUS 210 MUSIC THEORY I (3). *Prerequisites: MUS 101 and MUS 110 and concurrent enrollment in MUS 209 are recommended.* The theory of music with emphasis on materials derived from the Common Practice Period (1700-1900). The vocabulary of diatonic scales and modes, chords and their relationships, phrase structure and cadences, harmonic progressions, non-harmonic tones and the technique of harmonization. Three hours of lecture per week.

MUS 211 MUSIC THEORY II (3). *Prerequisites: MUS 210 and concurrent enrollment in MUS 209 or consent of instructor.* Chromatic Harmony of the Common Practice Period. Harmonic analysis, secondary dominants, modulation, borrowed chords, augmented sixth chords, Neapolitan sixth chords, diminished sevenths, and ninth, eleventh and thirteenth chords. Three hours of lecture per week.

MUS 220 INTERMEDIATE VOICE CLASS (1).* *Prerequisites: MUS 101, MUS 110, and MUS 120 or Consent of instructor.* An intermediate course in the art of singing with emphasis on the vocal mechanism, use of the voice in ensemble singing and style in songs. Development of solo repertoire. Two hours of activity per week.

MUS 221 INTERMEDIATE PIANO CLASS (1).* *Prerequisites: MUS 101, MUS 110 and MUS 121 or Consent of instructor.* Intermediate instruction in keyboard technique. Keyboard harmony, scales, chords and improvised accompaniments. Two hours of activity per week.

MUS 222 INTERMEDIATE GUITAR CLASS (1).* *Prerequisites: MUS 101, MUS 110 and MUS 122 or consent of instructor.* Intermediate instruction in guitar technique. Scales, chords and improvised accompaniments. Two hours of activity per week.

MUS 270 CHAMBER MUSIC (1).* *Prerequisite: Consent of instructor.* Study of music through small instrumental ensemble rehearsal and performance. Type of group may vary by section and semester. See Class Schedule for title. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 271 CHAMBER SINGERS (1).* *Prerequisite: Consent of instructor.* Study of music through small vocal ensemble rehearsal and performance. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 272 JUBILEE CHOIR (1).* *Prerequisite: Consent of instructor.* Study and performance of choral music of Afro-American culture. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 273 JAZZ ENSEMBLE (1).* *Prerequisite: Consent of instructor.* Techniques of improvisation and a study and performance of instrumental jazz repertoire. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 275 BAND (1).* *Prerequisite: Consent of instructor.* A study of music through rehearsal and performance of concert band music. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 276 ORCHESTRA (1).* *Prerequisite: Consent of instructor.* A study of music through rehearsal and performance of music for symphony orchestra. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 277 CHORUS (1).* *Prerequisite: Consent of instructor.* A study of music through rehearsal and performance of music for chorus. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 279 MUSIC THEATRE WORKSHOP (1).* *Prerequisites: Audition and consent of instructor.* Study of roles and representative excerpts from opera, operetta, and musical comedy and the basic musical, dramatic and language technique of the musical theatre. Performance of excerpts and complete musical theatrical works. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 280 INDIVIDUAL LESSONS (1).* *Prerequisites: Audition and consent of department chair and instructor.* Individual instruction in the student's major performance medium. Development of technique and repertoire. Individual lesson times are arranged with the studio teacher. Some lessons may be off-campus. Public performance and jury evaluation expected. Lessons are listed in the Class Schedule by voice or instrument. Lessons are available in voice, piano, harpsichord, organ, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, tuba, percussion, violin, viola, cello, string bass, harp, classical guitar, lute, commercial guitar, and electric bass. Primarily for performance majors. Instrument fee may be required.

MUS 294 INDEPENDENT STUDY (1-3).* *Prerequisites: Consent of instructor and department chair.* In consultation with a Music faculty member, the student investigates a scholarly topic or undertakes directed research or a creative project.

Upper Division

MUS 300 CONCERT MUSIC III (1).* *Prerequisite:* MUS 200. Attendance at on-campus and off-campus concerts and recitals. Open to all students. Grade based on verified attendance at seven approved concerts and final essay exam. Orientation and final exam are the only class meetings. Instructor available two office hours each week for guidance. Repeatable once. CR/NC grading.

MUS 301 MUSIC IN WORLD CULTURES (3). *Prerequisite:* MUS 101 or 110 or consent of instructor. Survey of non-Western cultures from a musical point of view. Using familiar folk and popular music for comparison, students will be guided into new listening experiences, develop a vocabulary for discussing world music, and gain an appreciation of cultural pluralism. Three hours of lecture per week.

MUS 305 MUSIC FOR DANCE (1). *Prerequisite:* MUS 110 or consent of instructor. An introduction to music fundamentals and techniques for dance accompaniment. Two hours of activity per week.

MUS 308 POPULAR AND JAZZ HARMONY (3). *Prerequisite:* MUS 210 or consent of instructor. Chords and scale patterns used in popular music and jazz. Chord symbols and chord substitutions. Some analysis of popular and jazz music. Three hours of lecture per week.

MUS 309 ADVANCED MUSICIANSHIP SKILLS (1).* *Prerequisite:* Musicianship placement exam and consent of instructor. Ear training, sight-singing, rhythm, keyboard harmony, and melodic, harmonic and rhythmic dictation. This course is meant to parallel work in MUS 310 and 311 and provide preparation for the Musicianship Proficiency Exam. Two hours of activity per week.

MUS 310 ADVANCED MUSIC THEORY I (3). *Prerequisites:* MUS 101, Music theory placement exam and consent of instructor are required; concurrent enrollment in MUS 309, MUS 315 and MUS 385 is recommended. Structural, contrapuntal and harmonic analysis of musical forms from the Medieval through the Classical periods. A study of the literature, instrumentation and notation. Practice includes aural analysis and creative composition. Three hours of lecture per week.

MUS 311 ADVANCED MUSIC THEORY II (3). *Prerequisite:* MUS 310 or consent of instructor is required; concurrent enrollment in MUS 309 and MUS 316 is recommended. Structural, harmonic and contrapuntal analysis of musical forms from the Romantic period through the Twentieth Century. A study of the literature, instrumentation and notation. Practice includes aural analysis and creative composition. Concurrent enrollment in MUS 309 and MUS 316 recommended. Three hours of lecture per week.

MUS 315 COUNTERPOINT (3). *Prerequisite:* MUS 211 or consent of instructor. Counterpoint as a linear mode of compositional technique in Western music. Modal, tonal and post-tonal practices. Three hours of lecture per week.

MUS 316 INSTRUMENTATION (3). *Prerequisite:* MUS 211 or MUS 308. The acoustical and musical characteristics of all the major orchestral and band instruments. Written assignments will include transcriptions for combination of instruments both as families and mixed ensembles. Three hours of lecture per week.

MUS 320 ADVANCED VOICE CLASS (1).* *Prerequisites:* MUS 101, MUS 110 and MUS 220 or consent of instructor. An advanced course in the art of singing with emphasis on the vocal mechanism, use of the voice in ensemble singing and style in songs. Development of solo repertoire in foreign languages. Two hours of activity per week.

MUS 321 ADVANCED PIANO CLASS (1).* *Prerequisites:* MUS 101, MUS 110 and MUS 221 or consent of instructor. Advanced instruction in keyboard technique. Development of solo repertoire and preparation for the Piano Proficiency Exam. Two hours of activity per week.

MUS 322 ADVANCED GUITAR CLASS (1).* *Prerequisites:* MUS 101, MUS 110 and MUS 222 or consent of instructor. Advanced instruction in guitar technique. Development of solo repertoire. Two hours of activity per week.

MUS 325 CONDUCTING (3).* *Prerequisite:* MUS 310 or consent of instructor. An introduction to the basic techniques of conducting both instrumental and choral groups. Score reading, baton technique and fundamentals of interpretation. Two hours of lecture and two hours of activity per week.

MUS 330 AUDIO RECORDING (3). Theory and practice of sound recording. Acoustics, psychoacoustics, microphones and microphone techniques, consoles, mixers, signal processing and analog tape machines. Three hours of lecture per week.

MUS 331 AUDIO RECORDING LAB (1).* *Prerequisite:* Previous or concurrent enrollment in MUS 330. Hands-on experience in studio recording. Live mix to stereo techniques and fundamentals of studio signal flow path. Three hours of laboratory per week.

MUS 335 MUSIC SYNTHESIS (3). *Prerequisite:* MUS 330. Techniques, equipment, theory, and history of electronic music. Psychoacoustics, classical tape studio techniques, and a conceptual approach to sound synthesis using modular synthesizers. Three hours of lecture per week.

MUS 336 MUSIC SYNTHESIS LAB (1).* *Prerequisite:* Previous or concurrent enrollment in MUS 335. Hands-on experience in classical tape studio techniques and in programming of synthesizers in a variety of musical styles. Three hours of laboratory per week.

MUS 340 MUSIC FOR CHILDREN (3). *Prerequisites:* MUS 101 and MUS 110 or consent of instructor. Survey and analysis of music suitable for children. History and philosophy of American music education emphasizing influences of European systems of Kodaly, Dalcroze, and Orff. Two hours of lecture and two hours of activity per week.

MUS 370 CHAMBER MUSIC (1).* *Prerequisite:* Consent of instructor. Study of music through small instrumental ensemble rehearsal and performance. Type of group may vary by section and semester. See Class Schedule for title. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 371 CHAMBER SINGERS (1).* *Prerequisite:* Consent of instructor. Study of music through small vocal ensemble rehearsal and performance. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 372 JUBILEE CHOIR (1).* *Prerequisite:* Consent of instructor. Study and performance of choral music of Afro-American culture. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 373 JAZZ ENSEMBLE (1).* *Prerequisite:* Consent of instructor. Techniques of improvisation and a study of performance of instrumental jazz repertoire. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 375 BAND (1).* *Prerequisite:* Consent of instructor. A study of music through rehearsal and performance of concert band music. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 376 ORCHESTRA (1).* *Prerequisite:* Consent of instructor. A study of music through rehearsal and performance of music for symphony orchestra. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

*Repeatable course.

MUS 377 CHORUS (1).* *Prerequisite:* Consent of instructor. A study of music through rehearsal and performance of music for chorus. Public performances expected. Repeatable once. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 379 MUSIC THEATRE WORKSHOP (1).* *Prerequisites:* Audition and consent of instructor. Study of roles and representative excerpts from opera, operetta, and musical comedy and the basic musical, dramatic and language technique of the musical theatre. Performance of excerpts and complete musical theatrical works. Repeatable once. Three hours of activity per week plus extras rehearsal and performance times to be arranged.

MUS 380 INDIVIDUAL LESSONS (1).* *Prerequisites:* Audition and consent of department chair and instructor. Individual instruction in the student's major performance medium. Development of technique and repertoire. Individual lesson times are arranged with the studio teacher. Some lessons may be off-campus. Public performance and jury evaluation expected. Lessons are listed in the Class Schedule by voice or instrument. Lessons are available in voice, piano, harpsichord, organ, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, tuba, percussion, violin, viola, cello, string bass, harp, classical guitar, lute, commercial guitar and electric bass. Primarily for performance majors. Instrument fee may be required.

MUS 385 MEDIEVAL AND RENAISSANCE MUSIC (3). *Prerequisites:* MUS 101 and MUS 110 or consent of instructor. Music from the Medieval period through the Renaissance. Gregorian chant, Leonin, Perotin, Machaut, Dufay, Ockeghem, Josquin, Gombert, Willaert, Palestrina, Lasso, Gabrielli and other composers. Study of styles of music to uncover the various musical, aesthetic, and social determinants underlying the musical literature. Three hours of lecture per week. Offered every other year.

MUS 386 BAROQUE AND CLASSICAL MUSIC (3). *Prerequisites:* MUS 101 and MUS 110 or consent of instructor. Music from the Baroque through the Classical period. Monteverdi, Schutz, Scarlatti, Bach, Handel, Couperin, Mozart, Haydn, Beethoven and other composers. Study of styles of music to uncover the various musical, aesthetic, and social determinants underlying the musical literature. Three hours of lecture per week. Offered every other year.

MUS 400 CONCERT MUSIC IV (1).* *Prerequisite:* MUS 300. Attendance at on-campus and off-campus concerts and recitals. Open to all students. Grade based on verified attendance at seven approved concerts and final essay exam. Orientation and final exam are the only class meetings. Instructor available two office hours each week for guidance. CR/NC grading.

MUS 401 AFRO-AMERICAN MUSIC (3). *Prerequisite:* MUS 101 or consent of instructor. 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. Three hours of lecture per week.

MUS 402 AMERICAN MUSIC (3). *Prerequisite:* MUS 101 or consent of instructor. 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. Three hours of lecture per week.

MUS 408 ADVANCED SONG WRITING (3). *Prerequisite:* MUS 308 or consent of instructor. 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. Field trips and guest lecturers from the industry. Publishing and copyright procedures. Three hours of lecture per week.

MUS 415 COMPOSITION AND ARRANGING: ART MUSIC (3).* *Prerequisite:* MUS 311 or consent of instructor. Composition and arranging of art music utilizing a variety of resources, from traditional instruments and voice to new instruments, electronics and computer. Three hours of lecture per week.

MUS 416 COMPOSITION AND ARRANGING: POPULAR AND JAZZ (3).* *Prerequisite:* MUS 308 or consent of instructor. Composition and arranging for popular and jazz ensembles with an emphasis on contemporary styles. Three hours of lecture per week.

MUS 420 VOCAL AND CHORAL TECHNIQUES (3). *Prerequisite:* MUS 320 or consent of instructor. Voice physiology and function, common vocal faults, pedagogical approaches and methodology in both the choral and private instructional context. Two hours of lecture and two hours of activity per week.

MUS 425 CHORAL CONDUCTING (3). *Prerequisite:* Placement exam in conducting or consent of instructor. A refinement of techniques developed in MUS 325. Conducting, with special emphasis placed upon choral applications. A study of styles and interpretations of choral music from the Renaissance to the present. Two hours of lecture and two hours of activity per week. Offered every other year.

MUS 430 ADVANCED AUDIO RECORDING (3). *Prerequisites:* MUS 330 and consent of instructor. A continuation of MUS 330. Analog tape machine calibration, noise reduction, console automation, digital audio, measurement techniques. Guest lecturers from the professional audio community present information on current audio research and development. Individual reading and research is required.

MUS 431 ADVANCED AUDIO RECORDING LAB (1).* *Prerequisites:* Previous or concurrent enrollment in MUS 430 and consent of instructor. Practical multi-track session work featuring increased access to studio facilities for individual and group recording projects. Three hours of laboratory per week.

MUS 435 ADVANCED MUSIC SYNTHESIS (3). *Prerequisites:* MUS 335 and consent of instructor. A continuation of MUS 335. Digital synthesizer concepts and a history of computer music. Computer control of analog synthesizers, theory and use of MIDI specification, direct software and hardware sound synthesis theory. Three hours of lecture per week.

MUS 436 ADVANCED MUSIC SYNTHESIS LAB (1).* *Prerequisites:* Previous or concurrent enrollment in MUS 435 and consent of instructor. Experience in programming a variety of digital synthesizers from the Synclavier II to the Yamaha DX-7 using various mini and micro computer systems. Three hours of laboratory per week.

MUS 437 RECORDING STUDIO MAINTENANCE (3).* *Prerequisite:* PHY 331. Installation, maintenance, trouble shooting, and repair of professional audio equipment in a studio environment. Two hours of lecture and three hours of laboratory per week.

MUS 438 MUSIC PRODUCTION (3). *Prerequisites:* MUS 430 and consent of instructor. Analysis of recordings and seminars in music production. Spatial and timbral ear-training techniques for recording engineers and producers. Also a variety of engineering and production topics presented by guest lecturers. Three hours of lecture per week.

MUS 439L MUSIC PRODUCTION LAB (1).* *Prerequisites:* Previous or concurrent enrollment in MUS 438 and consent of instructor. Practice in the production of studio recordings. Responsibility for music composition and arrangements, rehearsal, performance, studio and musician bookings, artist promotion, engineering assistance and artistic direction and management. Interdisciplinary projects involving video or theatre are also possible. Three hours of laboratory per week.

MUS 440 INTRODUCTION TO ORFF SCHULWERK (3). *Prerequisites:* MUS 101 and MUS 110 or consent of instructor. Basic principles of the early childhood music teaching methods developed by Carl Orff. Music education through movement, singing, speech and drama and use of Orff musical instruments. Two hours of lecture and two hours of activity per week.

MUS 445 STRING INSTRUMENTS (1). *Prerequisite:* MUS 110 or consent of instructor. Introduction to the principles and literature of string instruments, with emphasis on skills necessary for future teachers of instrumental ensembles. Two hours of activity per week. Instrument fee may be required.

MUS 446 WOODWIND INSTRUMENTS (1). *Prerequisite:* MUS 110 or consent of instructor. Introduction to the principles and literature of woodwind instruments with emphasis on skills necessary for future teachers of instrumental ensembles. Two hours of activity per week.

MUS 447 BRASS INSTRUMENTS (1). *Prerequisite:* MUS 110 or consent of instructor. Introduction to the principles and literature of brass instruments with emphasis on skills, necessary for future teachers of instrumental ensembles. Two hours of activity per week. Instrument fee may be required.

MUS 448 PERCUSSION INSTRUMENTS (1). *Prerequisite:* MUS 110 or consent of instructor. Introduction to the principles and literature of percussion instruments with emphasis on skills necessary for future teachers of instrumental ensembles. Two hours of activity per week. Instrument fee may be required.

MUS 470 CHAMBER MUSIC (1). *Prerequisite:* Consent of instructor. Study of music through small instrumental ensemble rehearsal and performance. Type of group may vary by section and semester. See Class Schedule for title. Public performances expected. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 471 CHAMBER SINGERS (1). *Prerequisite:* Consent of instructor. Study of music through small vocal ensemble rehearsal and performance. Public performances expected. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 472 JUBILEE CHOIR (1). *Prerequisite:* Consent of instructor. Study and performance of choral music of Afro-American culture. Public performances expected. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 473 JAZZ ENSEMBLE (1). *Prerequisite:* Consent of instructor. Techniques of improvisation and a study and performance of instrumental jazz repertoire. Public performances expected. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 475 BAND (1). *Prerequisite:* Consent of instructor. A study of music through rehearsal and performance of concert band music. Public performances expected. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 476 ORCHESTRA (1). *Prerequisite:* Consent of instructor. A study of music through rehearsal and performance of music for symphony orchestra. Public performances expected. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 477 CHORUS (1). *Prerequisite:* Consent of instructor. A study of music through rehearsal and performance of music for chorus. Public performances expected. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 479 MUSIC THEATRE WORKSHOP (1). *Prerequisites:* Audition and consent of instructor. Study of roles and representative excerpts from opera, operetta, and musical comedy and the basic musical, dramatic and language technique of the musical theatre. Performance of excerpts and complete musical theatrical works. Three hours of activity per week plus extra rehearsal and performance times to be arranged.

MUS 480 INDIVIDUAL LESSONS (1). *Prerequisites:* Audition and consent of department chair and instructor. Individual instruction in the student's major performance medium. Development of technique and repertoire. Audition and consent of department and instructor required. Individual lesson times are arranged with the studio teacher. Some lessons may be off-campus. Public performance and jury evaluation expected. Lessons are listed in the class schedule by voice or instrument. Lessons are available in voice, piano, harpsichord, organ, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, tuba, percussion, violin, viola, cello, string bass, harp, classical guitar, lute, commercial guitar, and electric bass. Primarily for performance majors. Instrument fee may be required.

MUS 481 INDIVIDUAL LESSONS: COMPOSITION AND ARRANGING (1). *Prerequisites:* Consent of department chair and instructor. Individual instruction and guidance with music composition and arranging projects. Individual lesson times are arranged with the instructor. Jury evaluation expected. Primarily for composition majors.

MUS 483 THE INTERPRETATION OF MUSIC (1). *Prerequisite:* Concurrent enrollment in upper division individual lessons or consent of instructor. Exploration of a wide variety of topics relating to the interpretation of music from various stylistic periods. Recorded examples and student performances will be analyzed and compared with particular attention given to historic authenticity and contemporary practices. Two hours of activity per week.

MUS 485 ROMANTIC MUSIC (3). *Prerequisites:* MUS 101 and MUS 110 or consent of instructor. Music of the Nineteenth Century. Beethoven, Von Weber, Schubert, Schumann, Berlioz, Liszt, Wagner, Brahms, Bruckner, Mahler, Wolf, Strauss, Verdi, Puccini and other composers. Study of styles of music to uncover the various musical, aesthetic, and social determinants underlying the musical literature. Three hours of lecture per week. Offered every other year.

MUS 486 TWENTIETH CENTURY MUSIC (3). *Prerequisite:* MUS 101 and MUS 110 or consent of instructor. Stravinsky, Schoenberg, Bartok, Cowell, Varese, Cage, Glass and other composers representing the various movements in twentieth century music. Three hours of lecture per week. Offered every other year.

MUS 493 RECITAL (1). *Prerequisite:* Concurrent enrollment in MUS 480 or MUS 580. Preparation and performance of a full or half music recital.

MUS 494 INDEPENDENT STUDY (1-3). *Prerequisites:* Consent of instructor and department chair. In consultation with a Music faculty member, the student investigates a scholarly topic or undertakes a creative project.

MUS 495 SPECIAL STUDIES IN MUSIC (1-3). Special topics vary by section and semester. See Class Schedule for title and prerequisites.

MUS 496 MUSIC INTERNSHIP (1-3). *Prerequisite:* Consent of department chair. Students participate in an off-campus internship with an approved employer. Provides for an integration of academic study and related work experience. CR/NC grading.

MUS 499 SENIOR PROJECT (3). *Prerequisites:* Consent of instructor and department chair. In consultation with a Music faculty member, student undertakes a major project which may be one of the following: original research and thesis on a given music history or theoretical topic, a creative project such as an original composition or a full recital with supporting scholarly program notes.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

MUS 580 PERFORMANCE, PERFORMANCE PRACTICES AND REPERTOIRE (2).* *Prerequisites: Audition and consent of department chair and instructor.* Individual lessons in the student's area of vocal or instrumental specialization incorporating practical performance with a scholarly investigation of performance practices of various historical periods and literature. Individual lesson times are arranged with the individual teacher. Some lessons may be off-campus. Public performance and jury evaluation expected. Lessons are listed in the class schedule by voice or instrument. Lessons are available in voice, piano, harpsichord, organ, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, tuba, percussion, violin, viola, cello, string bass, harp, classical guitar, lute, commercial guitar, and electric bass. Primarily for performance majors. Instrument fee may be required.

MUS 581 INDIVIDUAL LESSONS: COMPOSITION AND ARRANGING (1).* *Prerequisites: Consent of department chair and instructor.* Individual instruction and guidance with music composition and arranging projects. Individual lesson times are arranged with the instructor. Jury evaluation expected. Primarily for composition majors.

MUS 582 INDIVIDUAL LESSONS: CONDUCTING (1).* *Prerequisites: Consent of department chair and instructor.* Individual instruction and guidance in the technique of conducting instrumental and vocal ensembles. Individual lesson times are arranged with the instructor. Public performance and jury evaluation expected. Primarily for conducting majors.

MUS 593 RECITAL (1).* *Prerequisite: Concurrent enrollment in MUS 580.* Preparation and performance of a full or half music recital.

MUS 594 INDEPENDENT STUDY (1-3).* *Prerequisites: Consent of instructor and department chair.* In consultation with a Music faculty member, the student investigates a scholarly topic or undertakes a creative project.



NURSING

STATEWIDE PROGRAM

BACHELOR OF SCIENCE

CERTIFICATE

Public Health Nursing (undergraduate)
Quality Assurance (graduate)

MASTER OF SCIENCE

Nurse Educator Option
Nurse Administrator Option
Parent-Child Clinical Nurse Specialist Option
Gerontology Clinical Nurse Specialist Option

FACULTY

Judith Lewis, Director

Kathleen Johnston, Associate Director

Mary Cruise
 Graduate Program Coordinator

Marge Louderback
 Administrative Assistant

Nanci Kingsbury, Secretary

Angela Albright, Judith Chodil, Elizabeth Close-Pouchot, Colleen Ehrenberg, Laura Inouye, Mary Norton, Ruth Pease, Peggy G. Pegg, Mary Tedrow

Central Office (213) 516-3596 (local) or 1-800-352-7517
 For more complete information, call and request a current Schedule of Classes

PROGRAM DESCRIPTION

This program is open only to registered nurses. The Statewide Nursing Program (SNP) began in spring of 1981 with two major commitments: to make quality higher education in nursing more accessible to employed registered nurses and to ultimately improve health care in California.

Movement toward these goals is occurring through our bachelor of science in nursing (BSN) and master of science in nursing (MSN) programs. Both of these programs were originally funded by the W.K. Kellogg Foundation and contributions from individuals and health care organizations.

The curricula are responsive to the needs of adult learners whose time, lifestyles or work schedules make it difficult to complete a traditional course of study in residence at a campus. The program provides nursing professionals with varying interests and backgrounds with unique advantages such as:

- Classes designed to meet the needs of the adult learner.
- Opportunities to meet students with similar goals.
- Opportunities to study with CSU and other highly qualified adjunct faculty.
- Courses offered at geographically convenient locations throughout the state.
- Credit and course work transferable statewide.

Program Features

- **Modules**
 All courses are divided into one- and two-unit "mini courses" called modules. A one-unit module has two to three seminar meetings with assignments due before and after each seminar, and takes six to eight weeks to complete. Many students take several modules concurrently. Students must pre-register for each unit and obtain required course materials in order to prepare for the first class seminar. See details under the BSN

and MSN sections of this catalog for materials needed and the course registration procedure. The BSN section also outlines an assessment option whereby credit for selected undergraduate courses may be earned by passing standardized examinations.

- **Learning Resources**

In addition to the 19 libraries of the California State University system, and the general and specialized libraries of the University of California system, students also can utilize **SNP Learning Resource Centers**. These centers are a joint endeavor of the SNP and a collaborating health care or educational institution. The centers house audio-visual hardware, audiotapes, videotapes and computer programs, which complement SNP coursework.

- **Preceptorships/Clinical Affiliations**

Numerous health care agencies and other institutions throughout California are affiliated with the program for student field experience. Students are able to participate in performance courses (clinical laboratory/field experience) with the assistance of adjunct faculty (preceptor) as well as the course instructor.

- **Self-Directed Learning Materials**

Workbooks as well as videotapes, audiotapes, and/or computer programs are an integral part of every SNP course. Audio-visual materials are available for use at Learning Resource Centers. Required workbooks are available from Statewide Technical Books.

Rural Nursing Experience

Students have an opportunity to complete selected performance courses by arranging field experience with the Rural Nursing Center. The Center provides preceptorships in acute and/or community based nursing care in rural Northern California, and also assists students in locating reasonable room and board or family accommodations in vacation-like settings. Contact your advisor for further information.

Continuing Education (C.E.) Credit

All BSN and MSN courses are approved for C.E. credit by the Board of Registered Nursing at the rate of 15 contact hours per unit of theory. (BRN Provider Number 03594.) Your transcript is your certificate of completion.

ACADEMIC ADVISEMENT

The nursing program places a high priority on student advisement, beginning with general orientations for prospective students. Upon entering the program each student is assigned an academic advisor.

Students have ample opportunity to meet with their advisors to discuss academic and professional matters. All faculty are dedicated to helping students in the essential process of acculturation to professional practice and successful achievement of academic goals.

Students are urged to take advantage of an open invitation to meet with faculty members as soon as questions arise.

PREPARATION

- All students must be actively licensed as registered nurses. It is the student's responsibility to immediately report in writing any change in licensure status to the program director.
- All students must maintain proof of personal professional liability insurance coverage. Coverage is verified upon admission and at the beginning of each performance course.
- Students are responsible for obtaining any necessary health exams, immunizations, etc., required by the University or an affiliating clinical agency.
- Client confidentiality and other professional ethics must be respected.
- Each student must purchase their own copy of the BSN workbook or MSN syllabi required for a particular course/module.

UNDERGRADUATE PROGRAM

The undergraduate program prepares registered nurses for professional nursing practice. Through the application of the nursing process and other strategies to enhance critical thinking skills, graduates are prepared to function in a rapidly changing health care system as a member or leader of a health care team.

Program Objectives

Upon completion of the BSN program, the graduate will be able to:

- Provide professional nursing care throughout the life cycle of clients and families, and to communities of diverse cultural backgrounds through the application of critical thinking skills within the framework of the nursing process.
- Develop collaborative professional relationships as a member or leader of a health care team, which ensures the professional practice of nursing in planning, implementing and evaluating the health care needs of clients, and with consideration for the legal, ethical and moral constraints that affect nursing practice.
- Synthesize knowledge from the physical and behavioral sciences, nursing sciences and humanities to form a basis for professional practice; and contribute to the expansion of nursing knowledge through critical analysis of nursing literature and the application of beginning research skills.

Graduates are eligible for certification by the state of California as Public Health Nurses (PHN)

Admissions Requirements

1. Minimum of 56 semester units of transferable college credit with a grade point average of at least 2.0 (C).
2. Current RN licensure in the United States or an RN interim permit.

(RN licensure, and personal professional liability insurance are required prior to enrolling in a nursing performance course.)

Diploma Nurse Applicants. Diploma RNs who have not met the 56-unit entrance requirement may be considered for admission through the Undergraduate Preparatory Program.

Program Structure

The baccalaureate program comprises classes and/or examinations that include content essential for a professional nursing practice. Three options are open to the student:

1. A series of courses. Courses are offered in one-and two-unit modules. The student will take course work and be graded after each course module.
2. Selected courses may be completed solely by successful completion of an examination. The test may have a written and/or performance component. The student receives a study packet and takes the examination.
3. A combination of courses and assessments.

Academic Regulations

A cumulative grade point average of 2.0 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 term, he or she has failed to earn a grade point average of 2.0 or higher for the work taken that term. During the subsequent probationary term the student must achieve a grade point average of 2.0 or better. Failure to do so will result in dismissal from the program.

All integrated nursing and support courses/modules must be completed with a grade of "C" or better. A course/module may be repeated once according to University policy. Any student receiving a module grade of "D" or lower must meet with an assigned advisor before proceeding to enroll in additional courses/modules.

Courses and modules must be successfully completed in sequence.

Modules for courses are sequenced with the following exceptions:

- BSN 315 - 4 units, non-sequenced
- BSN 325 - 4 units, first and fourth unit sequenced
- BSN 345 - 4 units, first unit sequenced
- BSN 360 - 4 units, non-sequenced

MAJOR REQUIREMENTS - BS

A total of 132 semester units are required for the degree. In addition to the major, students must complete general education requirements.

Transfer

- Community College - maximum 70 units
- Four Year Institution - maximum 102 units

Nursing Major

SUPPORT COURSES

- BSN 315. Life Cycle (4)
- BSN 325. Culture and Health (4)
- BSN 335. Biochemistry (4)
- BSN 345. Pathophysiology (4)
- BSN 405. Statistics (3)

INTEGRATED NURSING COURSES

- BSN 310. Expanding Professional Nursing Horizons (2)*
- BSN 340. Professional Relationships in Nursing Practice (3)
- BSN 360. Professional Issues in Nursing (4)
- BSN 370. Health Teaching (2)
- BSN 380. Health Assessment (4)
- BSN 410. Health Management I (5)
- BSN 420. Health Management II (5)
- BSN 460. Research in Nursing Practice (3)
- BSN 480. Leadership in Nursing Practice (3)
- BSN 490. Management in Nursing Practice (3)

*All students must first enroll in BSN 310

Electives

- BSN 494. Independent Study (1-3)
- BSN 495. Special Topics/Colloquia (1-3)

PUBLIC HEALTH NURSE CERTIFICATE PROGRAM (undergraduate)

These courses satisfy the State of California Department of Health academic requirements for the state Public Health Nurse (PHN) Certificate. Current regulations for public health nurse certification require that the nurse be a graduate of a National League for Nursing (NLN) accredited BSN program. Recognizing the fact that other groups of nurses should be eligible, the Statewide Nursing Program and the State of California, Department of Health Services, have jointly developed the program described herein. This certificate program is administered by Kathleen Johnston, Associate Director.

To be eligible for this certificate program, applicants must: (1) hold a current RN license from the California Board of Registered Nursing and (2) hold a bachelor's degree under one of the following conditions:

- a. BSN graduate from a non-NLN accredited program offered by an accredited United States institution.
- b. Baccalaureate graduate with a degree from an accredited institution.

- c. Graduate of a BSN program from an accredited foreign institution. Foreign transcripts need to be evaluated by an approved international evaluation service. From the results of this evaluation, a transfer unit and general education analysis will be performed. More information will be sent regarding this process upon receipt of the application.

Each student applying for the certificate program is required to attend a day-long preparatory workshop. Previous nursing and related course work will be assessed for possible course substitution. Each student will receive guidance on optional completion of a BSN or MSN through the Statewide Nursing Program if a degree objective is desired.

Required Courses

- BSN 325. Culture and Health (4)
- BSN 345. Pathophysiology (4)
- BSN 405. Statistics (3)
- BSN 360. Professional Issues in Nursing (.2, .3, .4) (3)
- BSN 370. Health Teaching (2)
- BSN 380. Health Assessment (4)
- BSN 410. Health Management I (5)
- BSN 420. Health Management II (5)
- BSN 460. Research in Nursing Practice (3)

For additional information, call PHN Certificate Office, (213) 516-3596.

GRADUATE PROGRAM

The graduate program prepares professional nurses for advanced and specialized practice. The curriculum is organized around the role of the nurse in societal institutions with emphasis on the application of nursing theory. Our goal is the achievement of excellence in professional practice and the advancement of the profession through research, leadership and scholarship, which are for the ultimate benefit of society's health care needs.

Program Objectives

Upon completion of the program graduates will be able to:

1. Analyze nursing phenomena (human responses to actual or potential health problems) utilizing the research process and initiate and evaluate therapeutic action in advanced professional practice.
2. Contribute to the advancement of nursing education, practice and research through analysis, synthesis, application and expansion of nursing models and theories.
3. Demonstrate professional performance in advanced practice, through leadership roles and as participants in the sociotechnical health care delivery systems in order to benefit clients and the society at large.

Role-Emphasis Options

The curriculum offers the student a choice of role emphasis option of nurse educator, nurse administrator or clinical specialist in parent-child nursing or gerontology nursing. Through a personalized program of study the curriculum is individualized and reflective of the student's learning needs and professional goals.

Community College Teaching Credential

Students interested in teaching at the community college level in either a licensed vocational nursing program or a registered nursing (ADN) program are encouraged to pursue the nurse educator role option. Upon completion of the master's degree, the graduate seeks a community college teaching credential from the State of California.

Admission Requirements

1. Completion of a baccalaureate degree program with a NLN accredited upper division major in nursing (BSN) from a regionally accredited institution or the equivalent as determined by the Student Affairs Committee.

- Overall grade point average of 2.5 (on a four-point scale) or higher in the last 60 semester (90 quarter) units attempted, or demonstrated academic ability as required by the faculty, following the appeal process. (Registered nurse applicants who have already earned a master's degree in a major other than nursing should contact the graduate program secretary to arrange for preadmission advisement.)
- Current RN licensure in the United States.

Nurses with Non-Nursing Bachelor's Degrees

Registered nurses who have earned a bachelor's degree in another field may be eligible for the B.A./B.S. pathway leading to a MSN degree program upon completion of designated courses. Contact the Graduate Program Coordinator for further information.

Program Structure

All students complete 19 units of core courses and then begin role-emphasis courses.

Students may select role preparation from the following options:

- Nurse educator (with advanced clinical focus)
- Nurse administrator
- Parent-child clinical nurse specialist
- Gerontology clinical nurse specialist

Within the role emphasis option subspecialization may occur, for example, quality assurance for the nurse administrator and staff development or client education for the nurse educator.

Nurse educators develop expertise in a nursing content area by selecting an advanced clinical focus related to obstetrics, pediatrics or gerontology. The choice of clinical focus is made in MSN 540 and is reflected in the role performance courses as well as in the choice of electives. All students conclude their 36 units of master's preparation with a culminating graduate project. Modules for courses are sequenced with the exception of MSN 520. Courses and modules must be successfully completed in sequence. Any deviation in course/module requires prior written approval by the Program Director.

Academic Regulations

A cumulative 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 term, he or she has failed to earn a grade point average of 3.0 or higher for the work taken through that term. During the subsequent probationary term the student must achieve a grade point average sufficiently high to bring the 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 term must meet with the graduate advisor as soon as the grade report is issued.

MAJOR REQUIREMENTS - MS

The program requires 36 semester units of approved graduate study. The curriculum consists of core courses, role emphasis, role performance courses, and a directed project. Elective units round out the graduate program requirements.

Graduate Course Prerequisites

MSN courses 530, 550, 590 require the successful completion of prerequisites not offered as part of the graduate program. However, the prerequisite courses are available as undergraduate nursing courses. See the course descriptions.

- BSN 380. Health Assessment (4) or equivalent
- BSN 405. Statistics (3) or equivalent
- BSN 460. Research in Nursing Practice (3) or equivalent

The clinical specialist options also require the following as prerequisites to role-emphasis courses:

- BSN 325. Culture and Health or equivalent (4)
- BSN 315. Life Cycle or equivalent (4)
- BSN 345. Pathophysiology or equivalent (4)

Core Courses (22 units)

- MSN 500. Advanced Practice Perspectives (1) *
- MSN 510. Theory Development (3)
- MSN 520. Advanced Nursing Role in Societal Institutions (3)
- MSN 530. Scientific Inquiry in Nursing (3)
- MSN 540. Family Health Nursing (4)
- MSN 550. Role Performance: Family Health Nursing (2)
- MSN 590. Advanced Nursing Research (3)
- MSN 599. Directed Project (3)

*All students must first enroll in MSN 500.

Each student must select one of the options listed below:

Role-Emphasis Courses (14 units)

Nurse Educator Option

- MSN 521. Societal Institutions (4)
- MSN 531. Simulation Seminar (2)
- MSN 551. Teaching Strategies Role Performance (2)
- MSN 561. Advanced Clinical Role Performance (2)
- MSN 571. Culminating Role Performance (2)

Electives - Select a 2 unit module from either MSN 523 or MSN 524

Nurse Administrator Option

- MSN 522. Societal Institutions (4)
- MSN 531. Simulation Seminar (2)
- MSN 552. Change Theory Role Performance (2)
- MSN 562. Evaluation Role Performance (2)
- MSN 572. Culminating Role Performance (2)

Electives - Select 2 units

Parent-Child Clinical Nurse Specialist Option

- MSN 523. Clinical Specialist: Parent-Child (6)
- MSN 553. Early Childhood Role Performance (2)
- MSN 563. Emerging Family Role Performance (2)
- MSN 573. Early Childrearing Role Performance (2)
- MSN 583. Culminating Role Performance (2)

Gerontology Clinical Nurse Specialist Option

- MSN 524. Clinical Specialist: Gerontology (6)
- MSN 554. Initiating Gerontology Clinical Nurse Specialist Role Performance (2)
- MSN 564. Community Services Role Performance (2)
- MSN 574. Therapeutic Strategies Role Performance (2)
- MSN 584. Culminating Role Performance (2)

QUALITY ASSURANCE CERTIFICATE PROGRAM (graduate)

The Statewide Nursing Program offers a certificate program in Quality Assurance for BSN prepared nurses who want to develop graduate level knowledge and skill in implementing an institution-wide quality assurance program. Included in the course of study is utilization review, assessment and measurement of the level of care provided to clients, and the utilization of resources. This certificate program is administered by Dr. Mary Cruise, Graduate Program Coordinator.

To be eligible for this certificate program, applicants must (1) hold a current RN license; (2) hold a BSN degree from an accredited U.S. institution (Graduates of foreign institutions will need to have their transcripts evaluated by an international evaluation service. More information will be sent regarding this process upon receipt of the application.); and (3) have an overall grade point average of 2.5 (on a four-point scale) or higher in the last 60 semester (90 quarter) units attempted, or demonstrated academic ability as required by the Nursing faculty, following the appeal process.

Applicants must take MSN 500 as the first required course. Certain courses for the Quality Assurance (QA) Certificate require the successful completion of prerequisites not offered as part of the program. These are:

- upper division statistics course (inferential and descriptive) or equivalent
- introductory research course or equivalent.

The QA Certificate Program consists of 14 units of graduate coursework:

- MSN 500. Advanced Practice Perspectives (1)
- MSN 555. Quality Assurance in Health Care (3)
- MSN 530. Scientific Inquiry in Nursing (3)
- MSN 590. Advanced Nursing Research (3)
- MSN 522. Societal Institutions: Nurse Administrator (4)

COURSE OFFERINGS

Undergraduate

BSN 310 EXPANDING PROFESSIONAL NURSING HORIZONS (2).

Prerequisite: Admission to undergraduate program. The increasing complexity and changes in professional nursing demand constant evaluation and planning for formal and informal education. This course presents a systematic problem-solving approach which will help nurses assess their own roles and options, establish career goals, and identify resources which can guide them on a path toward fulfilling their own personal and professional aspirations.

BSN 315 LIFE CYCLE (4).

Prerequisite: BSN 310. The course explores the biological, psychological, cognitive, and social aspects of human development throughout each state of the life cycle. While the first three modules are organized around the growth of the individual within the context of the family, the fourth examines the developmental aspects of adults who are temporarily or permanently living an alternative lifestyle.

BSN 325 CULTURE AND HEALTH (4).

Prerequisite: BSN 310. This course explores the relationship between the various components of culture and the dynamics of health and illness. Basic anthropological concepts are used to interpret varying conceptions of health and illness and significant dimensions of cultural variations are analyzed in relationship to health attitudes. Basic tools for cross-cultural health studies are applied to specific problems in health. Human institutions and their connection to health and illness are examined from a cross-cultural perspective. Alternative health care delivery systems are compared and a transcultural approach to health care is presented.

BSN 335 BIOCHEMISTRY (4).

Prerequisite: BSN 310. This course explores the principles underlying the chemistry of living systems, including the molecular basis by which the human organism meets the vital needs of materials, energy and information. It provides an introduction to the chemistry of bioenergetics, metabolism, biosynthesis, and molecular physiology. By translating the unique language of biochemistry into understandable terms, this course will enable the health professional to apply the vocabulary and concepts of biochemistry to everyday practice.

BSN 340 PROFESSIONAL RELATIONSHIPS IN NURSING PRACTICE (3).

Prerequisite: BSN 310. This course explores professional interaction including the significance of personal awareness, beliefs, and values. Communication theory and styles are defined and the essential elements of a therapeutic relationship are analyzed. Attention is given to crisis intervention techniques. The course includes an integrated performance component where students in a field experience setting apply theoretical knowledge in communicating effectively with health team members, clients and families.

BSN 345 PATHOPHYSIOLOGY (4).

Prerequisite: BSN 335 or consent of faculty coordinator. This course explores the response of the human body to illness and injury with respect to common disorders of the major systems. Clinical correlations are provided to assist the health professional in applying this knowledge toward more effective patient care.

BSN 360 PROFESSIONAL ISSUES IN NURSING (4). *Prerequisite: BSN 310.* This course explores the foundations of professional nursing from historical, philosophical, ethical, political and legal perspectives. Significant issues are analyzed and strategies presented to foster excellence in nursing practice. The relationship between theory, research, and nursing process is discussed in-depth and related to problem solving in the profession. The health care delivery system is examined, as are the diverse roles and settings for nursing practice.

BSN 370 HEALTH TEACHING (2).

Prerequisite: BSN 315 and BSN 325. This course is designed to assist the professional nurse in addressing the learning needs of clients. In addition to enhancing his or her skills as a health teacher, the student will develop an understanding of the philosophical and scientific foundations of patient education as well as professional and social issues which confront those individuals who provide such services.

BSN 380 HEALTH ASSESSMENT (4).

Prerequisite: BSN 340, BSN 345, BSN 360, and BSN 370. This course provides an opportunity to gain the knowledge and skills required to perform a complete health assessment. In addition to history-taking and physical examination techniques, emphasis is also given to the analysis and synthesis of the data collected in order to identify health care problems and develop a management plan within the context of the nursing process. An integrated performance module provides the opportunity for application of knowledge and skills in the practice setting.

BSN 405 STATISTICS (3).

Prerequisite: Fulfillment of the ELM requirement and BSN 310. Satisfies the Quantitative Reasoning requirement. Includes development and application of the following topics: Descriptive and Inferential Statistics, Mathematics of Finance, Linear Programming and Graph Theory.

BSN 410 HEALTH MANAGEMENT (5).

Prerequisite: BSN 380. This course investigates how the community health nurse promotes the health of individuals and families in the community. The theoretical foundations and methodology of community health nursing practice are explored as well as the health barriers which the community health nurse seeks to overcome. Family theory and the family nursing process are analyzed. The course also examines how a community health nurse working in a home health care agency addresses the nursing care problems of specific client populations. The course also includes a performance component where students in a field-experience setting apply the theoretical constructs of community health nursing to health care situations encountered in a community health agency. The performance component may be completed concurrently with the BSN 420 performance component directly following completion of all BSN 410 and 420 theory modules.

BSN 420 HEALTH MANAGEMENT II (5).

Prerequisites: BSN 410 and BSN 460 or consent of faculty coordinator. This course explores the field of community health nursing from an epidemiological perspective and focuses on the personal and environmental health of the total population. Attention is given to group process and change agency. Methods of epidemiology are examined and related to appropriate nursing interventions at each level of prevention. Epidemiological principles are applied to situations that community health nurses commonly encounter in their work with official health departments. The course also includes a performance component where students in a field experience setting apply the theoretical constructs of community health nursing to health care situations encountered in the official department.

BSN 460 RESEARCH IN NURSING PRACTICE (3).

Prerequisite: BSN 405. This course examines the evolution of contemporary nursing research and its relationship to nursing science, theory, and practice. From the perspective of the investigative role of the professional nurse, knowledge of the research process will be developed and applied to skillful and systematic analysis of research studies and findings. The process of developing a research proposal, derived from a practice issue or question will be examined.

BSN 480 LEADERSHIP IN NURSING PRACTICE (3). *Prerequisite:* BSN 420 and BSN 460. This course explores effective and ineffective leadership styles and the role of leader is emphasized. Change agency processes are discussed and factors affecting assignment-making and evaluation of personnel are identified. The course includes an integrated performance component where students in a field experience setting practice professional nursing leadership for a nursing team, including team conferences, patient assignments, problem-solving, written communications within an institution, and performance appraisals of nursing personnel.

BSN 490 MANAGEMENT IN NURSING PRACTICE (3). *Prerequisites:* BSN 420 and BSN 460. This course explores contemporary management theories, issues of power sharing, labor relations management, patient care evaluation, standards development and the emergence of computers as a management tool for nursing. The course includes an integrated performance component where students in a field experience setting practice systems analysis, flow charting, performance evaluation, nursing policy development, nursing quality evaluation and financial evaluation of a segment of a nursing system.

BSN 494 INDEPENDENT STUDY (1-3). A course of study designed cooperatively by student and instructor, and approved by the Program Director, to accomplish individualized learning objectives that are appropriate to the role of the professional nurse. (Students should contact their advisor prior to enrolling to determine the appropriateness of this course for degree completion.)

BSN 495 SPECIAL TOPICS/COLLOQUIA (1-3). This course offers student groups an opportunity to explore a topic of current interest to the nursing profession with colleagues, faculty and special guest speakers.

Graduate

MSN 500 ADVANCED PRACTICE PERSPECTIVES (1). *Prerequisite:* Application to the graduate program in nursing or the Quality Assurance Certificate Program. An exploration of issues related to preparation for advanced nursing practice including role options in various practice settings. Strategies for success in non-traditional graduate nursing education are explored including adult learning theory, literature search skills, scholarly writing and the use of computers.

MSN 510 THEORY DEVELOPMENT (3). *Prerequisite:* MSN 500. This course examines the evolution of contemporary nursing models, theories and the process of theory development. The process of critical analysis of existing nursing and related theories as well as the actual construction of theoretical models is emphasized.

MSN 520 ADVANCED NURSING ROLE IN SOCIETAL INSTITUTIONS (3). *Prerequisite:* MSN 500. Examination of the advanced role of the nurse in societal institutions from the perspective of the health care delivery system and of selected advanced and expert nursing roles. Organizational theory and strategies for nursing leadership are analyzed.

MSN 521 SOCIETAL INSTITUTIONS: NURSE EDUCATOR (4). *Prerequisite:* MSN 540. This course examines the role of the nurse educator within societal institutions, beginning with an historical overview as an antecedent to the current status of nursing education. The theory and process of curriculum development is analyzed, with particular emphasis on contemporary issues and accreditation realities. Students will develop specific knowledge and skill in transforming a curricular framework into an instructional design which reflects contemporary theories of teaching and learning. Finally, students have the opportunity to focus on strategies for teaching client care to students of nursing.

MSN 522 SOCIETAL INSTITUTIONS: NURSE ADMINISTRATOR (4). *Prerequisite:* MSN 540. This course examines the evolution and contemporary status of the role of the nursing service administrator within complex systems. Particular emphasis will be placed upon the management of primary organizational, financial and human resources. The utilization of information science and technology will be applied to key managerial functions. Selected conceptual tools will be analyzed for application to leadership roles in nursing care system management.

MSN 523 CLINICAL NURSE SPECIALIST: PARENT CHILD (6). *Prerequisite:* MSN 540 and 550. Focuses on the childbearing family from conception through early childbearing, emphasizing psych-socio-developmental aspects of individual, family and parent growth, and complex family relationships. Nursing assessment, diagnosis, intervention and evaluation in common alterations in health, and to high-risk actual or potential health problems examined. Advanced role of the nurse in the planning, development, implementation, and evaluation of programs for special populations will be emphasized.

MSN 524 CLINICAL NURSE SPECIALIST: GERONTOLOGY (6). *Prerequisite:* MSN 540 and 550. Theoretical perspectives on aging and normative aging processes within the context of the family and society. Nursing assessment, diagnosis, intervention and evaluation will be applied to common alterations in health as well as to high-risk human responses health problems associated with aging. The advanced nursing role in promoting, maintaining and advocating health for senior adults is emphasized as well as programs which foster self-care in the senior population.

MSN 530 SCIENTIFIC INQUIRY IN NURSING (3). *Prerequisite:* BSN 460 or equivalent and MSN 500. Examination of the emergence of nursing science and the investigative role of the nursing. Presentation of qualitative and quantitative research methods in advanced nursing role and the principles and processes of critical thinking.

MSN 531 SIMULATION SEMINAR (2). *Prerequisite:* MSN 521 or 522. The simulation seminar provides an opportunity for the application of role emphasis theory through participation in a prescribed scenario which requires a synthesis and creative application of knowledge. In addition, the simulations provides the student with interactional opportunities to develop experience in collegial leadership, decision making and collaborative problem solving. Contemporary issues, which impact nursing and health care and create ethical dilemmas, provide additional substance for the simulations.

MSN 540 FAMILY HEALTH NURSING (4). *Prerequisite:* MSN 510 and 530. This course examines the theoretical and conceptual basis for advanced clinical nursing practice in the diagnosis and treatment of human responses to actual and potential health problems within family groups. Students will focus on a selected phase of the family life cycle and the advanced nursing strategies required to provide quality, cost effective care.

MSN 550 ROLE PERFORMANCE: FAMILY HEALTH NURSING (2). *Prerequisite:* BSN 380 or equivalent and MSN 540. This course provides an opportunity for the student to synthesize and apply a selected conceptual model of nursing and appropriate family theories in the care of clients/family groups requiring health problems under the supervision of an instructor and preceptor. Nursing implemented and evaluated.

MSN 551 TEACHING STRATEGIES: NURSE EDUCATOR (2). *Prerequisites:* MSN 521 and MSN 531 and 2 units from either MSN 523 or MSN 524. A previously selected nursing clinical focus provides the basis for implementing the nurse educator role in an educational institution or health care setting. Under the supervision of an instructor and a preceptor, the student will apply and evaluate didactic and clinical teaching concepts and strategies.

MSN 552 CHANGE THEORY ROLE PERFORMANCE: NURSE ADMINISTRATOR (2). *Prerequisites:* MSN 522 and MSN 531. An opportunity for the student to initiate the nurse administrator role in a selected health care setting, focusing on a change project. Under the supervision of an instructor and a preceptor, the student will formulate, implement and evaluate a change plan based on a conceptual nursing model.

MSN 553 CHILDBEARING FAMILY ROLE PERFORMANCE: PARENT-CHILD CNS (2). *Prerequisite:* MSN 523. An opportunity for the student to implement the clinical nurse specialist role in a selected health care setting which focuses on the childbearing family. Under the supervision of an instructor and clinical preceptor, the student will provide comprehensive advanced clinical nursing care in collaboration with the multidisciplinary health care team.

MSN 554 GERONTOLOGY CLINICAL NURSE SPECIALIST ROLE PERFORMANCE (2). *Prerequisite:* MSN 524. An opportunity for the student to implement the gerontological nurse specialist role in a selected health care setting. Under the supervision of an instructor and clinical preceptor, concepts influencing legislative regulatory and economic policy will be applied to clinical nursing practice.

MSN 555 QUALITY ASSURANCE IN HEALTH CARE (3). *Prerequisite:* MSN 500. This course examines the historical evolution of quality assurance programs in health care, including the political and fiscal aspects. Methodologies for implementing an institutional quality assurance program and strategies for identifying and making needed improvements are explored along with mechanisms for evaluating the total program.

MSN 561 ADVANCED CLINICAL ROLE PERFORMANCE: NURSE EDUCATOR (2). *Prerequisite:* MSN 551. Under the supervision of an instructor and preceptor, the student demonstrates advanced clinical knowledge and competency with a selected client population. Opportunity is provided to apply clinical knowledge and skill to a teaching situation.

MSN 562 EVALUATION ROLE PERFORMANCE: NURSE ADMINISTRATOR (2). *Prerequisite:* MSN 552. An opportunity for the student to initiate the nurse administrator role in a selected health care setting, focusing on forces shaping the role of a nurse administrator in departmental and institutional governance. Under the supervision of an instructor and a preceptor, the student will apply valid and reliable measures of performance evaluation to nurse administrator performance and organizational performance.

MSN 563 EMERGING FAMILY ROLE PERFORMANCE: PARENT-CHILD CNS (2). *Prerequisite:* MSN 553. An opportunity for the student to initiate the clinical nurse specialist role in a selected health care setting which focuses on the emerging family. Under the supervision of an instructor and clinical nursing care in collaboration with the multidisciplinary health care team.

MSN 564 COMMUNITY SERVICES ROLE PERFORMANCE: GERONTOLOGY CNS (2). *Prerequisite:* MSN 554. An opportunity for the student to explore community-based programs providing service to the senior adult. Under the supervision of an instructor and clinical preceptor the student will provide comprehensive nursing care to clients in a selected care setting with emphasis on alternatives for long-term care.

MSN 571 CULMINATING ROLE PERFORMANCE: NURSE EDUCATOR (2). *Prerequisite:* MSN 561. An opportunity for the student to synthesize knowledge and skill from previous graduate theory and clinical coursework toward the full realization of the nurse educator role in a selected educational institution or health care setting, including participation in governance.

MSN 572 CULMINATING ROLE PERFORMANCE: NURSE ADMINISTRATOR (2). *Prerequisite:* MSN 562. An opportunity for the student to initiate the nurse administrator role in a selected health care setting, focusing on professional and regulatory requirements. Under the supervision of an instructor and a preceptor, the student will formulate a nursing service plan for integrating quality measures with cost control and case management practice.

MSN 573 EARLY CHILDBEARING ROLE PERFORMANCE: PARENT-CHILD CNS (2). *Prerequisite:* MSN 563. An opportunity for the student to initiate the clinical nurse specialist role in a selected health care setting which focuses on the early childbearing family. Under the supervision of an instructor and clinical preceptor, the student will provide comprehensive advanced clinical nursing care in collaboration with the multidisciplinary health care team.

MSN 574 THERAPEUTIC STRATEGIES ROLE PERFORMANCE GERONTOLOGY CNS (2). *Prerequisite:* MSN 564. An opportunity for the student to develop clinical expertise for common health alterations experienced by the senior adult. Under the supervision of an instructor and clinical preceptor, the student will provide comprehensive nursing care in collaboration with the multidisciplinary health care team.

MSN 583 CULMINATING ROLE PERFORMANCE: PARENT-CHILD CNS (2). *Prerequisite:* MSN 573. An opportunity for the student to select a field setting and operationalize a comprehensive CNS role in a narrowly focused clinical specialty.

MSN 584 CULMINATING ROLE PERFORMANCE: GERONTOLOGY CNS (2). *Prerequisite:* MSN 574. An opportunity for the student to perform the clinical nurse specialist role in a selected health care setting. Under the supervision of an instructor and clinical preceptor, the student applies case management skills in providing care to senior adult clients and their families.

MSN 590 ADVANCED NURSING RESEARCH (3). *Prerequisite:* BSN 405 and 460 or equivalent and MSN 530. This course focuses on research processes, methods and comparative research design. Emphasis will be placed on critical analysis of nursing studies and interpretation of nursing research findings. Models for clinical practice innovation through utilization of nursing research will be examined.

MSN 594 INDEPENDENT STUDY (1-3). A course of study designed cooperatively by student and instructor, and approved by the Program Director, to accomplish individualized learning objectives that are appropriate to the role of the professional nurse. (Students should contact their advisor prior to enrolling to determine the appropriateness of this course for degree completion.)

MSN 595 SPECIAL TOPICS/COLLOQUIA (1-3). This course offers student groups an opportunity to explore a topic of current interest to the nursing profession with colleagues, faculty and special guest speakers.

MSN 599 DIRECTED PROJECT (3). *Prerequisite:* Advancement to Candidacy, MSN 590 and permission of the Graduate Program Coordinator. The goal of all students enrolled in this course is to complete a project under the guidance of an assigned instructor. It is the culminating learning experience of a performance-based curriculum which emphasizes the role and function of advanced nursing practice in health care organizations. To meet the standards established by the faculty the project must demonstrate a rigorous scientific approach, use a clearly documented theoretical framework, and have practical application to the student's selected role emphasis.

MSN 600 PROJECT CONTINUATION COURSE (0). Students who have not completed their MSN 690 Directed Project by the end of the term may enroll in the following term in the Project Continuation Course for one additional term.



PARALEGAL STUDIES

CERTIFICATE

FACULTY

Jeanne Curran, Program Coordinator

Bill Blischke, Gary Colboth, Jeanne Curran, George Heneghan, Marilyn Garber, George Heneghan Naomi Moy, Stan Schoen

Charlene Sanders, Program Secretary
SBS G-326, (213) 516-3434

PROGRAM DESCRIPTION

The Certificate in Paralegal Studies is designed to prepare and qualify recipients for employment as paralegals in the private and public sectors. A paralegal is essentially a legal assistant who works under the supervision of a lawyer and functions as a vital member of a law office team. Such paraprofessional positions have been created by many public and private law offices to help meet the increasing demands for their services. The American Bar Association officially has encouraged the training and employment of paralegals in the legal professions.

Paralegal work involves doing legal research, interviewing clients, representing clients before some administrative agencies, assisting in the drafting and interpreting of legal documents, and participating in various other paraprofessional legal activities.

Courses in Paralegal Studies may be taken by upper-division CSU Dominguez Hills students pursuing an academic degree and by students who already have received a college degree. Upon completion of the program (27 units), such students will receive the Certificate in Paralegal Studies. Although the program itself may not be taken as a major or minor, the courses required for the certificate may be used by degree-seeking students, when appropriate, to satisfy the requirements for major or minor in other areas.

The program also is designed for those who are employed already in a law-related career or have related work experience, but have not completed at least 33 semester units of lower division general education and law-related courses. Such students must obtain prior approval from the Paralegal Studies Coordinating Committee before enrolling in the program. Upon completing the program with a minimum GPA of 2.0 (C), such students receive an official Letter of Completion verifying the sequence of courses satisfactorily passed.

The program offers a number of courses useful to those who are planning to enter a law-related career other than that of paralegal. Some of the courses provide excellent law school preparation, others provide preparation for careers in law enforcement, careers in immigration, etc. For advising, interested students should see the program coordinator.

FEATURES

The General Certificate program has four major components. First, there are three core courses (9 units) dealing with paralegal skills and the practical aspects of court procedures. Second, there are training courses (12 units) that inform students of the basic substantive law corresponding to areas in which paralegals are currently finding employment, the uses of the computer in the law office and advanced legal research methods and skills. Third, there are law-related and other substantive law courses to acquaint students with other aspects of law and the broader context in which the law operates — both of which relate to the work environment of the paralegal. Students are to select one course from the list provided. Fourth, the program provides for an internship (3 units) in public law agencies or private law offices. It provides opportunities for demonstrating and applying the legal

and liberal arts knowledge gained from the other three components of the program. Students frequently work with clients under an attorney's supervision and occasionally present cases in an administrative law setting.

In addition to the 27-unit program outlined above, course work in accounting (ACC 230 and ACC 231) is highly recommended. Although these courses are not required, knowledge of their contents considerably enhances the paralegal's ability to operate with maximum effectiveness in a law office.

In addition to the courses offered by the program a library of videotapes is available through Phi Alpha Delta, SBS B-326. These tapes cover a wide variety of topics from LSAT preparation to understanding legal reasoning to conversations with prominent lawyers. All students are welcome to view them at their convenience.

Interactive learning disks on legal writing, vocabulary, reasoning, etc. are available for the use of program students and other students in the Legal Research and Information Office, SBS B-331. Students not in the program who wish to use these disks should meet with the program coordinator.

ACADEMIC ADVISEMENT

In paraprofessional programs such as Paralegal Studies, students need to think of faculty advisement as critical to their success.

In the process of acquiring specialized skills in legal research and writing, counseling and interviewing, students are encouraged to check with their course instructor if problems arise. Although students routinely should seek faculty advisement on scheduling and other matters, it is especially important at the beginning of the program and towards the end when the student is ready to take the internship. Indeed, at this latter juncture, faculty advisement is mandatory in order to determine whether the student has completed the prerequisite courses with the appropriate grades. Members of the Paralegal Studies Coordinating Committee assist students in advisement matters. A call to the Paralegal Studies Office will suffice to get the student in touch with an advisor.

PREPARATION

High school students are encouraged to take English composition, business law and social science courses, including civics, history and economics.

Community college transfer students should try to complete their general education courses before enrolling in our program. There is no particular advantage in taking paralegal courses at the community college level since lower-division units are not transferable to our upper-division program.

CAREER POSSIBILITIES

There are an increasing number of jobs for paralegals in a variety of settings. Many private law firms have paralegals as part of their office staff to ease their case work in such areas as corporate, probate, and immigration law and general litigation. There is also a growing recognition of the need for paralegals in some government agencies, including legal aid offices, consumer and social security agencies. In addition, some nonprofit social and political action groups (such as consumer, environmental and senior citizens' organizations) have begun to hire paralegals.

STUDENT ORGANIZATIONS

Phi Alpha Delta

Students are encouraged to join and participate in the University's local chapter of Phi Alpha Delta, a pre-law and law-related career society. The chapter holds meetings and provides services in career preparation activities. Its office is in SBS B-326. Members also are available in the Legal Research and Information office, SBS B-331.

CERTIFICATE REQUIREMENTS (27 units)

A. Core Courses (9 units)

All of the following are required:

- PLG 300. Introduction to Paralegal Studies (3)
- PLG 301. Legal Research, Writing and Analysis (3)
- POL 305. Basic Concepts of Law: Procedural (3)

B. Training Courses (12 units)

- PLG 395. Special Topics (2, 3)
- POL 304. Basic Concepts of Law: Substantive (3)
- POL 368. Family Law (3)
- SOC 328. Social Agencies: Practice/Power (3)
- SOC 307. Micro Computer Data Base Applications in Social Science (3)
- IDS 320. Interdisciplinary Topics in Human Studies: Encounters with the Law (3) (Advanced Legal Research Component) or
- PLG 498. Advanced Legal Research and Writing (3)+

C. Law-Related and Other Substantive Law Courses (3 units)

One of the following:

- LAW 340. Law of Business Organizations (3)
- COM 302. Law of the Mass Media (3)
- HIS 351. History of American Law (3)
- LBR 412. Labor Law (3)
- POL 360. American Constitutional Law: Distribution of Power (3)
- POL 361. American Constitutional Law: Civil Rights (3)
- POL 362. Consumer Protection Law and Policy (3)
- SOC 367. Sociology of Law (3)

D. Internship (3 units)

- PLG 496. Internship (3)+

COURSE OFFERINGS IN PARALEGAL STUDIES

Upper Division

PLG 300 INTRODUCTION TO PARALEGAL STUDIES (3). 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 theory and strategies of legal interviewing and counseling, negotiation and settlement. Three hours of lecture per week.

PLG 301 LEGAL RESEARCH, WRITING, AND ANALYSIS (3). An examination of the fundamentals of legal research, the use of the law library, and legal research tools. Practice in drafting legal documents and applying the reasoning and analytic process to practical legal problems. Three hours of lecture per week.

PLG 395 SPECIAL TOPICS (1-3).* Study of a single topic of special interest in Paralegal Studies, such as Litigation practice, Corporate practice, Immigration Law, Probate Law. One to three hours of lecture per week.

PLG 496 INTERNSHIP (3).* Prerequisites: PLG 300 and PLG 301, with a grade of "B/C" or better in each course, and consent of and prior arrangement with faculty supervisor is recommended. Supervised work experience (160 hours) in the paralegal field with emphasis on training and application of legal research, writing and interviewing skills. Field work placements in both public and private legal sectors. CR/NC grading.

PLG 498 ADVANCED LEGAL RESEARCH AND WRITING (2,3).* Prerequisites: PLG 301, and consent of instructor. Independent research on single topic or series of issues with particular emphasis on application of legal research skills, case-law research and analysis, and memo, report and brief writing.

+Consult course description for prerequisite(s).

*Repeatable course.



PHILOSOPHY

BACHELOR OF ARTS

Philosophy Option
Religious Studies Option

MINOR

Philosophy

FACULTY

John LaCorte, Department Chair

Charles Fay, William Hagan, Donald Lewis, Eiichi Shimomisse

Mark Phillips, Department Secretary
HFA E-313, (213) 516-3328

PROGRAM DESCRIPTION

The Department of Philosophy and Religious Studies offers a major with concentrations in philosophy and in religious studies. Our program provides a strong foundation in the history of Western thought and deals with a variety of ongoing philosophical and religious issues, tracing them from their origins in early Greek writings to current theories and perspectives.

The General Option provides students with a substantial grounding in the traditions of Western thought, guiding them through the exploration of both the theoretical and practical aspects of a wide range of subjects including ethics and values. This is presently of particular importance because of the great shifts taking place in our society resulting from dramatic technological and social change.

The Religious Studies Option builds on the historical underpinnings provided by the courses in the history of Western philosophy, bringing specific focus to the evolution of the Judeo-Christian tradition in the West, and its interplay with the development of Western philosophy and culture. This option also provides students with the opportunity to explore and contrast these traditions with the religious philosophies of other major world religions such as Buddhism, Hinduism and Taoism.

FEATURES

The faculty of the Department of Philosophy and Religious Studies bring with them a wide spectrum of preparation and interest in the field. Several have published books and/or articles and are actively involved in continuing research and writing in their areas of interest.

In scheduling classes, the department endeavors to make it possible for a student who works during the day to complete the entire major during the late afternoon and evening hours. Detailed information describing up-coming course offerings is available in the department office several months prior to each semester.

ACADEMIC ADVISEMENT

The Philosophy and Religious Studies Department is located in HFA E-313. For information, call 516-3328.

Students should consult an advisor as early as possible so that the most suitable combination of courses can be planned in advance.

PREPARATION

High school students are encouraged to take four years of English and courses in the social sciences.

Transfer students should contact their counseling office or the CSU Dominguez Hills Philosophy and Religious Studies office to identify appropriate lower division major/minor preparatory courses.

CAREER POSSIBILITIES

Either option will provide students with the mental tools and skills necessary for clear thinking and analysis. Students will find that either option will provide them with the means of more fully understanding the intricacies of virtually any area chosen as a basis for livelihood. Students also might consider either option as a "second major," providing a balance for their primary major, be it in the humanities or the sciences.

MAJOR REQUIREMENTS - BA (27 units)**Lower Division Requirements (3 units)**

PHI 250. Introduction to Philosophy (3)

Upper Division Requirements (24 units)**A. Required Courses**

PHI 301. Presocratics, Socrates, Plato, Aristotle (3)

PHI 303. Descartes to Kant (3)

PHI 304. Hegel to Nietzsche (3)

B. Majors are required to choose four courses in the area of Philosophy or Religious Studies (12 units)**OPTION IN PHILOSOPHY**

PHI 302. Hellenistic and Medieval Philosophy (3)

PHI 305. Recent Philosophy (3)

PHI 315. Ethics (3)

PHI 321. Aesthetics (3)

PHI 331. Social and Political Philosophy (3)

PHI 365. Knowledge and Reality (3)

PHI 384. Eastern Philosophy (3)

OPTION IN RELIGIOUS STUDIES

PHI 302. Hellenistic and Medieval Philosophy (3)

PHI 380. Philosophy of Religion (3)

PHI 381. Understanding the Bible: Old Testament (3)

PHI 382. Understanding the Bible: New Testament (3)

PHI 383. Comparative Religions (3)

PHI 384. Eastern Philosophy (3)

PHI 385. Contemporary Theological Issues (3)

C. PHI 490. Seminar (3)**MINOR REQUIREMENTS****MINOR IN PHILOSOPHY (15 units)**

A. PHI 250. Introduction to Philosophy (3)

B. Four additional courses (12 units) in upper division Philosophy, selected upon advisement.

COURSE OFFERINGS IN PHILOSOPHY**Lower Division**

PHI 101 VALUES AND SOCIETY (3). The role of values as motivations and as goals in our lives. General knowledge of what values are and how they influence us on individual and societal levels. Students are asked to construct solutions to value problems, for example, problems of justice. Essays as well as exams. Three hours of lecture per week.

PHI 102 HUMANITY, NATURE AND GOD (3). Critical examination of perennial philosophical issues such as the existence of God, free will, truth. Both Western and non-Western perspectives are discussed. Gives student general understanding of his/her societal context. Essays as well as exams. Three hours of lecture per week.

PHI 120 CRITICAL REASONING (3). Introduction to methods of critical thinking including the nature of arguments, formal and informal fallacies, deductive and inductive arguments. Provides student with critical skills in both academic and non-academic context. Three hours of lecture per week. Grading A-C/NC.

PHI 250 INTRODUCTION TO PHILOSOPHY (3). A critical analysis of the history and nature of the perennial problems in philosophy from both Western and non-Western perspectives. Intended for students preparing for advanced studies in philosophy. Three hours of lecture per week.

Upper Division

PHI 301 PRESOCRATICS, SOCRATES, PLATO, ARISTOTLE (3). *Prerequisite: PHI 250 is recommended.* A critical study of the foundations of Western civilization as found in ancient Greek thought. Three hours of lecture per week.

PHI 302 HELLENISTIC AND MEDIEVAL PHILOSOPHY (3). *Prerequisite: PHI 250 is recommended.* Ancient and Roman philosophy as it evolves through Christianity from Augustine to Aquinas. Three hours of lecture per week.

PHI 303 DESCARTES TO KANT (3). *Prerequisite: PHI 250 is recommended.* Western thought as manifest through the evolution of the philosophical systems of Rationalism, Empiricism and Critical Philosophy. Three hours of lecture per week.

PHI 304 HEGEL TO NIETZSCHE (3). *Prerequisite: PHI 250 is recommended.* Nineteenth century European philosophy focusing on thinkers such as Hegel, Kierkegaard, Marx and Nietzsche. Three hours of lecture per week.

PHI 305 RECENT PHILOSOPHY (3)* *Prerequisite: PHI 250 is recommended.* Contemporary American and European philosophy including Pragmatism, Structuralism, Phenomenology, Existentialism, Neo-Marxism and the philosophical implications of Freud's thought. Specific topic indicated in class schedule. Three hours of lecture per week.

PHI 315 ETHICS (3). *Prerequisite: PHI 250 is recommended.* An historical examination of the nature of "good" and of moral obligation as these problems have evolved in Western philosophy. Three hours of lecture per week.

PHI 318 CONTEMPORARY MORAL PROBLEMS (3). A critical analysis from traditional, current and future perspectives of moral questions arising from the cultural shifts generated by rapid technological and social change including abortion, euthanasia, genetic engineering, war and sexuality. Three hours of lecture per week.

PHI 321 AESTHETICS (3)* A critical examination of our beliefs about the nature of beauty in the context of art, music, literature and film. Topics include artistic creativity, aesthetic experience, criticism and evaluation. Specific topic indicated in class schedule. Three hours of lecture per week.

PHI 331 SOCIAL AND POLITICAL PHILOSOPHY (3). *Prerequisite: PHI 250 is recommended.* Historical and contemporary theories on the scope and legitimacy of political authority: discussion of various contract theories of the state and of the relationships between rights of individuals and rights of states. Three hours of lecture per week.

PHI 340 SYMBOLIC LOGIC (3). *Prerequisite: PHI 120 is recommended.* Principles of symbolic logic and the standard notations and methods used in determining the validity of arguments. Three hours of lecture per week.

PHI 365 KNOWLEDGE AND REALITY (3). *Prerequisite: PHI 250 is recommended.* An historical analysis of the relationship between knowledge and the nature of "reality" with special emphasis on contemporary Anglo-American thinkers such as Frege, Russell, Wittgenstein, Moore, Carnap, Quine and Austin. Three hours of lecture per week.

*Repeatable course.

PHI 380 PHILOSOPHY OF RELIGION (3). A philosophical analysis of the nature of Western religion: fundamental concepts of God, the theistic proofs, evil, religious experience, miracles and of religious language and truth. Three hours of lecture per week.

PHI 381 UNDERSTANDING THE BIBLE: OLD TESTAMENT (3). The Old Testament studied in light of modern archeology and scholarship, including methods of its interpretation. Emphasis is given to the Pentateuch, the first five books. Three hours of lecture per week.

PHI 382 UNDERSTANDING THE BIBLE: NEW TESTAMENT (3). The New Testament studied in light of modern archeology and scholarship, including methods of its interpretation. Emphasis is given to the Gospels and other key portions for their philosophical views. Three hours of lecture per week.

PHI 383 COMPARATIVE RELIGIONS (3). A study of the relationship of the various religious perspectives of the world, their rituals, their influence on society and their philosophical implications. Three hours of lecture per week.

PHI 384 EASTERN PHILOSOPHY (3).* The evolution and meaning of various non-Western traditions will be discussed. Selected topics will include Hinduism, Buddhism, Zen Buddhism, Shintoism, Confucianism. Emphasis on significance in India, China and Japan. Three hours of lecture per week.

PHI 385 CONTEMPORARY THEOLOGICAL ISSUES (3).* Selected topics in such areas of current interest as liberation theology, feminist theology, process theology, fundamentalism, and science and religion. Specific topic will be indicated in class schedule. Three hours of lecture per week.

PHI 387 DEATH AND THE AFTERLIFE (3). An inquiry into various religious and philosophical perspectives on the meaning and inter-relationship of life, death and belief in an afterlife. Three hours of lecture per week.

PHI 388 ORIGINS OF CHRISTIANITY (3). Critical analysis of the development of the Christian movement from its origins through the second century. Three hours of lecture per week.

PHI 389 MEDITATION (3).* 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. Only 3 units may be used for Philosophy minor requirements. Two hours of lecture; two hours of activity per week.

PHI 490 SEMINAR (3).* *Prerequisite: PHI 250 is recommended.* A critical analysis and interpretation of a major philosophical or religious system or issue in respect to its presuppositions, task, method, problems and solutions. Three hours of seminar per week.

PHI 494 INDEPENDENT STUDY (1-3).* *Prerequisite: PHI 250 is recommended.* Study of a particular philosophical or religious problem, individually or as a team or group, under the direction of a faculty member. Only 3 units may be used for Philosophy minor requirements.

PHI 495 SPECIAL TOPICS (3).* *Prerequisite: PHI 250 is recommended.* An intensive study of a concept, movement or individual in Philosophy or Religious Studies. Intended for students with senior standing and having fulfilled major requirements Category A. Specific topic listed in class schedule. Three hours of seminar per week.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

PHI 595 SPECIAL TOPICS (3).* *Prerequisite: PHI 250 is recommended.* An intensive study of a concept, movement or individual in Philosophy or Religious Studies. Intended for students with senior or graduate standing. Specific topic listed in class schedule. Three hours of seminar per week.

*Repeatable course.



PHYSICAL EDUCATION

BACHELOR OF ARTS

Teaching Option
Athletic Training Option
Fitness Director Option
General Option

MINOR

Coaching

CERTIFICATE

Fitness Instructor

SINGLE SUBJECT WAIVER PROGRAM

Physical Education

MASTER OF ARTS

Physical Education Option

FACULTY

James R. Poole, Department Chair

Mary Lou Cappel, Carole M. Casten, Nancy Fortner, Mimi Frank, Van Girard, John L. Johnson, Antoinette Marich, Carol Ann Tubbs, George Wing, David H. Yanai

Jean Riggs, Department Secretary
FH C-003, (213) 516-3761

PROGRAM DESCRIPTION

Physical Education is an academic area concerned with the art and science of human movement, with particular reference to the physical, mental, emotional and social variables that affect the ability of humans to move.

FEATURES

A large gymnasium, mirrored dance studio, combatives room, weight training room, exercise laboratory, swimming pool, athletic training room, tennis courts, athletic field, track, fitness trail, 10-K course and Olympic Cycling Velodrome are available for instructional and recreational use.

Faculty curriculum planners carefully monitor physical education academic programs at comparable universities as well as examine state certification and waiver programs to align existing programs with current trends and requirements. Additionally, they forecast future specializations that will address problems such as movement efficiency in space and underwater. The faculty also makes every effort to facilitate the smooth transfer of students from feeder colleges to CSU Dominguez Hills, and from CSU Dominguez Hills to other universities.

The small class sizes at CSU Dominguez Hills are conducive to personalized instruction and frequent advisement. Faculty keep regularly scheduled office hours and are available during those hours to talk with students in person or by telephone.

The multicultural campus community at CSU Dominguez Hills provides opportunities for greater understanding of a wide variety of cultural and ethnic groups. This unique social environment is invaluable for students preparing for people-oriented careers.

Easy access to three major freeways increases opportunities for unique off-campus experiences in physical education, recreation and dance, which enrich course work.

The master of arts degree in Education with a Physical Education Option is designed to provide a two-year completion opportunity. Courses are conveniently scheduled in the evening and during the summer and can be completed on a part-time basis.

ACADEMIC ADVISEMENT

SPECIALIZATIONS OF PERD ACADEMIC ADVISORS

Adapted Physical Education/Disabled Students

Janis Ruetz

Dance

Carol Tubbs, Dance Coordinator

Antoinette Marich

M.A. Program

Carole Casten, Graduate Coordinator

Marianne Frank, John Johnson, Antoinette Marich, James Poole

Physical Education

James Poole, Advisement Coordinator

Carole Casten, Nancy Fortner, Marianne Frank, Van Girard, John Johnson, Antoinette Marich, George Wing, Dave Yanai

Recreation

Mary Lou Cappel, Recreation Coordinator

The PERD Department strongly recommends that students seek advisement each semester prior to registration or whenever they have a question regarding their major or minor in order to avoid delays in achieving their educational goals. Listed below are step-by-step advisement procedures for undergraduate and graduate students.

Undergraduate Students

1. Students should initiate advisement by contacting the PERD Department secretary. She is responsible for assigning students to advisors and scheduling appointments.
2. During their first advisement meeting, students will be given a copy of an advisement sheet for their academic program. The advisor also will open an advisement file for each student, which will be stored in the PERD Department office.
3. Transfer students should bring copies of their transcripts with them each time they meet with their advisor.
4. Each time students meet with their advisor they should bring their file from the PERD Department office, their advisement sheet and the *University Catalog* that was in effect when they were admitted to the university, in order to ensure that the advisement sheet and file will be kept up-to-date.
5. Advisement must be sought after earning 60 semester units; however, it would benefit students to meet with their advisor each semester prior to registration throughout their studies at CSU Dominguez Hills.
6. Students final advisement meeting should take place when they complete 90 units and just before they file for graduation. Students must file for graduation at the Office of the Registrar (SCC J-103).

Graduate Students

All graduate students should consult with the physical education graduate coordinator upon admission to the program. The coordinator is responsible for orienting new students to the graduate program and for assigning each student to a graduate advisor. From this point on, graduate students should consult with their advisors each semester prior to registration.

PREPARATION

If high school students are planning to go onto college and seek a bachelor of arts degree in physical education, the department suggests they:

- enroll in a physical education class each semester and develop skills in as many activities as possible.
- participate in an interscholastic sport.

- work on oral communication skills by enrolling in a speech class.
- work on writing skills in English classes.
- work on math skills up to, and including, Algebra II.
- study biology and physiology. Physics is also recommended.
- take advantage of elective classes in graphic design and psychology.
- complete at least two years of Spanish.
- seek part-time employment during the summer in physical activity programs (summer camps, youth sports programs, playgrounds, private fitness clubs, etc.).
- volunteer to serve at athletic events as an organizer, official, score keeper, fund raiser or assistant.
- earn certification from the American Red Cross in First Aid, CPR and Lifesaving.

If students are planning to transfer to CSU Dominguez Hills from a community college, the department suggests taking courses that are equivalent to its lower division physical education requirements. These courses include anatomy; physiology; first aid and CPR; introduction to physical education; and sports officiating.

Students also should take as many physical education activity classes as possible to gain skill proficiency in a wide variety of activities. Skill proficiency is critical to successfully completing the analysis series (PED 240-244). Check these course descriptions for further details.

If students need to work, they should seek employment in physical education related jobs (health spas, YM/WCA's, high school interscholastic sports programs, sports medicine clinics, youth sports programs/camps, etc.).

HELPFUL HINTS

Physical Education Undergraduate Students

1. Students should seek advisement regularly.
2. Students should keep the advisement sheet up-to-date and bring it with them whenever they meet with their advisor.
3. Each semester students should enroll in a physical education activity class (PED 110-179) in one of their weak areas. It is critical to have skill proficiency in a wide variety of activities before enrolling in the PED 240-244 Analysis series.
4. Most major requirements are only offered once a year, so students must be alert to the semester in which they are offered.
5. Transfer students should begin by taking the lowest numbered courses first.
6. Teaching Option majors should consider minoring in science, English or math, since teaching proficiency in these areas is still in demand. It also would benefit future teachers to gain speaking proficiency in Spanish and beginning level proficiency in computer science.
7. Majors and minors should maintain a model level of physical fitness and wellness; join the CSU Dominguez Hills Student Unit of CAHPERD, California's most prestigious professional organization for health, physical education, recreation and dance; and attend professional conferences regularly.
8. Students should keep an eye on the bulletin boards located throughout the physical education facilities for important announcements related to their educational goals.

Physical Education Graduate Students

1. The graduate student must seek initial advising with the graduate coordinator, and from then on consult his/her advisor each semester.

2. Students must submit the following paper work to the Office of the Registrar in consultation with their advisor:
 - a. Classified Standing status Forms
 - b. Advancement to Candidacy Forms
 - c. Graduation Application for master's degree.*
 3. Graduate students are advised to complete their thesis/project during the academic year rather than the summer since committee members may not be available during the summer months.
 4. A student must complete an M.A. program within 5 years after its initiation. One year for completing the thesis/project is included in this 5-year period. An extension of an additional year is permitted under unusual circumstances with the approval of the thesis/project committee chair, the graduate coordinator and the dean of the School of Education.**
- * Information pending final decision from the Office of the Registrar.
- ** Pending final decision by School of Education - Graduate Studies Department.

CAREER OPPORTUNITIES

A bachelor of arts degree is offered in Physical Education with four options available within the major. The **Athletic Training** option prepares students to work as trainers for amateur and professional athletic teams, schools, sports clubs and sports medicine clinics. The **Fitness Director** option enables students to assume leadership positions in fitness establishments in the public and private sectors. The **General** option is for those students who plan to work in areas not covered in the other options, such as sports photography, management or journalism, and careers related to sporting goods enterprises. The **Teaching** option is designed for students seeking a teaching career in elementary or secondary physical education, or planning to enter graduate programs in preparation for teaching careers at the college or university levels.

Within the physical education minor, two options are offered. The **Coaching** option is for those students who plan to work as coaches in chosen areas of sports specialization. The **Dance** minor is designed for students interested in teaching dance, working as an instructor in a dance fitness enterprise, or pursuing a career in the performing arts.

A **Single Subject Waiver** program is offered for students who wish to pursue a single-subject waiver teaching credential (through the School of Education) and who wish to be waived from the NTE (National Teacher's Exam) in Physical Education.

A **Fitness Instructor's Certificate** program is offered to meet the needs of individuals who are either presently employed or intend to seek employment as fitness instructors in health clubs, recreation centers, YM/WCA's or corporate fitness programs. Requirements for the certificate were based on guidelines established by the American College of Sports Medicine and the Association of Fitness in Business and Industry. The Certificate program can be completed independent of a bachelor's degree.

A **master of arts** degree in Education with a Physical Education Option is offered to advance students in the areas of teaching methodology, professional leadership, fitness evaluation, exercise prescription, public relations and research in physical education.

STUDENT ORGANIZATIONS

The faculty encourages professional participation by sponsoring a Student Unit of CAHPERD, Recreation Club, Dance Club, Future Teachers Club, and Physical Education Alumni Action Group. The faculty also participate actively in professional organizations and activities, and encourage student involvement, which translates into a broad professional support system for faculty and students.

MAJOR REQUIREMENTS - BA

Common Core Requirements (22 units)

Lower Division Requirements (9 units)

- BIO 250. Elements of Human Anatomy and Physiology (3)+
- BIO 251. Elements of Human Anatomy and Physiology Laboratory (1)
- PED 218. First Aid and Cardiopulmonary Resuscitation (3)
- PED 223. Introduction to Physical Education (2)

Upper Division Requirements (13 units)

- PED 301. Kinesiology (3)
- PED 303. Exercise Physiology (4)+
- PED 330. Socio-Psychological Aspects of Physical Activity (3)+
- PED 360. Prevention and Treatment of Athletic Injuries (3)

EACH STUDENT MUST SELECT ONE OF THE OPTIONS LISTED BELOW:

TEACHING OPTION (51 units)

(With the Physical Education Single Subject Waiver Program requirements, 56 units)

A. Completion of Common Core Requirements (22 units)

B. Lower Division Requirements (10 units)

- PED 243. Analysis of Swimming and Conditioning (2)
- PED 244. Analysis of Dance (2)
- PED 245. Analysis of Gymnastics (2)
- PED 260. Sports Officiating (2)

Select two from the following: (The Analysis courses, above and below, must be completed with a minimum of 2.75 G.P.A.)

- PED 240. Analysis of Tennis, Golf and Flag Football (2)
- PED 241. Analysis of Badminton, Basketball and Volleyball (2)
- PED 242. Analysis of Soccer, Softball and Track and Field (2)

C. Upper Division Requirements (14 units)

- PED 300. Tests and Measurements in Physical Education (3)+
- PED 305. Motor Assessment, Development, Learning and Control (3)
- PED 320. Seminar in History and Philosophy of Physical Education (3)
- PED 425. Physical Education in the Elementary School (3)
- PED 426. Directed Teaching in Elementary Physical Education (1)
- PED 448. Teaching Effectiveness in Secondary Physical Education (3)+
- PED 449. Directed Teaching in Secondary Physical Education (1)

Additional Requirements for the Single Subject Waiver in Physical Education

Students seeking the Single Subject Waiver in Physical Education for the Teaching Credential would be required to take the following courses in addition to completing the Teaching Option (5 units).

+Consult course description for prerequisite(s).

Required course (5 units):

PED 304. Introduction to Adapted Physical Education (3)+

Select one from the following

PED 470. Coaching Techniques of Football and Track and Field (2)+

PED 471. Coaching Techniques of Baseball/Softball and Basketball (2)+

PED 472. Coaching Techniques of Volleyball and Gymnastics (2)+

ATHLETIC TRAINING OPTION (44 units)

A. Completion of Common Core Requirements (22 units)

B. Lower Division Requirements (4 units)

PED 243. Analysis of Swimming and Conditioning (2)

Select one from the following:

PED 240. Analysis of Tennis, Golf and Flag Football (2)

PED 241. Analysis of Badminton, Basketball and Volleyball (2)

PED 242. Analysis of Soccer, Softball and Track and Field (2)

C. Upper Division Requirements (18 units)

PED 300. Tests and Measurements in Physical Education (3)+

PED 304. Introduction to Adapted Physical Education (3)

PED 361. Athletic Rehabilitation and Reconditioning (3)

PED 496. Internship in Physical Education (Athletic Training) (6)

Select one from the following (3 units):

HEA 314. Health Behavior (3)

HEA 315. Interpersonal Skills in Health Communication (3)+

HEA 470. Legal Issues in the Health Sciences (3)+

REC 445. Recreation Therapy Programming (3)+

FITNESS DIRECTOR OPTION (43 units)

A. Completion of Common Core Requirements (22 units)

B. Lower Division Requirements (6 units)

PED 243. Analysis of Swimming and Conditioning (2)

DAN 100. Dance Exercise (1)

Select one from the following:

ACC 230. Financial Accounting (3)+

CIS 270. Introduction to Computers and Data Processing (3)+

LAW 240. Legal Aspects of Business Transactions (3)

C. Upper Division Requirements (15 units)

PED 496. Internship in Physical Education (Fitness) (6)

PED 504. Physical Fitness Evaluation and Exercise Prescription (3)

PSY 314. Behavior Modification (3)+

Select one from the following courses (3 units):

PED 448. Teaching Effectiveness in Secondary Physical Education (3)+

PED 510. Seminar in Physical Education Public Information (3)

REC 331. Programming in Recreation (3)+

REC 438. Commercial Recreation (3)+

GENERAL OPTION (45 units)

A. Completion of Common Core Requirements (22 units)

B. Lower Division Requirements (12 units)

Select three from the following (6 units):

PED 240. Analysis of Tennis, Golf and Flag Football (2)

PED 241. Analysis of Badminton, Basketball and Volleyball (2)

PED 242. Analysis of Soccer, Softball and Track and Field (2)

PED 243. Analysis of Swimming and Conditioning (2)

PED 244. Analysis of Dance (2)

Select two from the following (or comparable courses in consultation with an advisor) (6 units):

ECO 210. Economic Theory 1A (3)

ACC 230. Financial Accounting (3)+

CIS 270. Introduction to Computers and Data Processing (3)+

ART 170. 2-D Composition (3)

ART 344. Design Practices I (3)+

COM 100. Introduction to Mass Media (3)

COM 250. Introduction to News Writing and Reporting (3)+

C. Upper Division Requirements (11 units)

PED 320. Seminar in History and Philosophy of Physical Education (3)

PED 471. Coaching Techniques of Baseball/Softball and Basketball (2)

Additional Requirements

Select two (total of 6 units) additional upper division courses in one or more of the following areas in consultation with an advisor:

Art, Business Administration, Communications, Economics, Recreation

MINOR REQUIREMENTS

MINOR IN COACHING (26 units)

Lower Division Requirements (9 units)

BIO 250. Elements of Human Anatomy and Physiology (3)+

BIO 251. Elements of Human Anatomy and Physiology Laboratory (1)

PED 218. First Aid and Cardiopulmonary Resuscitation (3)

PED 260. Sports Officiating (2)

Upper Division Requirements (17 units)

PED 301. Kinesiology (3)

PED 303. Exercise Physiology (4)+

PED 330. Socio-Psychological Aspects of Physical Activity (2)+

PED 360. Prevention and Treatment of Athletic Injuries (3)

PED 496. Internship in Physical Education (Coaching) (2)

Select one from the following

PED 470. Coaching Techniques of Football and Track and Field (2)+

PED 471. Coaching Techniques of Baseball/Softball and Basketball (2)+

PED 472. Coaching Techniques of Volleyball and Gymnastics (2)+

CERTIFICATE REQUIREMENTS

FITNESS INSTRUCTOR CERTIFICATE (21 units)

The Fitness Instructor's Certificate is designed to meet the needs of individuals who are presently employed as fitness instructors in health clubs, recreation centers, YM/WCA's or corporate fitness programs. The certificate may be taken with or apart from an degree program, major or minor; and is available to students who satisfactorily complete the following requirements with a grade of C or higher in each course.

- BIO 250. Elements of Human Anatomy and Physiology (3)+
- BIO 251. Elements of Human Anatomy and Physiology Laboratory (1)
- DAN 100. Dance Exercise (1)
- PED 142. Physical Education Activity: Physical Conditioning (1)
- PED 218. First Aid and Cardiopulmonary Resuscitation (3)
- PED 243. Analysis of Swimming and Conditioning (2)
- PED 303. Exercise Physiology (4)+
- PED 360. Prevention and Treatment of Athletic Injuries (3)+
- PED 496. Internship in Physical Education (Fitness) (3)

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM IN PHYSICAL EDUCATION (51 units)

The Major in Physical Education: Teaching Option, listed under MAJOR REQUIREMENTS shows a range of 46 to 54 units for completion. The range indicates that the Teaching Major consists of 46 units of coursework; however, to complete the approved Single Subject Waiver Program, 5 additional units of coursework must be taken for a total of 51 units as described after the option.

MAJOR REQUIREMENTS - MA

Admissions Procedures

Students must apply for admission to the Graduate Program through the Office of Admissions and Records and through the Department of Physical Education, Recreation and Dance (PERD). Departmental admissions procedures include the following:

- A completed application to the PERD Department Graduate Program
- Two letters of recommendation
- A copy of all undergraduate and graduate transcripts

Applications are accepted as long as students meet the requirements of the university, present favorable letters of recommendation, and room for new students is available.

Approximately four weeks after receipt of all the above items, a decision regarding admission will be mailed to the applicant.

Classified Standing

- Evidence of writing competency by receiving a passing score (at least an "eight") on the Graduation Writing Examination (GWE). As an alternative to GWE, students may take an undergraduate English certifying course at CSU Dominguez Hills, which, has been adjudged to serve in lieu of the JEPET. A

grade of "B/C" or higher is required in the English course. Information regarding testing dates and times, and approved alternate English courses is available in the Information and Service Center. Students generally enroll in ENG 350 to meet the English course requirement.

- Successful completion of nine (9) units in the degree program with a grade of "B" or higher. If a student does not receive a "B" or higher in a course, he/she may repeat the course. Grades earned in the original enrollment and repeat enrollment will be averaged when the grade point average is computed.

Advancement to Candidacy

- When a student successfully completes all the required coursework (except PED 599: Physical Education: Thesis) with a 3.0 G.P.A., he/she should see an advisor to complete paper work for Advancement to Candidacy.
- At this point, the student will be given a Thesis/Project Committee Form, and advised to select a Thesis/Project Committee Chair and two additional graduate faculty members to form a Thesis/Project Committee.
- The student must circulate the Thesis/Project Committee Form to his/her committee members for their signatures.
- Completed forms are filed in the PERD Department Office.
- At this point the student should ask his/her committee chair for a Thesis/Project Proposal Form.
- When the form is completed, the student should present copies to all three members of his/her Thesis/Project Committee for their signatures of approval.
- Once the proposal is approved, the student may enroll in PED 599: Physical Education: Thesis and begin working on his/her Thesis/Project.
- Once enrollment in PED 599 has been satisfied, the student must enroll each semester in PED 594: Independent Study until the Thesis/Project is completed and approved by his/her committee.

Prerequisite Requirements

An undergraduate major in physical education is prerequisite to graduate study in physical education. Students who completed an undergraduate major in health, recreation or dance need to take the FIVE required prerequisite courses listed below (14 units) before enrolling in 500 level courses in physical education.

A. Required Prerequisite Courses (14 units)

- BIO 250. Elements of Human Anatomy and Physiology (3)
- BIO 251. Elements of Human Anatomy and Physiology Lab (1)
- PED 303. Exercise Physiology (4)
- PED 320. Seminar in History and Philosophy of Physical Education (3)
- PED 448. Teaching Effectiveness in Secondary Physical Education (3)

Students who majored in any other field not mentioned need to select an additional course (3 units) from the Elective Prerequisite Courses listed below for a total of 17 units.

B. Elective Prerequisite Courses (3 units)

Select one from the following:

- PED 301. Kinesiology (3)
- PED 304. Introduction to Adapted Physical Education (3)
- PED 305. Motor Assessment, Development, Learning and Control (3)
- PED 425. Physical Education in the Elementary School (3)

Admission as a Conditionally Classified Graduate Student in Physical Education requires the following:

- A baccalaureate degree from an accredited institution in physical education or completion of the prerequisite courses.

- A minimum 2.75 GPA in the last 60 semester or 90 quarter units of college work completed (excluding extension units). Students who do not meet the minimum GPA may submit a Miller's Analogies Test (MAT) score of 40 or higher in lieu of the 2.75 GPA requirement.

Degree Requirements (30 units)

The master of arts in Education with a Physical Education Option is designed to advance students in the areas of teaching methodology, professional leadership, fitness evaluation, exercise prescription, public relations and research in physical education. The program consists of 30 units of coursework and requires students to earn a minimum 3.0 grade point average.

A minimum of 21 semester units must be completed in residence. Courses taken previously may be used to meet the course content requirements of a graduate program if they have been completed within the five years immediately preceding the completion of the requirements for the degree and are considered equivalent to the requirements. However, no courses may apply toward the required number of units of approved graduate work that have been used to meet the requirements of another degree.

Students may take up to five years to complete the coursework, including the thesis or project. Coursework that does not meet the five-year deadline may have to be repeated. 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 30 unit pattern:

Education Core Courses (9 units)

- GED 500. Research Methods in Education (3)
- GED 501. Seminar in Learning and Development (3)
- GED 503. Socio-Cultural Issues in Education (3)

Physical Education Courses (21 units)

- PED 500. Seminar in Contemporary Issues/Topics and Trends in Physical Education (3)
- PED 502. Seminar in Effective Leadership in Physical Education (3)
- PED 504. Physical Fitness Evaluation and Exercise Prescription (3)++
- PED 506. Instructional Product Design in Physical Education (3)++
- PED 508. Instructional Product Development in Physical Education (3)++
- PED 510. Seminar in Physical Education Public Information (3)++
- PED 599. Physical Education: Thesis (3)

++ These courses are recommended to be taken in the following sequence:

- PED 506 before enrolling in PED 508
- PED 508 before enrolling in PED 510

Students who have taken all the required courses and who are still working on a Thesis/Project must enroll each semester in PED 594: Independent Study until the Thesis/Project is completed and approved by their committee. Enrollment entitles the student to use the University Library, work with an advisor and a Thesis/Project Committee.

COURSE OFFERINGS IN PHYSICAL EDUCATION

Lower Division

PED 100 ADAPTED PHYSICAL FITNESS (1).* Physical fitness evaluation, exercise prescription and individualized programs designed for disabled students and any student with a temporary or permanent fitness need. Two hours of activity per week.

PED 110-179 PHYSICAL EDUCATION ACTIVITY (1). The following courses are designed to promote active lifestyles and are open to all university students. Prerequisite for intermediate level classes is beginning level or its equivalent. Prerequisite for advanced level classes is intermediate level or its equivalent. Students assume responsibility for satisfactory health status appropriate for class activity. Two hours of activity per week.

PED 110 AQUACISE (1).

PED 116 BASEBALL (1).

PED 118 BASKETBALL (1).

PED 120 BICYCLING/BEGINNING/VELODROME (1).

PED 125 BICYCLING/ALL LEVELS/VELODROME (1).

PED 130 GOLF (1).

PED 134 JOGGING (1).

PED 140 LIFESAVING/ADVANCED (1).

PED 142 PHYSICAL CONDITIONING (1).

PED 148 SOCCER/INDOOR (1).

PED 152 SOFTBALL (1).

PED 154 STRETCH AND FLEX (1).

PED 156 SWIMMING/ALL LEVELS (1).

PED 158 SWIMMING/CONDITIONING (1).

PED 160 T'AI CHI CHUAN (1).

PED 162 TENNIS (1).

PED 164 VOLLEYBALL (1).

PED 168 WALKING FOR HEALTH (1).

PED 170 WEIGHT TRAINING (1).

PED 180 INTRAMURALS (1).* Participation in competitive intramural activities. Tournaments conducted in sports such as basketball, badminton, tennis, volleyball and additional activities based upon student interest. Two hours of activity per week.

PED 185 WATER SAFETY INSTRUCTOR CERTIFICATION (2).* Prerequisite: Current Red Cross Advanced Life Saving Certificate. Provides opportunity to qualify for American Red Cross W.S.I. certification. Review of swimming strokes, safety skills, and lifesaving techniques. Includes peer teaching. One hour of lecture and two hours of activity per week.

PED 190 INTERCOLLEGIATE ATHLETICS - MAJOR SPORTS (1).* Instruction and participation in selected major team sports such as basketball (men and women), baseball (men), and volleyball (women) that comprise the intercollegiate athletic program.

PED 191 INTERCOLLEGIATE ATHLETICS - MINOR SPORTS (1).* Instruction and participation in selected minor sports that comprise the intercollegiate athletic program.

PED 218 FIRST AID AND CARDIOPULMONARY RESUSCITATION (3). Provides opportunity to qualify for American Red Cross certification in Standard First Aid and CPR. Students study and practice administering first aid techniques; examine accident and injury preventive measures; and train to master cardiopulmonary resuscitation techniques. Three hours of lecture per week.

+Consult course description for prerequisite(s).

*Repeatable course.

PED 223 INTRODUCTION TO PHYSICAL EDUCATION (2). Examination of bodies of knowledge that make up the field of physical education and an analysis of how disciplinary theories translate into contemporary professional practices. Course includes career guidance and an overview of careers in physical education. (Students entering the Physical Education Major are required to enroll in this course their first semester of study.) Two hours of lecture per week.

PED 235 LIFETIME FITNESS (3). Examination of components of fitness; training principles, energy sources; nutrition and weight control research; stress reduction techniques; and fitness programs. Fitness assessment and development of personalized fitness program. Meets General Studies requirement for Whole Person. Three hours of lecture per week.

PED 240 ANALYSIS OF TENNIS, GOLF, AND FLAG FOOTBALL (2). Analysis and refinement of skill requirements; and examination of concepts, rules, strategies, history and appreciations related to tennis, golf and flag football. One hour of lecture and two hours of activity per week.

PED 241 ANALYSIS OF BADMINTON, BASKETBALL, AND VOLLEYBALL (2). Analysis and refinement of skill requirements; and examination of concepts, rules, strategies, history and appreciations related to badminton, basketball and volleyball. One hour of lecture and two hours of activity per week.

PED 242 ANALYSIS OF SOCCER, SOFTBALL AND TRACK AND FIELD (2). Analysis and refinement of skill requirements; and examination of concepts, rules, strategies, history and appreciations related to soccer, softball and track and field. One hour of lecture and two hours of activity per week.

PED 243 ANALYSIS OF SWIMMING AND CONDITIONING (2). *Prerequisites: BIO 250 and BIO 251.* Analysis and refinement of basic and intermediate swimming skills and strategies for swimming conditioning programs. Study of the principles underlying strength, endurance and cardiovascular conditioning. Specific strength training programs include Nautilus, Berger, De Lorme-Walkins, pyramid training and Universal apparatus. One hour of lecture and two hours of activity per week.

PED 244 ANALYSIS OF DANCE (2). Analysis and refinement of movement requirements; examination of concepts, movement theories, history and appreciations related to modern, ballet, jazz, social and folk dance, and artistic and rhythmic gymnastics. Study of principles underlying dance-exercise programs. One hour of lecture and two hours of activity per week.

PED 245 ANALYSIS OF GYMNASTICS (2). Analysis and refinement of gymnastics movement requirements; examination of concepts, movement theories, history, judging and appreciations related to artistic and rhythmic gymnastics. One hour of lecture and two hours of activity per week.

PED 260 SPORTS OFFICIATING (2). Rules, mechanics and officiating procedures for men's and women's sports at the inter-scholastic and intercollegiate levels. Two hours of lecture per week.

Upper Division

PED 300 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (3). *Prerequisite: Fulfillment of ELM requirement.* Analysis, evaluation, interpretation, and use of tests and other measurement devices in physical education. Application of statistical procedures. Three hours of lecture per week.

PED 301 KINESIOLOGY (3). *Prerequisite: BIO 250 and BIO 251 and either high school or college physics.* Examination of anatomical structure, function, and mechanical principles relating to human motion, including analytical and practical application of concepts. Two hours of lecture and three hours of laboratory per week.

PED 303 EXERCISE PHYSIOLOGY (4). *Prerequisite: PED 300; BIO 250 and BIO 251 and either high school or college chemistry.* Study of human function under the stress of muscular activity per week. Investigation of acute and chronic effects of exercise on the muscular, pulmonary, cardiovascular, nervous and energy systems. Examination of principles of training and nutrition. Three hours of lecture and three hours of laboratory per week.

PED 304 INTRODUCTION TO ADAPTED PHYSICAL EDUCATION (3). *Prerequisite: PED 301.* Study of prevalent disabilities with implications for adapted physical education program development, implementation and evaluation of at the elementary and secondary levels. Three hours of lecture per week.

PED 305 MOTOR ASSESSMENT, DEVELOPMENT, LEARNING AND CONTROL (3). *Prerequisite: PED 300.* Study of human development and learning in the motor domain. Examination of factors such as growth and maturation, instructional procedures, sensory and perceptual systems, motor control, and assessment of motor development.

PED 320 SEMINAR IN HISTORY AND PHILOSOPHY OF PHYSICAL EDUCATION (3). *Prerequisite: PED 223.* Study of historical roots and evolution of physical education, changing value systems that shape physical education philosophies, and administrative practices which lead to making informed program decisions. Three hours of seminar per week.

PED 330 SOCIO-PSYCHOLOGICAL ASPECTS OF PHYSICAL ACTIVITY (3). *Prerequisite: PSY 101.* Study of influence of social and psychological variables as they relate to motor performance. Course includes practical application of effective teaching and coaching strategies for increased motor performance. Three hours of lecture per week.

PED 360 PREVENTION AND TREATMENT OF ATHLETIC INJURIES (3). *Prerequisites: BIO 250, BIO 251 and PED 301.* Prevention, examination, and treatment of athletic injuries. Includes methods of taping, bandaging, therapeutic exercises, training room equipment, protective devices and supplies. Two hours of lecture and three hours of laboratory per week.

PED 361 ATHLETIC REHABILITATION AND RECONDITIONING (3). *Prerequisites: PED 302, PED 303 and PED 360.* Basic components of a comprehensive rehabilitation program including determination of therapeutic goals and objectives, selection and use of therapeutic modalities and exercise, methods of evaluation and recording rehabilitation progress, and development of criteria for progression and return to competition. Two hours of lecture and three hours of laboratory per week.

PED 425 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL (3). Overview of bodies of knowledge in the field of physical education and their application to elementary physical education. Analysis of educational theories and practices as they relate to effectively teaching physical education to elementary school children. Course includes peer teaching lessons. Three hours of lecture per week.

PED 426 DIRECTED TEACHING IN ELEMENTARY PHYSICAL EDUCATION (1). *Prerequisite: PED 425.* Planned directed teaching in elementary physical education at a cooperating elementary school under professional supervision.

PED 448 TEACHING EFFECTIVENESS IN SECONDARY PHYSICAL EDUCATION (3). *Prerequisite: See lower division requirements for major.* Analysis and application of recent advances in teaching methodology, observation techniques, organization and management strategies, and skill and knowledge acquisition as they relate to effectively teaching secondary physical education. Course includes peer teaching lessons. Two hours of lecture and two hours of activity per week.

PED 449 DIRECTED TEACHING IN SECONDARY PHYSICAL EDUCATION (1). *Prerequisite: PED 448.* Planned directed teaching in secondary physical education at a cooperating secondary school under professional supervision.

PED 470 COACHING TECHNIQUES OF FOOTBALL AND TRACK AND FIELD (2). *Prerequisites: PED 240 and PED 242.* Analysis and practical application of techniques for coaching football and track and field. Emphasis on organization and conduct of athletic programs, including program development, strategies, practice sessions, recruiting, and scouting. One hour of lecture and two hours of activity per week.

PED 471 COACHING TECHNIQUES OF BASEBALL/SOFTBALL AND BASKETBALL (2). *Prerequisites: PED 242 and PED 241.* Analysis and practical application of techniques for coaching Baseball, Softball and Basketball. Emphasis on organization and conduct of athletic programs, including program development, strategies, practice sessions, recruiting, and scouting. One hour of lecture and two hours of activity per week.

PED 472 COACHING TECHNIQUES OF VOLLEYBALL AND GYMNASTICS (2). *Prerequisites: PED 241 and PED 245.* Analysis and practical application of techniques for coaching Volleyball and Gymnastics. Emphasis on organization and conduct of athletic programs, including program development, strategies, practice sessions, recruiting, and scouting. One hour of lecture and two hours of activity per week.

PED 494 PHYSICAL EDUCATION: INDEPENDENT STUDY (1-3).* *Prerequisites: Physical Education Major or Minor; upper division standing.* Advanced study in physical education, with each student participating in a special project mutually agreed upon by student and instructor.

PED 495 SPECIAL TOPICS IN PHYSICAL EDUCATION (1-3).* Intensive study of a physical education topic of current interest. May be repeated for credit to a maximum of 6.0 units. One to three hours of lecture per week.

PED 496 INTERNSHIP IN PHYSICAL EDUCATION (1-3).* *Prerequisite: Physical Education Major or Minor and upper division standing is required; PED 448 is recommended.* Planned internship in alternative physical education careers, athletics, or dance at a cooperating institution, agency or company under professional supervision. Application of the principles and skills acquired in the student's chosen major program.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

PED 500 SEMINAR IN CONTEMPORARY ISSUES/TOPICS AND TRENDS IN PHYSICAL EDUCATION (3). Analysis of current trends, issues, and problems in physical education academic and athletic programs; examination and analysis of literature and research findings. Three hours of seminar per week.

PED 502 SEMINAR IN EFFECTIVE LEADERSHIP IN PHYSICAL EDUCATION (3). Comparative analysis of leadership and teaching styles as they relate to the physical education profession. Insights into deliberate decision making and how decisions affect people and programs. Identification of professional writing needs and overview of writing styles and formats. Three hours of seminar per week.

PED 504 PHYSICAL FITNESS EVALUATION AND EXERCISE PRESCRIPTION (3). *Prerequisite: PED 303 is required; PED 218 is recommended.* Evaluation of cardiovascular fitness, respiratory capacity, body composition, strength, muscular endurance and flexibility. Exercise prescription based upon individual needs, interests and preliminary health and fitness evaluations. Overview of American Psychological Association's research methodology. Three hours of lecture per week.

PED 506 INSTRUCTIONAL PRODUCT DESIGN IN PHYSICAL EDUCATION (3).* Systems approach to designing individualized instructional products in physical education for increasing skills and knowledge related to motor performance. Emphasis on product justification, identification of product specifications, review of literature, and development of written materials. Three hours of lecture per week.

PED 508 INSTRUCTIONAL PRODUCT DEVELOPMENT IN PHYSICAL EDUCATION (3). *Prerequisite: PED 506.* Continuing systems approach to developing individualized instructional products in physical education for increasing skills and knowledge related to motor performance. Emphasis on developing accompanying media and examining product field testing procedures. Three hours of lecture per week.

PED 510 SEMINAR IN PHYSICAL EDUCATION PUBLIC INFORMATION (3). Study of problems related to public relations in physical education at the secondary and collegiate levels. Student develops a news release, designs promotional public information for the community, develops a visual presentation, and reviews literature on public relations. Three hours of seminar per week.

PED 594 PHYSICAL EDUCATION: INDEPENDENT STUDY (1-3). Advanced study in physical education with each master's degree student participating in a special project mutually agreed upon by student and instructor.

PED 599 PHYSICAL EDUCATION: THESIS (2-3).* *Prerequisite: GED 500.* An individually planned thesis research study or thesis creative project, of comparable quality, in physical education or athletics. Students work under individual supervision with assigned faculty.



PHYSICS

BACHELOR OF ARTS

MINOR

SINGLE SUBJECT WAIVER PROGRAM

Physical Science (see entry under Science, Mathematics and Technology)

FACULTY

Theodore A. Will, Department Chair

Robert L. Alt, Arthur A. Evett (Emeritus), James S. Imai, H. Keith Lee, Samuel L. Wiley

Virginia Knauss, Department Secretary
NSM B-202, (213) 516-3591

PROGRAM DESCRIPTION

Physics is the study of the physical world. It involves understanding diverse forms of energy, traditionally focusing on the motion of particles and waves, electricity and magnetism.

Areas of active interest currently include:

- the solid state: crystalline and amorphous materials, especially semiconductors and superconductors.
- astrophysics: stars, planets, black holes and the galaxies.
- optics: properties of light signals and their detection and use.
- elementary particles: sub-atomic units that help reveal the fundamental nature of the universe.

Progress in physics relies on direct observation of natural phenomena and often necessitates developing sophisticated mathematical descriptions.

The Physics program at CSU Dominguez Hills covers both the theoretical and experimental aspects of the field. Courses are offered that introduce the concepts and techniques physicists use today. In addition, the department offers upper division courses that cover such areas as optics, electronics (analog and digital), solid state, microprocessors, astrophysics and quantum mechanics.

The bachelor of arts in Physics provides the student with a rigorous preparation for scientific and technological employment, and for advanced study in physics or a related field. A minor in physics is also offered. The upper division requirements for the minor are flexible in order to encourage each student to explore his or her specific interests.

Students are welcome to visit our facilities at any time. For more information, call the departmental office to arrange a meeting with one of physics' faculty members.

FEATURES

Although the physics faculty spans a broad range of interests and activities, each member is committed to excellence in undergraduate teaching. We believe an essential part of physics education includes hands-on experience and consequently the department has acquired modern laboratory equipment so that small groups of students can work together. The environment is friendly and the faculty are willing to help with class work and other concerns. Class size is limited in order to encourage individual attention.

The central location of CSU Dominguez Hills gives students and faculty the benefits of contact with many high-tech organizations. Several courses offer sections in the late afternoon or evening to aid students who have daytime work obligations.

ACADEMIC ADVISING

Students are encouraged to visit the department chair or another faculty member to find out more about the physics major and minor and to receive assistance in planning their schedule. Students should visit their physics advisor each semester to help them work out a program that addresses their special interests and University graduation requirements. An advisor also can be a valuable resource in locating other campus services.

PREPARATION

High school students should take as much college preparatory mathematics as possible. While two years of algebra marginally will prepare students for college physics courses, a stronger background would include geometry and trigonometry. If available, high school courses in computer programming and calculus would be beneficial as preparation for college work. Students also should take as much laboratory science as possible (at least two years); and, four years of English are required.

Transfer students from a community college should take mathematics through differential and integral calculus (of several variables), one year of calculus-based introductory physics and one semester of general chemistry. If students cannot take a course in modern physics, they must take PHY 230 after transferring to CSU Dominguez Hills. Students also should take suitable courses that, when validated, will meet the lower division general education requirements.

CAREER POSSIBILITIES

Some graduates find positions in high-tech industries, where excellent employment opportunities are expected to continue. In fact, students have worked in the electronics, aerospace and semiconductor fields while studying at CSU Dominguez Hills. Other graduates have undertaken advanced work in physics or related fields, such as electrical engineering, biophysics, computer science, geophysics and astronomy. Some graduates use their scientific preparation in teaching. Indications are that the current demand for people with scientific and technological skills will continue to grow in the future.

MAJOR REQUIREMENTS - BA (63 units)

The major consists of 63 units, including lower and upper division core requirements and upper division electives. The requirements permit students to obtain solid theoretical and experimental skills in the chief areas of physics. Students may select the electives that explore the areas that most interest them in more depth.

Lower Division Requirements (31 units)

- CHE 110. General Chemistry I (5)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- MAT 211. Calculus III (4)
- PHY 130. General Physics I (5)
- PHY 132. General Physics II (5)
- PHY 230. General Physics III (4)

Upper Division Requirements (32 units)

- Required Courses (26 units)
- PHY 310. Theoretical Mechanics I (3)
- PHY 312. Theoretical Mechanics II (3)
- PHY 321. Physical Optics (3)
- PHY 333. Analog Electronics (3)
- PHY 350. Electromagnetic Theory I (3)
- PHY 352. Electromagnetic Theory II (3)
- PHY 460. Quantum Mechanics (3)
- PHY 470. Solid State Physics (3)
- PHY 471. Solid State Laboratory (2)

Electives (6 units) - Choose two courses from following list:

- PHY 335. Digital Electronics (3)
- PHY 337. Microprocessors (3)
- PHY 339. Instrumentation (3)
- PHY 346. Thermodynamics (3)
- PHY 356. Astrophysics (3)
- PHY 383. Computational Physics (3)
- PHY 495. Selected Topics in Physics (3)

MINOR REQUIREMENTS (31 units)

The Minor in Physics consists of 31 units. In addition to required basic courses in traditional and modern physics as well as calculus, students are free to design their upper division electives according to their interests.

Lower Division Requirements (22 units)

- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- PHY 130. General Physics I (5)
- PHY 132. General Physics II (5)
- PHY 230. General Physics III (4)

Upper Division Electives (9 units)

Students must choose nine units from the courses listed below. Many combinations of courses are available so that students can pursue their own interests. Advisors will help students design their program.

- PHY 310. Theoretical Mechanics I (3)
- PHY 312. Theoretical Mechanics II (3)
- PHY 321. Physical Optics (3)
- PHY 333. Analog Electronics (3)
- PHY 335. Digital Electronics (3)
- PHY 337. Microprocessors (3)
- PHY 339. Instrumentation (3)
- PHY 346. Thermodynamics (3)
- PHY 350. Electromagnetic Theory I (3)
- PHY 352. Electromagnetic Theory II (3)
- PHY 356. Astrophysics (3)
- PHY 383. Computational Physics (3)
- PHY 460. Quantum Mechanics (3)
- PHY 470. Solid State Physics (3)
- PHY 471. Solid State Laboratory (2)

COURSE OFFERINGS IN PHYSICS

Lower Division

PHY 100 PATTERNS IN NATURE (3). Unifying principles of elastic, sound, light and matter waves. Models of nature. Successes and failures of wave and particle models and their synthesis. Designed for non-science students. Partially meets the lower division General Studies requirement in Natural Sciences. Three hours of lecture per week.

PHY 106 PHYSICAL SCIENCE I (3). *Prerequisite: High school algebra or equivalent. Students may take PHY 108 before 106.* Mechanics, fluids, heat, waves. States of matter. Chemical and physical change. Applications to Earth Science. Emphasis on science principles, demonstrations and experiments that are relevant to elementary and junior high school teachers. PHY 106 and 108 were designed for Liberal Studies majors who may substitute them for PHY 100 and CHE 102/EAR 100 in the General Studies requirements. Two hours of lecture and three hours of laboratory per week.

PHY 108 PHYSICAL SCIENCE II (3). *Prerequisite:* High school algebra or equivalent. Students may take PHY 108 before 106. Electricity and magnetism and light. Atomic structure, chemical families and bonding. Applications to astronomy. PHY 106 and 108 were designed for Liberal Studies majors who may substitute them for PHY 100 and CHE 102/EAR 100 in the General Studies requirements. Two hours of lecture and three hours of laboratory per week.

PHY 120 ELEMENTS OF PHYSICS I (4). *Prerequisite:* High school or college algebra. Motion, energy, waves and heat treated from a non-calculus point of view. Three hours of lecture and three hours of laboratory per week.

PHY 122 ELEMENTS OF PHYSICS II (4). *Prerequisite:* PHY 120. Electricity, magnetism and light. Nuclear radiation. Quantum phenomena. Atomic structure. Three hours of lecture and three hours of laboratory per week.

PHY 130 GENERAL PHYSICS I (5). *Prerequisite:* MAT 191 or concurrent enrollment. Kinematics and dynamics of particles, rigid bodies and fluids. Kinetic theory, temperature and thermodynamics. Calculus-based course. Three hours of lecture, one hour of problem-discussion and three hours of laboratory per week.

PHY 132 GENERAL PHYSICS II (5). *Prerequisites:* PHY 130 and MAT 193 or concurrent enrollment. Waves, light, electricity and magnetism. Three hours of lecture, one hour of problem-discussion and three hours of laboratory per week.

PHY 160 INTRODUCTION TO ASTRONOMY (3). Historical background, celestial coordinates, planets and origin of the solar system. Stellar structure and evolution. Galaxies, neutron stars, quasars and Black holes. Observation and field trips. Three hours of lecture per week.

PHY 201 EXPERIMENTAL METHODS (1). Fabrication techniques applicable in the laboratory per week. Properties of materials. Three hours of laboratory per week.

PHY 207 PHYSICS WITH CLINICAL SCIENCE APPLICATIONS (4). *Prerequisites:* High school algebra, CHE 110 and CHE 112. Electricity, magnetism and electromagnetic waves. Light, including the photon model. Laboratory emphasis on solid state devices and electronic instrumentation. Designed for students in the Clinical Sciences. Three hours of lecture and three hours of laboratory per week.

PHY 230 GENERAL PHYSICS III (4). *Prerequisite:* PHY 132 or consent of instructor. Twentieth century physics, including concepts of relativity and quantum theory and particle classification. Applications to radiation, atoms, elementary particles and nuclei. Three hours of lecture and three hours of laboratory per week.

Upper Division

PHY 302 WORKSHOP IN PHYSICAL SCIENCE FOR TEACHERS (3). Lecture-demonstration-laboratory covering fundamental concepts in physical science, designed especially for in-service teachers (K-12). Class emphasizes on hands-on activities using everyday objects. Two hours of lecture and three hours of laboratory per week. Not for physics majors or minors. CR/NC grading.

PHY 310 THEORETICAL MECHANICS I (3). *Prerequisites:* PHY 130 and MAT 211 or concurrent enrollment. Newtonian dynamics of one and two particles. Rigid body motion. Three hours of lecture per week.

PHY 312 THEORETICAL MECHANICS II (3). *Prerequisite:* PHY 310. Non-inertial reference frames, waves on a string, fluid dynamics. Lagrange's and Hamilton equations of motion. Includes computer simulation. Three hours of lecture per week.

PHY 321 PHYSICAL OPTICS (3). *Prerequisite:* PHY 132 or consent of instructor. Scalar wave equations, interference and diffraction, spacial filtering, coherence and holography. Two hours of lecture and three hours of laboratory per week.

PHY 331 AUDIO ELECTRONICS (3). *Prerequisite:* PHY 100 or consent of instructor. Selection and utilization of electronic components and instrumentation. Solid state circuit design and construction. Fundamental electronics through linear amplifiers, power supplies, filters and feedback. A project is required. Designed for students interested in audio techniques. Two hours of lecture and three hours of laboratory per week.

PHY 333 ANALOG ELECTRONICS (3). *Prerequisites:* PHY 122 or PHY 132 or consent of instructor. Selection and utilization of electronic components and instrumentation. Solid state circuit design and construction. Amplifiers, feedback techniques, operational amplifiers, SCRs, FETs, etc. A project is required. Two hours of lecture and three hours of laboratory per week.

PHY 335 DIGITAL ELECTRONICS (3). *Prerequisites:* PHY 122 or PHY 132 or consent of instructor is required, PHY 333 is recommended. Design and use of systems employing digital integrated circuits. Gates, Boolean algebra, combinatorial and sequential design. Multiplexers, flip-flops, shift registers, ALUs and memories. Two hours of lecture and three hours of laboratory per week.

PHY 337 MICROPROCESSORS (3). *Prerequisite:* PHY 335 or consent of instructor. Architecture, programming and interfacing of microcomputers. Input/output, instruction sets, subroutines, interrupts, serial communications and process control. Two hours of lecture and three hours of laboratory per week.

PHY 339 INSTRUMENTATION (3). *Prerequisite:* PHY 333. Measurement techniques, transducers, noise reduction, signal processing in the analog and digital domains. Computer controlled instrumentation and data acquisition. Bus configurations and interfacing. Two hours of lecture and three hours of laboratory per week.

PHY 346 THERMODYNAMICS (3). *Prerequisites:* PHY 130 and MAT 193. First and second laws of thermodynamics. Equations of state, entropy, free energies, kinetic theory and concepts of Statistical Physics. Three hours of lecture per week.

PHY 350 ELECTROMAGNETIC THEORY I (3). *Prerequisites:* PHY 132 and MAT 211 are required; MAT 213 is recommended. Electro- and magnetostatics. Electromagnetic properties of matter, Faraday's law of induction, direct and alternating currents. Includes computer simulations. Three hours of lecture per week.

PHY 352 ELECTROMAGNETIC THEORY II (3). *Prerequisite:* PHY 352. Derivation and applications of Maxwell's equations in vacuum and material media. Electromagnetic radiation. Includes computer simulations. Three hours of lecture per week.

PHY 356 ASTROPHYSICS (3). *Prerequisites:* PHY 132 and PHY 230. Quantitative study of stellar astronomy with emphasis on stellar evolution and cosmology. Includes computer simulations. Three hours of lecture per week.

PHY 383 COMPUTATIONAL PHYSICS (3). *Prerequisites:* PHY 132 and MAT 211. Computer analysis of selected problems on such topics as particle motion in various force fields, waves and electronics. Two hours of lecture and three hours of laboratory per week.

PHY 460 QUANTUM MECHANICS (3). *Prerequisites:* PHY 132 and PHY 230. Average values; Heisenberg's Uncertainty Principle; Schroedinger's equation in one, two and three dimensions. Spin, identical particles and transition probabilities. Three hours of lecture per week.

PHY 470 SOLID STATE PHYSICS (3). *Prerequisite:* PHY 230 is required; PHY 350 and PHY 460 are recommended. The structure of solids, energy bands and phonons. Electrical, magnetic and optical properties. Applications to pn junctions and other semiconductor devices. Three hours of lecture per week.

PHY 471 SOLID STATE LABORATORY (2). *Prerequisites:* PHY 333 and concurrent enrollment in PHY 470 or consent of instructor. Experiments in solid state physics, including resistivity, carrier mobility and lifetime. The Hall effect. Special emphasis on semiconductor devices. One hour of lecture and three hours of laboratory per week.

PHY 494 INDEPENDENT STUDY (3).* *Prerequisites: Upper division standing and completion of an independent study contract are required. A reading program on a specialized topic in Physics under the supervision of a faculty member.*

PHY 495 SELECTED TOPICS IN PHYSICS (3).* *Prerequisites: Upper division standing and consent of instructor. The study of an area of Physics that is not normally available in other courses. Three hours of lecture per week.*

PHY 498 DIRECTED RESEARCH (1-3).* *Prerequisite: Upper division standing and consent of instructor. Advanced laboratory work in an area related to physics or instrumentation. The student participates in an independent investigation under faculty supervision. Three to nine hours of laboratory per week.*

*Repeatable course.



POLITICAL SCIENCE

BACHELOR OF ARTS

General Concentration
Global Politics Concentration

MINOR

SINGLE SUBJECT WAIVER PROGRAM

Government

FACULTY

Margaret Blue, Lyman Chaffee, Alan Fisher, Linda Groff, George Heneghan, Jay Kaplan, Wayne Martin, Michael O'Hara, Richard Palmer, O.W. Wilson

Department Office
SBS G-326, (213) 516-3434

PROGRAM DESCRIPTION

The Political Science program at CSU Dominguez Hills offers excellent opportunities for the study of government and politics.

Over 40 courses cover all the major aspects of the discipline. Students develop an understanding of human behavior as it relates to politics. They learn to discuss and analyze critically the many current public policy issues facing the United States and the world. They are taught how to analyze and understand world affairs and comparative politics. They are trained in appropriate research techniques for the study of political processes.

Students may choose from two concentrations within the major, selected in consultation with a faculty advisor. The General Political Science Concentration is a relatively "open" one, allowing students to choose from a wide range of courses and subjects within a general framework. It is designed for students seeking broad exposure to the diverse subjects of the discipline and is recommended for most students. The Global Politics Concentration is for students with an interest in world affairs, comparative politics and international systems analysis. Courses provide an interdisciplinary foundation for global political analysis while permitting the student to design a general program of international studies.

A five-course minor in political science also is available. While the minor most often is used in conjunction with such majors as communications, human services, history, economics and sociology, it can be paired with almost any major offered at this university.

FEATURES

The political science faculty is an interesting and diverse group of scholars. Many are involved actively in their own research projects and most have travelled extensively in this country and abroad.

Political science internships are available both in legal offices and in governmental offices at the federal, state and local levels. An especially popular internship is the Sacramento Semester Program, which brings students from all 19 California State University campuses to Sacramento for one semester to take advantage of the unique learning experience at the State Capital.

Students who work in the day will be interested to know that class scheduling permits completion of a political science major in the late afternoon and evening hours.

ACADEMIC ADVISEMENT

The Department expects students routinely to seek faculty advice when planning their programs. They may ask any faculty member to assist them initially. As they develop specific interests within the discipline, they are encouraged to select a faculty advisor who shares these interests. Students interested in career

possibilities in political science should contact Professors Lyman Chaffee or Richard Palmer. Students needing assistance in putting together a pre-law program should contact Professors Michael O'Hara or O.W. Wilson. Those seeking information on internship opportunities should consult with Professor Alan Fisher. Students interested in the Global Politics Concentration should consult with Professor Wayne Martin, Coordinator of this concentration, or Professors Lyman Chaffee, George Heneghan, Michael O'Hara, or Linda Groff.

PREPARATION

High school students are encouraged to take English composition and social science courses, including civics, economics and history. Experience in journalism and debating activities also can be helpful. A foreign language is not required for the degree. However, students who plan further study at the graduate level are encouraged to take courses in an appropriate foreign language.

Community college transfer students should contact their counseling office or the CSU Dominguez Hills Political Science Office to identify appropriate lower-division major/minor preparatory courses. Typically, these would include a basic course in American political institutions, which would fulfill the state code requirements for U.S. Constitution and California State and Local Government; and a course dealing with the techniques of quantitative political analysis. Other lower-division courses introducing students to the discipline of political science, the study of international relations and the study of comparative politics also are highly recommended. Transfer students who plan further graduate study are encouraged to take courses in appropriate foreign languages since proficiency in some foreign language often is required in doctoral programs.

CAREER POSSIBILITIES

Teaching

The undergraduate degree in political science is recommended for entrance to graduate school in political science, with the doctorate essential for teaching at the four-year college or university level. The California Single Subject Teaching Credential with the undergraduate degree in the General Political Science Concentration qualifies one to teach at the secondary school level.

Law and Paralegalism

Many political science majors plan to study and practice law as a career. 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. Generally, it would be advisable for the pre-law student to select the General Political Science Concentration, which allows students to focus on an area of public policy like civil rights or consumer protection. Students in Paralegal Studies often combine their program of study with a major or minor in Political Science.

Public Administration

A major in political science with a public administration or public policy emphasis can prepare students for civil service careers at national, state and local levels. While many of these careers require specialized skills (e.g., budgeting or accounting), many require general skills and understanding with on-the-job training providing the required specialized knowledge.

Political science is also an appropriate major for students seeking training for positions in the overseas agencies of the U.S. government or in international organizations.

Journalism

A political science major, combined with an ability to analyze and understand current political events, and the skills to put that analysis into lucid writing, can prepare the student for an attractive career in journalism. Practical experience offered by the university newspaper is highly recommended.

Business

A large number of political science graduates have found employment in the world of business. Preparation for this career involves

a broad liberal arts background, combined with knowledge of governmental organization, public administration, finance, decision-making, organizational behavior and the process by which political decisions about economic policy are made. Many businesses that recruit liberal arts graduates expect to provide them with special training programs.

Other

Other enterprising individuals develop unique and interesting careers for themselves in politics by developing skills in campaign management, speech writing, polling, public relations, lobbying, voting analysis or fund raising. These opportunities result from the initiative of the individual combined with the practical experience gained largely through volunteer service within political campaigns.

MAJOR REQUIREMENTS - BA

GENERAL CONCENTRATION (30 units)

Lower Division Requirements (3 units)

POL 251. Quantitative Methods of Political Analysis or equivalent (3)

Upper Division Requirements (27 units)

A. One course in history of political thought, selected from:

POL 350. History of Political Ideas (3)
POL 351. Modern Political Thought (3)
POL 354. American Political Thought (3)

B. One course in American government, selected from:

POL 310. Current Issues in American Government (3)
POL 312. State and Local Government: Organization and Problems (3)
POL 314. American Political Parties and Elections (3)
POL 315. Congress and the President (3)
POL 318. Public Policy Choices: Distribution of Wealth (3)
POL 320. Urban Government and Policy Choices (3)
POL 360. American Constitutional Law: Distribution of Power (3)
POL 361. American Constitutional Law: Civil Rights (3)

C. One course in comparative government, selected from:

POL 340. Political Change in First and Third World Countries (3)
POL 341. Government and Politics of East Asia (3)
POL 342. Government and Politics of the Middle East (3)
POL 343. Political Behavior in Latin America (3)
POL 344. Latin America: The Revolutionary Tradition (3)
POL 346. Government and Politics of the Soviet Union (3)
POL 349. Government and Politics of Sub-Saharan Africa (3)

D. One course in international relations and foreign policy, selected from:

POL 332. International Security Studies (3)
POL 333. Asian International Relations (3)
POL 334. American Foreign Policy (3)
POL 335. International Politics (3)
POL 336. Theories of International Relations (3)
POL 337. Soviet Foreign Policy (3)
POL 338. Global Planning and the Future (3)

E. Five additional courses in political science selected upon departmental advisement.

GLOBAL POLITICS CONCENTRATION (30 units)

Lower Division Requirements (3 units)

POL 251. Quantitative Methods of Political Analysis (3) or equivalent

Upper Division Requirements (27 units)

- A. Each of the following four courses (12 units):
- POL 334. American Foreign Policy (3)
 - POL 335. International Politics (3)
 - POL 336. Theories of International Relations (3)
 - POL 340. Political Change in First and Third World Countries (3)
- B. One course selected from (3 units):
- ECO 341. International Finance (3)+
 - ECO 345. Economic Development (3)+
 - POL 332. International Security Studies (3)
- C. Four courses selected from international and comparative politics (12 units)
- POL 330. Cultural Pluralism in Global Politics (3)
 - POL 333. Asian International Relations (3)
 - POL 337. Soviet Foreign Policy (3)
 - POL 338. Global Planning and the Future (3)
 - POL 341. Government and Politics of East Asia (3)
 - POL 342. Government and Politics of the Middle East (3)
 - POL 343. Political Behavior in Latin America (3)
 - POL 344. Latin America: The Revolutionary Tradition (3)
 - POL 346. Government and Politics of the Soviet Union (3)
 - POL 349. Government and Politics in Sub-Saharan Africa (3)
 - POL 494. Independent Study (2, 3)+

MINOR REQUIREMENTS (15 units)

Five upper division courses in Political Science

1. Three courses selected from three of the categories A, B, C, D of the General Political Science concentration.
2. Any two additional courses in political science. No course may be repeated for credit toward the minor.

SINGLE SUBJECT WAIVER PROGRAM**REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM FOR THE SINGLE SUBJECT TEACHING CREDENTIAL IN GOVERNMENT (45 units)**

The Single Subject Waiver Program in Government is designed for students interested in a career in teaching government or civics at the secondary school level. This program satisfies the requirements set by the State Commission on Teacher Credentialing for demonstrating substantive preparation in the subject matter field of government (civics). Completion of an approved waiver program or passing a comprehensive examination in the subject matter field fulfills one part of the requirements leading to the Single Subject Teaching Credential in Government. While the waiver program in government is not an academic major, credits earned toward a major in Political Science can be used to meet most of the requirements of the waiver program. Students interested in pursuing a teaching career at the secondary level should meet regularly with the designated departmental waiver program advisor.

The waiver program in government consists of 45 semester units. Part I is the "Core" of thirty semester units in "subjects commonly taught" at the secondary school level. Part II requires fifteen semester units to provide "depth and breadth."

PART I: CORE: "SUBJECTS COMMONLY TAUGHT" (30 UNITS)**American Government and Politics (15 units)**

POL 101. American Institutions (3)

Three courses selected from:

- POL 312. State and Local Government: Organization and Problems (3)
- POL 314. American Political Parties and Elections (3)
- POL 315. Congress and the President (3)
- POL 334. American Foreign Policy (3)
- POL 354. American Political Thought (3)
- POL 360. American Constitutional Law: Distribution of Power (3)

and one course selected from:

- POL 318. Public Policy Choices: Distribution of Wealth (3)
- POL 320. Urban Government and Policy Choices (3)
- POL 323. Black Politics (3)
- POL 325. Women and Politics (3)
- POL 328. Cultural Pluralism in American Politics (3)
- POL 361. American Constitutional Law: Civil Rights (3)
- POL 370. Public Opinion and Propaganda (3)

Comparative Government (6 units)

POL 335. International Politics (3)

and one course selected from:

- POL 100. General Studies Political Science: World Perspectives (3)
- POL 332. International Security Studies (3)
- POL 336. Theories of International Relations (3)
- POL 337. Soviet Foreign Policy (3)
- POL 338. Global Planning and the Future (3)
- POL 341. Government and Politics of East Asia (3)
- POL 343. Political Behavior in Latin America (3)

Emerging Nations (6 units)

POL 340. Political Change in First and Third World Countries (3)

and one course selected from:

- POL 330. Cultural Pluralism in Global Politics (3)
- POL 333. Asian International Relations (3)
- POL 344. Latin America: The Revolutionary Tradition (3)
- POL 349. Government and Politics in Sub-Saharan Africa (3)

Law (3 units)

POL 304. Basic Concepts of Law: Substantive (3) or
POL 305. Basic Concepts of Law: Procedural (3)

PART II: "BREADTH AND DEPTH" (15 UNITS)

POL 251. Quantitative Methods of Political Analysis (3)
HIS 101. History of the United States (3)

and one American history course selected from:

- HIS 330. United States: Colonial Period (3)
- HIS 331. United States: Revolutionary and Constitutional Period (3)
- HIS 332. United States: Early National Period (3)
- HIS 333. United States: Civil War and Reconstruction (3)
- HIS 334. Emergence of Modern American (3)
- HIS 335. United States: War and Depression (3)
- HIS 336. United States: Recent Period (3)

and one world history course from:

- HIS 310. The Ancient World (3)
- HIS 311. Early Middle Ages (3)
- HIS 312. The High Middle Ages (3)
- HIS 313. Renaissance and Reformation (3)
- HIS 314. Emergence of Modern Europe (3)

HIS 315. Twentieth Century Europe (3)

and one additional upper division political science course not used to satisfy Part I "Core" requirements.

COURSE OFFERINGS IN POLITICAL SCIENCE

Lower Division

POL 100 GENERAL STUDIES POLITICAL SCIENCE: WORLD PERSPECTIVES (3). An introduction to world affairs and the role of the individual in an increasingly complex and interdependent international system. Both the conceptual and practical aspects of problem solving and decision making are examined as they relate to international cooperation and conflict. Three hours of lecture per week.

POL 101 AMERICAN INSTITUTIONS (3). 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. Three hours of lecture per week.

POL 251 QUANTITATIVE METHODS OF POLITICAL ANALYSIS (3). An introduction to the techniques of quantitative political analysis, including the design, execution, and analysis of research. Three hours of lecture per week.

Upper Division

AMERICAN INSTITUTIONS

POL 304 BASIC CONCEPTS OF LAW: SUBSTANTIVE (3). 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, torts, crimes, property, contracts, and landlord-tenant. Three hours of lecture per week.

POL 305 BASIC CONCEPTS OF LAW: PROCEDURAL (3). A basic course in understanding the legal system with a focus on basic procedural law. Emphasis will be placed on civil procedure, evidence, and litigation, probate and corporation, partnership and agency. Three hours of lecture per week.

POL 310 CURRENT ISSUES IN AMERICAN GOVERNMENT (3). 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. Three hours of lecture per week.

POL 312 STATE AND LOCAL GOVERNMENT: ORGANIZATION AND PROBLEMS (3). Analysis of functions of state and local government with particular emphasis on California. Examination of state-federal and state-local relations and the policy choices available for solving current problems. Three hours of lecture per week.

POL 313 INTRODUCTION TO PUBLIC ADMINISTRATION (3). 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. Three hours of lecture per week.

POL 314 AMERICAN POLITICAL PARTIES AND ELECTIONS (3). 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. Three hours of lecture per week.

POL 315 CONGRESS AND THE PRESIDENT (3). 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. Three hours of lecture per week.

POL 318 PUBLIC POLICY CHOICES: DISTRIBUTION OF WEALTH (3). 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. Three hours of lecture per week.

POL 320 URBAN GOVERNMENT AND POLICY CHOICES (3). 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. Three hours of lecture per week.

POL 323 BLACK POLITICS (3). 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. Three hours of lecture per week.

POL 325 WOMEN AND POLITICS (3). 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. Three hours of lecture per week.

POL 328 CULTURAL PLURALISM IN AMERICAN POLITICS (3). Discusses the issues of political socialization and cultural differences in the American political arena. Analyzes the political orientations of various ethnic groups in the United States, their cultural and socioeconomic backgrounds, and their levels of political participation and interaction with American political institutions. Three hours of lecture per week.

GLOBAL POLITICS

POL 330 CULTURAL PLURALISM IN GLOBAL POLITICS (3). Discusses from an international perspective the issues facing various national, racial, tribal and religious groups—power, ideology, political socialization, integration, nationalism, cultural differences and separatism. Analyzes the problems of resolving conflict among different cultural groups. Three hours of lecture per week.

POL 332 INTERNATIONAL SECURITY STUDIES (3). 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. Three hours of lecture per week.

POL 333 ASIAN INTERNATIONAL RELATIONS (3). 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. Three hours of lecture per week.

POL 334 AMERICAN FOREIGN POLICY (3). 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. Three hours of lecture per week.

POL 335 INTERNATIONAL POLITICS (3). Study of basic international political theories, principles, and practices including the examination of international system characteristics, foreign policy decision-making, nationalism, security and defense, alliances, law and organization, and war. Three hours of lecture per week.

POL 336 THEORIES OF INTERNATIONAL RELATIONS (3). Analysis of action and interaction of states, decision-making, capability analysis, balance and imbalance, systems analysis, communication, crisis, and game theory. Three hours of lecture per week.

POL 337 SOVIET FOREIGN POLICY (3). An analysis of Soviet foreign policy decision-making, focusing on the national instruments of policy, Soviet interaction with the Communist party-states, the developing nations, and the West. Three hours of lecture per week.

POL 338 GLOBAL PLANNING AND THE FUTURE (3). 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. Three hours of lecture per week.

COMPARATIVE POLITICS

POL 340 POLITICAL CHANGE IN FIRST AND THIRD WORLD COUNTRIES (3). Study of the sources and patterns of political continuity and change in selected countries of the First World (Western Democracies) and selected newly emergent states of the Third World. Cross-national comparisons within and between each world will be made. Three hours of lecture per week.

POL 341 GOVERNMENT AND POLITICS OF EAST ASIA (3). 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. Three hours of lecture per week.

POL 342 GOVERNMENT AND POLITICS OF THE MIDDLE EAST (3). Analysis and explanation of political processes, governments, political issues and foreign relations of the Middle East. Discussion of influence of religion, oil, revolutions and conflicts on Middle East politics. Three hours of lecture per week.

POL 343 POLITICAL BEHAVIOR IN LATIN AMERICA (3). Analysis of political and cultural behavior in South America with a focus on Brazil, Argentina, Chile, Peru, Colombia, and Venezuela. Their sociopolitical institutions, elites, and interest groups; and the impact of national and cross-national cultural pluralism upon political life in the region. Three hours of lecture per week.

POL 344 LATIN AMERICA: THE REVOLUTIONARY TRADITION (3). A comparative analysis of the revolutionary process in Mexico, Central America and Cuba, encompassing the dimensions of the socio-political, cultural and economic characteristics. An emphasis on post-revolutionary developmental politics in Mexico, Nicaragua, Cuba, and on the current social unrest in Central America, including an analysis of ideas, institutions, groups and economic conditions. Three hours of lecture per week.

POL 346 GOVERNMENT AND POLITICS OF THE SOVIET UNION (3). Analysis of the Soviet political system, its political history, the structure and dynamics of Communist Party rule, the Soviet political economy, and the major political, social, and economic problems currently facing the Soviet leadership. Three hours of lecture per week.

POL 349 GOVERNMENT AND POLITICS IN SUB-SAHARAN AFRICA (3). A study of the dynamics of government and politics in Africa south of the Sahara Desert with special emphasis on South Africa. Imperialism and colonial administration, nationalism, and decolonization treated as background to the problems of modernization and nation-building in the region. Three hours of lecture per week.

POLITICAL THOUGHT

POL 350 HISTORY OF POLITICAL IDEAS (3). 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. Three hours of lecture per week.

POL 351 MODERN POLITICAL THOUGHT (3). 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. Three hours of lecture per week.

POL 354 AMERICAN POLITICAL THOUGHT (3). 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. Three hours of lecture per week.

PUBLIC LAW

POL 360 AMERICAN CONSTITUTIONAL LAW: DISTRIBUTION OF POWER (3). 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. Three hours of lecture per week.

POL 361 AMERICAN CONSTITUTIONAL LAW: CIVIL RIGHTS (3). 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. Three hours of lecture per week.

POL 362 CONSUMER PROTECTION LAW AND POLICY (3). 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. Three hours of lecture per week.

POL 366 CRIMINAL LAW AND PROCEDURES (3). Materials and cases treating Criminal Law and procedures within the context of the American policy. 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. Three hours of lecture per week.

POL 368 FAMILY LAW (3). 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. Three hours of lecture per week.

OTHER COURSES

POL 370 PUBLIC OPINION AND PROPAGANDA (3). 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. Three hours of lecture per week.

POL 371 CONFLICT, VIOLENCE AND NON-VIOLENCE (3). Examination of relevant theories and instances of aggression, sociopolitical conflict and conflict resolution, various types of political violence (as terrorism, revolution, urban riots) and non-violence. Course will present an overview of all these topics, or focus on one topic in detail, such as terrorism, revolution, or non-violence. Three hours of lecture per week.

POL 375 TECHNOLOGICAL POLICY AND THE FUTURE (3). 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 high technology vs. appropriate technology also global restructuring trends from technological change. Course will focus on one or more such technological topics depending upon the instructor. Three hours of lecture per week.

POL 494 INDEPENDENT STUDY (2-3). *Prerequisite: Consent of instructor is recommended.* Independent study of a particular problem under the direction of a member of the Political Science Department.

POL 495 SPECIAL TOPICS IN POLITICAL SCIENCE (3).* 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. Three hours of seminar per week.

POL 496 INTERSHIPS IN POLITICAL SCIENCE (3).* 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.

*Repeatable course.



PRE-LAW

Law

Applicants for admission to most law schools are expected to have a B.A. or a B.S. degree and to have taken the Law School Admission Test (LSAT). There is no single "pre-law" major since the successful study of law more often is 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.

Objectives of Pre-law Studies and Academic Majors

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 choose carefully, with the aid of appropriate advisors, courses that 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 should 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 students select public science or public administration as their major.

Possible Minors or Elective Courses

Law schools want students who can think, read and write and who have some understanding of the forces that have shaped human experience. These attributes can be acquired in any number of college courses whether in the humanities, the social sciences or the natural sciences.

English language and literature courses virtually are indispensable. At the same time, every law student should be aware of the institutional processes of government through which much of the law is made and applied. This awareness can be gained through study in political science and public administration. Because the law is inseparable from our historical experience, some acquaintance with American history is helpful. The fact that many legal subjects are concerned intimately with economic relations among individuals and with the structure and development of business enterprises makes a knowledge of macro and microeconomics valuable. Physics, chemistry, mathematics, statistics, accounting and computer science are other courses helpful to the understanding of special legal subjects and in the practice of law, and may develop mental abilities that will be tested by the LSAT.

Paralegal Studies

The University also offers a paralegal program. See Paralegal Studies in the Academic Programs section of this catalog. A pre-law student may want to consider taking some of the courses listed in the paralegal program in preparation for future studies in law school.

Law School Admissions Test

The LSAT is a standardized examination designed to measure mental abilities important in the study of law and covers a broad range of academic disciplines. Nearly every law school in the United States requires its applicants to take the LSAT. Students should allow time for adequate preparation for the LSAT. Many law schools require that the LSAT be taken by December of the year preceding law school entry. A packet of information about the LSAT is available from Dr. Gary Colboth, (213) 516-3768, the

political science department, (213) 516-3433, the university information center or by writing directly to the Law School Admission Services, Box 2000, Newtown, PA 18940.

Phi Alpha Delta

Students are encouraged to join and participate in the university's local chapter of Phi Alpha Delta, a pre-law society.

Information about the chapter is available from Dr. Jeanne Curran, (213) 516-3831.

Sources of Additional Information

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. Usually a copy of the latest edition of the Pre-Law Handbook will be on reserve in the library.

Students can get information from the University pre-Law advisor, Dr. Gary Colboth, Esq. at (213) 516-3768. Also, students may contact pre-law advisors in the Political Science Department at (213) 516-3434.



PRE-MEDICAL PROGRAM

PRE-MEDICAL PROFESSIONAL PROGRAMS

Pre-Medicine
Pre-Dentistry
Pre-Osteopathy
Pre-Veterinary Medicine
Pre-Pharmacy
Pre-Optometry
Pre-Podiatry Pre-Chiropractic

FACULTY

Premedical Professional Advisory Committee:

James Lyle (Chair), Eugene Garcia, Gene Kalland, Sofia Papatheodorou, Laura Phillips, John Roberts, William Wilk

NSM B-202, (213) 516-3376

PROGRAM DESCRIPTION

Medical and dental schools require one-year lecture and laboratory courses in general chemistry, organic chemistry, physics and general biology. Many medical schools recommend additional courses in embryology, genetics and biochemistry; and some also require mathematics through calculus. A student may meet the requirements for admission by one of three plans: a) completing the major in biology with a minor in organic/biochemistry, b) completing the B.A. major in chemistry with a minor in biology, or c) majoring in any field and fulfilling concurrently the specific course requirements of the prospective medical or dental schools. The student should also endeavor to obtain a broad liberal arts education by taking elective units in the humanities, fine arts, and social and behavioral sciences.

Post-Baccalaureate Students

Students who already have a bachelor's degree in an area other than the sciences may fulfill the minimum requirements for entrance into medical and dental schools by completing the core requirements as a post baccalaureate student.

FEATURES

CSU Dominguez Hills offers the courses required for admission to professional schools in all of the related medical areas. Students benefit from small class size, close instructor contact and an active advising program. CSU Dominguez Hills graduates compete successfully for admission to professional schools in California and elsewhere.

Students planning to enter these professions may work toward the baccalaureate degree in one of the major fields offered by the School of Science, Mathematics and Technology. Most courses required by these professional schools, such as full-year introductory courses in biology, chemistry and physics are included in the requirements for science majors; any additional courses may be taken as part of an appropriate minor, or as electives. While some schools accept qualified students after the end of the third year, most of the students accepted to professional schools have obtained the B.A. or B.S. degree.

ACADEMIC ADVISING

Regardless of their major, pre-professional students must be advised by members of the pre-medical committee. Students should contact the Office of the Dean of Science, Mathematics and Technology to arrange to see an advisor who will assist them in planning a program which will fulfill the entrance requirements for professional school. Because entrance requirements vary, it is important that students find out the specific requirements of each school to which they plan to apply.

PREPARATION

High school students should include courses in algebra, biology and chemistry in their high school preparation.

Community college transfers may complete some of the lower division required courses at a community college. However, they should also consult the University catalog for their proposed major requirements.

PRE-MEDICAL REQUIREMENTS

To meet the minimum admission requirements for the medical schools in the state of California, the following courses should be taken:

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- CHE 230. Quantitative Analysis (4)
- CHE 310. Organic Chemistry I (4)
- CHE 311. Organic Chemistry Lab I (1)
- CHE 312. Organic Chemistry II (3)
- CHE 313. Organic Chemistry Lab II (2)
- BIO 210. Principles of Biology I (4)
- BIO 212. Principles of Biology II (4)
- BIO 314. Embryology (3)
- BIO 320. Cell Biology (3)
- BIO 340. Genetics (3)
- ENG 110. Freshman Composition I (3)
- ENG 111. Freshman Composition II (3)
- MAT 191. Calculus I (4)
- MAT 193. Calculus II (4)
- PHY 120. Elements of Physics I (4)
- PHY 122. Elements of Physics II (4) or
- PHY 130. General Physics I (5)
- PHY 132. General Physics II (5)

(strongly recommended is CHE 450-451 Biochemistry I)

PRE-DENTAL REQUIREMENTS

To meet the minimum admission requirements for dental schools in the state of California, all of the courses required for pre-medical students, with the exception of MAT 191, MAT 193 should be completed.

PRE-VETERINARY, PRE-PHARMACY, PRE-PODIATRY, ETC.

The admission requirements for other related medical areas are similar to the requirements for pre-medicine. Consult a pre-medical advisor who will assist in planning the program.



PSYCHOLOGY

BACHELOR OF ARTS

MINOR

MASTER OF ARTS

General Psychology Option
Clinical Psychology Option

FACULTY

Undergraduate

Larry Rosen, Department Chair

Art Bohart, Stan Danis, Lisa Gray-Shellberg, Aaron Hass, George Marsh, Milo M. Milfs (Emeritus), Ramona Davis, Harvey Nash (Emeritus), Beverly Palmer, Eleanor Price (Emeritus), Diane Henschel, Deborah Sears, Fred Shima, Quentin Stodola (Emeritus), Judy Todd, Sandy Wilcox

Jo Ann Uno, Department Secretary
SBS A-336, (213) 516-3427

Graduate

Beverly Palmer, Graduate Coordinator

Social and Behavioral Sciences Graduate Programs Office
SBS B-334, (213) 516-3435

PROGRAM DESCRIPTION

Psychology is about people's behavior and about people's experience. Psychologists teach and do research or applied work on subjects relating to the physical sciences, the social and behavioral sciences, and the humanities. In order to discover more about behavior, psychologists study both humans and animals. Psychology covers a wide range of topics, from the way our social environment influences us to the inner workings of our bodies. This diversity of topics is reflected in the psychology curriculum.

Psychology is a natural and social science that includes theory, research, practical and creative applications. Psychologists are involved in:

- studying questions such as how memory works, how behavior and the nervous system are related, how infants perceive their world, and how our attitudes and prejudices develop and how they influence our behavior
- developing theories of human behavior and mental processes
- providing services for people experiencing problems
- working with business and governmental agencies to improve productivity and the working environment
- using psychological principles to improve our physical and social environment

The Psychology Department at CSU Dominguez Hills offers both undergraduate and graduate degrees with the opportunity for students to focus their studies in areas such as: experimental or general psychology; clinical psychology; counseling and human services; personal development; human factors in computer systems and engineering; and psychology of business, industry and organizations. Students majoring in other disciplines such as the computer, health or clinical sciences, business administration, communications or education will find that a minor or electives in psychology will provide them with up-to-date knowledge of direct relevance to their chosen professions.

Graduates with a bachelor of arts in psychology are qualified for a wide variety of positions in business, industry and public service; the skills they develop within the psychology curriculum make

them prime candidates for promotion and other types of career advancement. A master of arts graduate also qualify for a wide range of positions, generally at a higher level of responsibility and salary, and for research and counseling positions in diverse settings. Many of our graduates complete the doctorate at institutions throughout the country and obtain professional positions in teaching, research and service.

FEATURES

At the undergraduate level, the Department of Psychology provides opportunity for the study of three different aspects of the field. For students interested in the research and scientific aspects, courses on the application of the scientific method to the study of human and animal behavior offered. For those with applied interests, courses relating to counseling, clinical psychology, health psychology and behavioral medicine, gerontology, industrial and organizational psychology, computers, and service in community agencies are offered. For students with a general interest in psychology, many courses provide knowledge that is useful in understanding ones self and in understanding and relating to others more effectively.

In terms of careers related to those three aspects of psychology, the program supplies a sound background for those who pursue graduate study in the discipline, and for students who enter the professions, the fields of mental health or education, or have careers in the private or public sector. Refer to the Career Possibilities and "Elective Clusters" available in the department office for more detailed information about ways psychology can be used to enhance student career options.

Requirements for the bachelor of arts in psychology can be completed by attending class during the day or evening hours. Most psychology courses are small and allow for substantial student-faculty interaction.

Upper division research seminars provide opportunities for individual research experience. Psychology laboratories and a psychology technician provide equipment, materials and technical support for research-oriented and laboratory courses. For training in clinical, social and developmental psychology, specific rooms with observation windows and sound systems have been designed for trainer/trainee interaction. In addition, special labs and individual rooms are available for work in perception, physiological psychology, instructional methods, psychological testing and comparative psychology.

The department currently offers a family counseling service, available to CSU Dominguez Hills students, employees and their family members, which is staffed by graduate students under the supervision of a faculty member licensed in clinical psychology. It also has an ongoing program to deal with computer phobia. This program, funded by the U.S. Department of Education, is the only one of its kind in the nation. Program faculty and student interns use a variety of behavioral approaches to assist students in overcoming fear, anxieties and doubts about using computers.

The department has a chapter of Psi Chi, the National Honor Society for Psychology, and a psychology club.

ACADEMIC ADVISEMENT

Psychology department faculty provide advising for the psychology major, minor and electives as well as General Studies/General Education advisement for psychology majors.

Students should contact an advisor, preferably one who is compatible with their interests, personality and schedule. If a student does not establish rapport with a particular advisor, then he/she may select another. Students can obtain an advisor by contacting the Psychology Department, SBS A-336, 516-3427.

Students who are contemplating or have decided upon a major or minor in psychology or who have an interest in taking psychology courses as electives should see an advisor at their first opportunity. Mandatory advising sessions are required: (1) when a student first enters CSU Dominguez Hills; (2) at the completion of 60 semester units; (3) at the completion of 90 semester units; and

(4) when the graduation advisement form is prepared, usually one term before the intended date of graduation. However, it is in students' best interest to see an advisor at least once a semester, even if the session is not mandatory.

PREPARATION

High school students are encouraged to take four years of English and three years of mathematics including algebra. Courses in biology and psychology and the other social and behavioral sciences are recommended. Knowledge of computers is helpful for some courses.

Transfer students should contact their counseling center or advisor to identify appropriate lower-division major/minor preparatory courses. Whenever possible, transfer students who do not plan to transfer until their junior year should take the lower division equivalents of Psychology 101: General Studies Psychology, Psychology 230: Elementary Statistical Analysis in Psychology, and Psychology 235: Introduction to Research Methods.

CAREER POSSIBILITIES

In addition to preparing students for graduate study in psychology and other professions, an undergraduate degree can lead directly to employment. The psychology faculty have developed lists of courses in psychology and other disciplines that can be combined to lead naturally to different employment opportunities. "Elective Clusters" for students interested in careers in computer systems and engineering, business and industry, education, counseling and human services and several other areas are available from the Psychology Department office.

As an elective, a minor or a major, psychology offers courses of study that students can use to increase their career options and develop the skills, knowledge and attitudes, which are important for success and advancement in the professions, business and government. Some ideas for using selected psychology courses for career enhancement can be found in the "Elective Clusters" available from the department office. Psychology courses also can be used to develop and strengthen adaptive or intellectual skills, add to students' knowledge base and facilitate development of behavioral traits and attitudes linked to career success. The adaptive skills that are most directly fostered within the psychology curriculum are: interpersonal and human relations skills, thinking and problem solving skills, communication skills.

For more information on courses relevant to developing adaptive skills, on "Elective Clusters", or on career alternatives and assistance in selecting courses relevant to career goals, contact an advisor through the Psychology Department Office, SBS A-336, 516-3427.

Psychology is an excellent major or minor for students who are interested in careers in management, communication, marketing or other positions that require understanding of human behavior and human interactions. Many students who are interested in careers in law or medicine choose a psychology degree for their undergraduate major. The psychology degree is pursued by many students who wish to engage in graduate study in psychology at the masters or doctoral level as preparation for careers in mental health, psychological research, industrial and organizational psychology and college teaching.

MAJOR REQUIREMENTS - BA (33 units)

Lower Division Requirements (9 units)

- PSY 101. General Studies Psychology: Understanding Human Behavior (3)
- PSY 230. Elementary Statistical Analysis in Psychology (3)
- PSY 235. Introduction to Research Methods (3)

Upper Division Requirements (24 units)

- A. One course from the following list to provide a foundation in the quantitative methods of psychology. Both courses are recommended for students planning to pursue graduate studies.

PSY 330. Behavioral Statistics and
Research Design (3)+ or
PSY 331. Measurement in Psychology (3)+

- B. PSY 305. History and Systems of Psychology (3)

- C. One of the lecture courses listed below and one corresponding research seminar to provide research experience in a selected content area of psychology. It is recommended that students planning to pursue graduate studies take more than one of these lecture/seminar combinations. (6 units)

PSY 411. Advanced Research Methods in Personality and Social Psychology (3)+
PSY 412. Research Seminar in Personality and Social Psychology (3)+
PSY 413. Advanced Research Methods in the Comparative Psychology of Learning and Behavior (3)+
PSY 414. Research Seminar in Comparative Psychology of Learning and Behavior (3)+
PSY 415. Advanced Research Methods in Human Information Processing (3)+
PSY 416. Research Seminar in Human Information Processing (3)+
PSY 417. Advanced Research Methods in Sensation and Psychophysiology (3)+
PSY 418. Research Seminar in Sensation and Psychophysiology (3)+

- D. Three additional upper division courses in the department chosen in consultation with the student's advisor (may include courses not chosen in A and C above). However, only one course of the following type may be counted toward the major: fieldwork, practicum, directed research, and independent study. (9 units)

- E. PSY 490. Senior Seminar Psychology (3)+

MINOR REQUIREMENTS (15 units)

Five courses (15 units) selected from upper division psychology courses, except PSY 490. Only two courses of the following type may be counted toward the minor: fieldwork, practicum, directed research, and independent study. PSY 235 may be substituted for one upper division course.

MAJOR REQUIREMENTS - MA

The master of arts includes two options: (1) General Psychology and (2) Clinical Psychology. Inquiries about each option should be directed to the Psychology Graduate Coordinator.

The General Psychology Option 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 the General Psychology Option the student is required to complete 30 units of credit, including courses in the major areas of

psychology such as Learning, Memory, Cognition, 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.

The Clinical Psychology Option 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 clinical psychology as it is applied within a community mental health framework. The student is offered a unique opportunity to obtain solid academic knowledge of clinical psychology coupled with extensive supervised experience in the application of the knowledge. The Clinical option, with the addition of courses in marriage, family and child counseling, can be preparation for the MFCC license.

In the Clinical Program the student is required to complete 30 units of credit, plus 540 hours of supervised practicum in a clinical setting within the community. In addition, the student must successfully complete a written comprehensive examination or a thesis.

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 credit/no credit or other grading system not involving A, B, C, D, or F grades.
3. At least 12 units of psychology undergraduate courses selected from the following or equivalents:
 - PSY 230. Elementary Statistical Analysis in Psychology (3)
 - PSY 235. Introduction to Research Methods (3)
 - PSY 330. Behavioral Statistics and Research Design (3)
 One upper division psychology course including laboratory work or research seminar 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 completion of all of the following:

1. All requirements for admission.
2. All courses listed in (3) above plus one elective upper division course.
3. The Graduate Record Examination (GRE) Aptitude Test.
4. The GRE Advanced Test in Psychology.

ADMISSION TO THE CLINICAL PSYCHOLOGY OPTION

1. A bachelor of arts degree or equivalent from a fully accredited institution.
2. Completion of GRE Aptitude Test or Miller Analogy Test.
3. At least a "B" average in the last 60 semester units attempted (excluding lower division and extension units).
4. Successful completion at least a ("B" average) of the following undergraduate courses or their equivalent:
 - PSY 230. Elementary Statistical Analysis in Psychology (3)
 - PSY 235. Introduction to Research Methods (3)
 - PSY 331. Measurement in Psychology (3)

- PSY 360. Theories of Personality (3)
 PSY 363. The Abnormal Personality (3)
 PSY 464. Introduction to Clinical Psychology (3)

5. 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).
6. Three letters of recommendation.
7. A personal interview may be required.

Application forms for the Graduate Program are available in the SBS Graduate Programs Office.

ADMISSION PROCEDURES

1. Mail the following documents directly to: Graduate Psychology Admissions Committee, General Psychology Masters Program or Graduate Psychology Admissions Committee, Clinical Masters Program.

California State University, Dominguez Hills
 1000 E. Victoria Street
 Carson, California 90747

- a. Application for admission to the master's program in General Psychology or Clinical Psychology.
 - b. One official transcript from each college attended.
 - c. Official score report of the Graduate Record Examination (GRE) for the General Aptitude and Advanced Psychology Tests for General Psychology Option or the Graduate Record Examination General Aptitude Test or the Miller Analogy Test (MAT) for the Clinical Option. Call the Testing Office (516-3909) to obtain schedule for the GRE and the MAT.
 - d. Two (for General Psychology Option) or three (for Clinical Option) letters of recommendation.
2. For Clinical Option, you may be asked to attend a personal interview as part of the selection procedure.
 3. You must also apply to the University. To request an application to the University, please call the Information Service Center at 516-3696. This requires another set of original transcripts to be sent to the Admissions and Records Office.
 4. All documents listed under item 1 must be on file in the Department of Psychology in order for your application to be considered for entrance to the program. For the Clinical Option, the deadline for applications is April 1 for entrance to the program in the Fall semester. For the General Psychology Option, please call the Graduate Program office at (213) 516-3435 for the deadlines.

ADVANCEMENT TO CANDIDACY

General Psychology Option

A student must be advanced to candidacy before enrolling in Psychology 599 (Thesis) (1-3). In addition to having classified status, the requirements for advancement to candidacy are the completion of:

1. PSY 530. Advanced Analysis of Variance and Multivariate Techniques (3)
2. PSY 535. Advanced Research Methods (3)
3. PSY 563. Seminar in Psychopathology (3)
4. Two of the following:
 - PSY 510. Advanced Learning, Memory and Cognition (3)
 - PSY 516. Perceptual Processes (3)
 - PSY 517. Seminar in Physiological Psychology (3)
 - PSY 540. Seminar in Social Psychology (3)
 - PSY 550. Seminar in Developmental Psychology (3)
 - PSY 560. Seminar in Personality (3)
5. One other 3-unit 500 level psychology course, excluding PSY 597, and PSY 598.

6. Completion of the Graduate Writing Competency Requirement.

Clinical Psychology Option

A student must be advanced to candidacy before taking the comprehensive examination or enrolling in Psychology 599 Thesis (1-3). The requirements for advancement to candidacy are as follows:

1. Classification in the Clinical Psychology Option.
2. Completion of a minimum of 24 semester units of required courses.
3. Completion of the Graduate Writing Competency Requirement.

Degree Requirements

GENERAL PSYCHOLOGY OPTION (30 units)

1. Course Requirements
 - A. Research Methodology and Evaluation Component: (6 units)
 - PSY 530. Advanced Analysis of Variance and Multivariate Techniques (3)
 - PSY 535. Advanced Research Methods (3)
 - Electives (for section E below):
 - PSY 566. Individual Intellectual Assessment (3)
 - PSY 567. Individual Assessment (3)+

plus any other courses upon approval of graduate coordinator (for one course) and/or graduate general option committee (for more than one course).
 - B. Experimental Component (9 units)

Select three of the following:

 - PSY 510. Advanced Learning, Memory and Cognition (3)
 - PSY 516. Perceptual Processes (3)
 - PSY 517. Seminar in Physiological Psychology (3)
 - PSY 540. Seminar in Social Psychology (3)
 - PSY 550. Seminar in Developmental Psychology (3)
 - PSY 560. Seminar in Personality (3)
 - C. Applied Component: (6 units)
 - PSY 563. Seminar in Psychopathology (3)+

Select one of the following:

 - PSY 564. Advanced Psychotherapy Techniques (3)+
 - PSY 569. Therapeutic Communication (3)+ or
 - PSY 565. Psychology of Clinical Groups (3)+
 - PSY 570. Community Psychology: Current Theory and Issues (3)+
 - D. PSY 599. Thesis (3 units)+ (a maximum of three units will be allowed toward the degree)
 - E. Select two additional elective courses from A, B, C above or from the following (6 units):
 - PSY 572. Seminar in Industrial/Organizational Psychology (3)
 - PSY 597. Directed Reading (1-3)
 - PSY 598. Directed Research (1-3)

(limit of 3 units of either or both PSY 597-598)
2. Completion of the Graduate Writing Competency requirement within 2 semesters of admission to this program.
3. Completion of thesis.
4. A grade point average of 3.0 or better in all courses taken to satisfy the requirements for completion of the degree.

CLINICAL PSYCHOLOGY OPTION (30 units)

1. A total of 30 units at the graduate level, including 6 units of practicum are required for the Master's degree.

The required courses are: (24 units)

- PSY 535. Advanced Research Methods (3)
- PSY 563. Seminar in Psychopathology (3)
- PSY 564. Advanced Psychotherapy Techniques (3)
- PSY 566. Individual Intellectual Assessment (3)
- PSY 567. Individual Assessment (3)+
- PSY 570. Community Psychology: Current Theory and Issues (3)
- PSY 571. Practicum in Clinical-Community Psychology (3, 3)

One course chosen from the following: (3 units)

- PSY 510. Advanced Learning, Memory and Cognition (3)
- PSY 516. Perceptual Processes (3)
- PSY 517. Seminar in Physiological Psychology (3)
- PSY 530. Advanced Analysis of Variance and Multivariate Techniques (3)
- PSY 540. Seminar in Social Psychology (3)+
- PSY 550. Seminar in Developmental Psychology (3)+
- PSY 560. Seminar in Personality (3)+
- PSY 572. Seminar in Industrial/Organizational Psychology (3)

One course chosen from the following: (3 units)

- PSY 565. Psychology of Clinical Groups (3)
- UNV 421. The Self in Group Process (3)
- PSY 569. Therapeutic Communication (3)

2. Completion of the Graduate Writing Competency requirement within 2 semesters of admission to the program.
3. A grade point average of 3.0 or better in all courses taken to satisfy the requirements of the degree.
4. Comprehensive written examination (a "B" is the minimum passing grade), or thesis.
5. At least 550 hours of supervised practicum experience.

COURSE OFFERINGS IN PSYCHOLOGY**Lower Division**

PSY 101 GENERAL STUDIES PSYCHOLOGY: UNDERSTANDING HUMAN BEHAVIOR (3). An introduction to psychology emphasizing the personal, cognitive and social development and functioning of the individual, and the influence of both physiological and social factors. Consideration of basic concepts and applications. Not open for credit to students who have credit for PSY 100. Three hours of lecture per week.

PSY 110 CRITICAL THINKING AND PROBLEM SOLVING (3). Course is designed to improve critical thinking and problem solving skills such as deductive and inductive reasoning, probabilistic reasoning and decision-making. May include computer-assisted instruction. A-C/NC grading. Three hours of lecture per week.

PSY 230 ELEMENTARY STATISTICAL ANALYSIS IN PSYCHOLOGY (3). The application of descriptive and inferential statistics to the design and analysis of psychological research. Three hours of lecture per week.

PSY 235 INTRODUCTION TO RESEARCH METHODS (3). *Prerequisite:* PSY 230 or MAT 131. 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. Two hours of lecture and three hours of laboratory per week.

PSY 285 HEALTH PSYCHOLOGY (3). Health is a function of the whole person, physical, psychological, and social. Health psychology stresses application of psychological principles to prevention medicine, public health, gerontology. Activity projects utilize behavior principles to improve students' health.

Upper Division

PSY 305 HISTORY AND SYSTEMS OF PSYCHOLOGY (3). The study of the development of psychology as a discipline, and the influence of principal leaders and modern psychology. Three hours of lecture per week.

PSY 312 THEORIES OF LEARNING (3). Consideration of the major theories of learning and their experimental bases. Three hours of lecture per week.

PSY 313 MOTIVATION AND EMOTION (3). The consideration of theories of motivation and emotion including an intensive study of experimental research on drives, needs, preferences, and situational determinants of behavior. Three hours of lecture per week.

PSY 314 BEHAVIOR MODIFICATION (3). *Prerequisite:* PSY 100 or equivalent. The application of principles and concepts from the experimental analysis of behavior to problems outside the laboratory per week. Each student will successfully complete a project. Three hours of lecture per week.

PSY 320 PSYCHOPHARMACOLOGY (3). *Prerequisite:* PSY 319 is recommended. Effects of drugs on mood, personality and behavior. Drug use in treatment of mental disorders in children, adults, and the elderly. Three hours of lecture per week.

PSY 330 BEHAVIORAL STATISTICS AND RESEARCH DESIGN (3). *Prerequisite:* PSY 230 or MAT 131. 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 three hours of laboratory per week.

PSY 331 MEASUREMENT IN PSYCHOLOGY (3). *Prerequisite:* PSY 230 or MAT 131. 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. Two hours of lecture and two hours of laboratory per week.

PSY 340 SOCIAL PSYCHOLOGY: PSYCHOLOGICAL PERSPECTIVE (3). A broad survey of theories and research areas in social psychology. Including such topics as aggression, prejudice, person perception, leadership and conformity. Three hours of lecture per week.

PSY 342 INTERPERSONAL AND GROUP DYNAMICS (3). 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. Three hours of lecture per week.

PSY 350 DEVELOPMENTAL PSYCHOLOGY (3). The cognitive, psychological and social development of the child from birth to adolescence. Fieldwork at discretion of instructor. Three hours of lecture per week.

PSY 351 PSYCHOLOGY OF ADOLESCENT EXPERIENCE (3). 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 per week.

PSY 352 PSYCHOLOGY OF ADULT DEVELOPMENT AND AGING (3). Theories and research in adult development and aging, including the effects of physiological and socio-economic changes on psychological variables within an aging population. Three hours of lecture per week.

PSY 353 THE EXPERIENCE OF DEATH AND DYING: PSYCHOLOGICAL PERSPECTIVES (3). 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 responses to death. Three hours of lecture per week.

PSY 360 THEORIES OF PERSONALITY (3). A study of basic theories of personality including type theories; trait theories; psychoanalytic, learning, biosocial, self, and holistic-integrative theories. Three hours of lecture per week.

PSY 363 THE ABNORMAL PERSONALITY (3). The causes and manifestations of abnormal behavior. Field study and case study. Three hours of lecture per week.

PSY 367 EFFECTIVE COMMUNICATION SKILLS (3). Training and practice in effective communication skills, such as active listening, accurate empathy, respect, genuineness, concreteness, assertion and message sending. Lecture will provide theoretical and empirical rationale for applied skills and techniques. Supervised small group practice will provide experience and feedback on applying such skills. Three hours of lecture per week.

PSY 368 HUMAN SEXUALITY (3). Course will cover the physiological and psychological aspects of human sexuality. The origin and treatment of sexual dysfunction will also be discussed. Three hours of lecture per week.

PSY 372 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (3). Survey of the application of psychology to organizations, personnel, work environments, buying, and selling, with particular attention to current issues. Three hours of lecture per week.

PSY 376 PSYCHOLOGY OF FEMALE IDENTITY (3). Antecedents of identity and the self concept of women. Intrapersonal dynamics and interpersonal relationships as affected by role socialization and the social environment. Three hours of lecture per week.

PSY 378 PSYCHOLOGY OF LANGUAGE AND COMMUNICATION (3). 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. Three hours of lecture per week.

PSY 380 PSYCHOLOGY OF THE MEXICAN-AMERICAN I (3). *Prerequisite: PSY 340 is recommended.* 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. Three hours of lecture per week.

PSY 382 PSYCHOLOGICAL DEVELOPMENT OF THE BLACK CHILD (3). 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 per week.

PSY 383 PSYCHOLOGY OF THE BLACK EXPERIENCE (3). 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. Three hours of lecture per week.

PSY 396 PRACTICUM IN PSYCHOLOGY (3). *Prerequisite: Consent of instructor.* 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. CR/NC grading. Two hours of lecture per week.

PSY 411 ADVANCED RESEARCH METHODS IN PERSONALITY AND SOCIAL PSYCHOLOGY (3). *Prerequisites: PSY 230; PSY 235; PSY 340 or PSY 360; concurrent enrollment in PSY 412.* Examination of selected areas of personality and social psychology, such as interpersonal attraction, self concept, and attitudes. Equips students to understand, evaluate and independently conduct research. Three hours of lecture per week.

PSY 412 RESEARCH SEMINAR IN PERSONALITY AND SOCIAL PSYCHOLOGY (3). *Prerequisites: PSY 230 and PSY 235; concurrent enrollment in PSY 411.* Development of research skills in personality and social psychology including conception, design and conduct of studies, analyzing, organizing and evaluating findings and communicating results. Three hours of seminar.

PSY 413 ADVANCED RESEARCH METHODS IN THE COMPARATIVE PSYCHOLOGY OF LEARNING AND BEHAVIOR (3). *Prerequisites: PSY 230 and PSY 235; concurrent enrollment in PSY 414.* Examination of selected areas of learning and behavior such as classical and operant conditioning, learning and ethology. Equips students to understand, evaluate and independently conduct research. Three hours of lecture per week.

PSY 414 RESEARCH SEMINAR IN COMPARATIVE PSYCHOLOGY OF LEARNING AND BEHAVIOR (3). *Prerequisites: PSY 230, and PSY 235; concurrent enrollment in PSY 413.* Development of research skills in comparative psychology of learning and behavior, including conception, design and conduct of studies, analyzing, organizing and evaluating findings, and communicating results. Discussion of students research design and results. Three hours of seminar.

PSY 415 ADVANCED RESEARCH METHODS IN HUMAN INFORMATION PROCESSING (3). *Prerequisites: PSY 230 and PSY 235; concurrent enrollment in PSY 416.* Examination of selected areas of human information processing such as attention, memory, and decision-making. Equips students to understand, evaluate, and independently conduct research. Three hours of lecture per week.

PSY 416 RESEARCH SEMINAR IN HUMAN INFORMATION PROCESSING (3). *Prerequisites: PSY 230 and PSY 235; concurrent enrollment in PSY 415.* Development of research skills in human information processing, including conception, design and conduct of studies, analyzing, organizing and evaluating findings and communicating results. Three hours of seminar.

PSY 417 ADVANCED RESEARCH METHODS IN SENSATION AND PSYCHOPHYSIOLOGY (3). *Prerequisites: PSY 230 and PSY 235; concurrent enrollment in PSY 418.* Examination of selected areas of sensation and psychophysiology, such as physiology of the nervous system, neuropsychological mechanisms of behavior and the sense modalities. Three hours of lecture per week.

PSY 418 RESEARCH SEMINAR IN SENSATION AND PSYCHOPHYSIOLOGY (3). *Prerequisites: PSY 230 and PSY 235; concurrent enrollment in PSY 417.* Development of research skills in sensation and psychophysiology, including conception, design and conduct of studies, analyzing, organizing and evaluating findings and communicating results. Three hours of seminar.

PSY 431 COMPUTER APPLICATIONS IN PSYCHOLOGY (3).

Prerequisite: PSY 230 or its equivalent. Introduction to computer applications in psychology including use of computers in research, data analysis, report writing, testing and computer assisted instruction. A wide range of applications in various subfields of psychology will be considered. Three hours of lecture per week.

PSY 454 LIFE-SPAN ISSUES IN COUNSELING (3).

Prerequisites: PSY 367 and PSY 464. An intensive examination of clinical issues, approaches, and techniques appropriate to different developmental stages. Topics may focus on counseling children and adolescents, family counseling, or counseling the elderly. Three hours of lecture per week.

PSY 464 INTRODUCTION TO CLINICAL PSYCHOLOGY (3).

Prerequisite: PSY 363. An overview of psychology in the clinical situation. The scope, ethics, theories, and methods of clinical psychology. Three hours of lecture per week.

PSY 470 COMMUNITY PSYCHOLOGY: ISSUES AND PRACTICE (3).

Prerequisite: PSY 363 or consent of instructor. Introduction to issues and concepts in community psychology, including the study of community organization and intervention programs. Three hours of lecture per week.

PSY 490 SENIOR SEMINAR IN PSYCHOLOGY (3).

Prerequisite: Consent of instructor. 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. Three hours of seminar per week.

PSY 494 INDEPENDENT STUDY (2-3).*

Prerequisite: Consent of instructor. A reading program of selected topics conducted under the supervision of a faculty member.

PSY 495 SEMINAR ON SPECIAL TOPICS IN PSYCHOLOGY (3).*

Prerequisite: Consent of instructor. 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. Three hours of seminar per week.

PSY 496 INTERNSHIP (6).

Prerequisites: Consent of instructor, senior standing and PSY 396. Survey of professional and ethical issues in the helping professions. Supervised internships in human services setting.

PSY 498 DIRECTED RESEARCH (2-3).*

Prerequisite: Consent of instructor. The student develops and completes an individual study under faculty supervision.

Graduate

Graduate standing and consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

PSY 510 ADVANCED LEARNING, MEMORY AND COGNITION (3).

Prerequisites: PSY 230 or MAT 131; PSY 235; PSY 413, PSY 414, PSY 415, PSY 416 or equivalent. Intensive study, examination, and critical analysis of contemporary theory and research in learning, memory and cognition. Three hours of lecture per week.

PSY 516 PERCEPTUAL PROCESSES (3).

Prerequisites: PSY 230 or MAT 131; PSY 417, PSY 418, or equivalent. Empirical and theoretical consideration of perception in terms of psychophysics information processing and selected topics. Three hours of lecture per week.

PSY 517 SEMINAR IN PHYSIOLOGICAL PSYCHOLOGY (3).

Prerequisites: PSY 230 or MAT 131; PSY 417 and PSY 418, or PSY 319 or equivalent. An advanced study of the physiological correlates of psychological phenomena including learning, motivation, emotion, sleep and personality. Three hours of seminar per week.

PSY 530 ADVANCED ANALYSIS OF VARIANCE AND MULTIVARIATE TECHNIQUES (3).

Prerequisites: PSY 230 or MAT 131; PSY 235 and 330. Advanced analysis of variance including multifactor randomized groups and repeated measures designs, nested designs, analysis of covariance, multiple regression, multiple discriminant function, factor analysis. Three hours of lecture per week.

PSY 535 ADVANCED RESEARCH METHODS (3).

Prerequisites: PSY 230 or MAT 131; PSY 235; PSY 330 or equivalent is required; PSY 530 is recommended. 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. Three hours of lecture per week.

PSY 540 SEMINAR IN SOCIAL PSYCHOLOGY (3).

Prerequisites: PSY 230 or MAT 131; PSY 235, PSY 340 or equivalent. Advanced study of theory and research in social psychology. Course will include exploration of topics such as interpersonal and groups processes, social influence on behavior, attitudes, and beliefs, methodological issues, and other topics of current interest in social psychology. Three hours of seminar per week.

PSY 550 SEMINAR IN DEVELOPMENTAL PSYCHOLOGY (3).

Prerequisites: PSY 230 or MAT 131; PSY 235; PSY 350 or equivalent. 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. Three hours of seminar per week.

PSY 560 SEMINAR IN PERSONALITY (3).

Prerequisites: PSY 230 or MAT 131; PSY 235; PSY 360 or equivalent. 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. Three hours of seminar per week.

PSY 563 SEMINAR IN PSYCHOPATHOLOGY (3).

Prerequisite: PSY 363. Intensive analysis of theory and research in psychopathology. Various orientations, such as behavioral, psychophysiological, and existential will be explored. Three hours of seminar per week.

PSY 564 ADVANCED PSYCHOTHERAPY TECHNIQUES (3).

Prerequisites: PSY 464 or PSY 563. Course will include an in-depth coverage of techniques from two or more psychotherapeutic approaches. These approaches include the psychodynamic humanistic, cognitive, and behavioral approaches. Emphasis is on concrete application of these approaches in short term counseling situations. Three hours of lecture per week.

PSY 565 PSYCHOLOGY OF CLINICAL GROUPS (3).

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 activity per week.

PSY 566 INDIVIDUAL INTELLECTUAL ASSESSMENT (3).

Prerequisites: PSY 331. 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 the tests will be provided. Two hours of lecture, two hours of activity and field work by arrangement per week.

PSY 567 INDIVIDUAL ASSESSMENT (3).

Prerequisites: PSY 563, PSY 570. 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 activity and field work by arrangement per week.

PSY 569 THERAPEUTIC COMMUNICATIONS (3). *Prerequisites: PSY 363 or PSY 563.* Development of interpersonal skills (such as empathy, interpretation, and the assessment of nonverbal behavior) necessary in a therapeutic situation which will enable individuals to communicate effectively and sensitively. Three hours of lecture per week.

PSY 570 COMMUNITY PSYCHOLOGY: CURRENT THEORY AND ISSUES (3). *Prerequisites: PSY 363 or PSY 470.* 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. Three hours of lecture per week.

PSY 571 PRACTICUM IN CLINICAL-COMMUNITY PSYCHOLOGY (3).* A case approach to issues in clinical-community psychology coordinated with supervised experience. Some of the topics covered are diagnosis, interventions, ethics, laws, and cross-cultural counseling. CR/NC grading. Three hours of seminar plus supervised field work per week.

PSY 572 SEMINAR IN INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY (3). A survey of theory, research findings and research methods in industrial/organizational psychology. Three hours of seminar per week.

PSY 597 DIRECTED READING (1-3).* *Prerequisite: Classified graduate standing.* Assignment of a reading list formulated under the supervision of the instructor.

PSY 598 DIRECTED RESEARCH (1-3).* *Prerequisite: Classified graduate standing.* Students will design and conduct research projects under the direct supervision of the instructor.

PSY 599 THESIS (1-3).* *Prerequisite: Advancement to Candidacy in the General Psychology or Clinical Options.* Thesis.

PSY 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.

*Repeatable course.



PUBLIC ADMINISTRATION

BACHELOR OF SCIENCE

Administrative Management Concentration
Criminal Justice Administration Concentration
Health Services Administration Concentration
Public Financial Management Concentration
Public Personnel Administration Concentration
Risk Management and Insurance Concentration
Urban Administration Concentration

MASTER OF PUBLIC ADMINISTRATION

MINOR

FACULTY

Ira Schoenwald, Department Chair

Jeffrey W. Smith, MPA Program Coordinator

Mary Auth, Justine Bell, Gary Colboth, David Karber, Gill Robinson, Foraker U. Smith

Margo Lopez, Department Secretary
NSM A-143, (213) 516-3444

FEATURES

Undergraduate

The bachelor of science degree program in public administration is designed to provide professional preparation for public sector managers. The program is focused to meet the needs of students who seek public employment, and for those who are currently employed and seek professional advancement. The degree program requires: 1) completion of a set of core courses common to all public administration students; 2) a concentration that focuses on a function of government (Criminal Justice Administration or Health Services Administration), or a function of management (Public Financial Management or Personnel Management); and 3) two additional courses for breadth. The bachelor of science in public administration degree is a single-subject major, which means that students are not required to complete a minor for graduation.

The **minor** in public administration is designed to provide a basic foundation in public management and to provide some specialization. The minor is especially appropriate for students who major in the social and behavioral sciences. The applied nature of the public administration minor often assists the student in gaining initial employment in the public sector. In addition, the management focus of the minor is an attractive option to students with majors in fields that lead to public sector employment, like recreation or health science.

The excellent faculty of the Department of Public Administration is comprised of a full-time faculty, who have completed doctorates from major universities, and a part-time faculty, who are practicing public managers in their areas of specialization. Several full-time faculty also have lengthy careers as public managers. The relatively small size of the faculty allows for the development of a close rapport between the students and faculty. This closeness not only improves the quality of education, but creates life-long relationships that assist students in their professional careers.

To complement the traditional classroom instruction, the Department of Public Administration sponsors a number of activities that enhances the total educational experience of students. The Department sponsors speakers and professional symposia nearly every semester. The faculty sponsors the Dominguez Public

Administration Association (DPAA), a student club open to all public administration students, and Pi Alpha Alpha, a national honor society for the most outstanding students. Students may learn of these exceptional opportunities by contacting the Department secretary.

Graduate

The Master of Public Administration (M.P.A.) program is designed to prepare students as professional managers in public service organizations. The program prepares students as public managers who also are competent in research, consulting and teaching environments. The program is based on the assumption that students should be conversant with both the theories as well as the applications of public management. The M.P.A. program is open to full-time and part-time students, immediate post-baccalaureate and public administration practitioners at all levels of government.

M.P.A. courses are offered in the evenings. Students who complete two courses per semester can finish all course requirements for the M.P.A. in two academic years. The M.P.A. at CSU Dominguez Hills was placed on the Roster of Approved Programs and is accredited by the National Association of Schools of Public Affairs/Administration (NASPAA) in the first year that NASPAA began its review of the quality of M.P.A. degree programs.

ACADEMIC ADVISEMENT

Undergraduate

One strength of the Department of Public Administration is the quality of its student advisement. The faculty seek to establish personal relationships with their student advisees. Each student is assigned a permanent advisor, depending on the student's area of interest within the field of public administration. These advisors assist students in designing a program of study to meet all graduation requirements. Advisors also serve to provide professional career guidance for the students. In addition, advisors may direct students to university resources that help students overcome obstacles to graduation. Students are strongly urged to meet with their advisors before registration each semester. Students may make appointments with an advisor by calling the Department secretary at 516-3444 or by coming to the Department Office at NSM A-143.

Graduate

All M.P.A. students receive general coursework advising from the M.P.A. program coordinator. The M.P.A. program coordinator may refer students to other faculty to provide specialized professional advising. Students should see the M.P.A. coordinator before each semester. Any questions should be directed to the M.P.A. program coordinator through the Department secretary (telephone: 516-3444).

PREPARATION

Preparation for high school students should include a solid academic program, with four years of English and mathematics, and the typical college preparatory courses in the social and natural sciences.

Students taking their first two years of study at a community college should complete, if possible, lower division general education requirements, including the appropriate courses in English and mathematics.

CAREER POSSIBILITIES

Undergraduate

The job opportunities for students in Public Administration are as diverse as the range of services provided by governments in the United States. (Fully one-sixth of the civilian workforce is employed by governments.) Students may be employed in fields as diverse as law enforcement, human services, education and transportation. Recent graduates work for the U.S. Postal Service, Los Angeles Department of Water and Power, many cities in the South Bay and the California State Lottery.

In addition to the governmental opportunities, a B.S. in Public Administration provides sound preparation for many non-profit organizations. Some private firms, like utilities and hospitals, hire significant numbers of public administration graduates.

The B.S. in public administration provides a sound basis for post-baccalaureate study. Several students have found success in major law schools while others have pursued master's and doctorate's degrees in public administration.

Graduate

The vast majority of M.P.A. students, who are employed by public agencies at the beginning of their graduate education, use the M.P.A. degree to enhance their professional advancement within their current organizations. Most students advance to rewarding upper level management positions in a variety of governmental organizations, or firms with close ties to governments, such as utilities or defense contractors.

Other students with little or no work experience, or those with no managerial experience, use the M.P.A. degree to obtain entry-level management positions. Still other students use the M.P.A. as preparation for doctoral study and careers in teaching and research. Several such students currently are working at major universities.

MAJOR REQUIREMENTS - BS (48 units)

Single field major - no minor required

Common Core Curriculum for Public Administration majors

Lower Division Requirements (6 units)

- CIS 270. Introduction to Computers & Data Processing (3)
- MAT 105. Finite Mathematics (3)

Upper Division Requirements (30 units)

- ENG 352. Writing and Speaking Skills for Management (3)+
- PUB 300. Perspectives on Public Management (3)
- PUB 301. Administrative Leadership and Behavior (3)
- PUB 302. Administration of Financial Resources (3)
- PUB 303. Public Personnel Administration (3)
- PUB 304. Administration of Public Policy (3)
- PUB 305. Quantitative Methods in Public Administration (3)
- PUB 490. Senior Seminar in Public Administration (3) or
- PUB 496. Internship Seminar and Practicum (3)+

Electives

Two additional courses in Public Administration or selected from:

- POL 310. Current Issues in American Government (3)
- POL 354. American Political Thought (3)
- SOC 315. Sociology of Work (3)
- THE 320. Speech Skills and Techniques (3)

Each student must select one of the following concentrations:

ADMINISTRATIVE MANAGEMENT CONCENTRATION (12 units)

At least three courses selected from:

- PUB 315. Labor-Management Relations in Government (3)
- PUB 324. Decision-Making in Administration (3)
- PUB 326. Intergovernmental Relations, Grants and Administration (3)

+Consult course description for prerequisite(s).

- PUB 327. Social Change and the Administrative Process (3)
- PUB 423. Administrative Law (3)
- PUB 427. Management Systems Analysis (3)
- PUB 434. Administrative Planning (3)

one additional course selected from the above list or the following (if not used as core elective):

- COM 300. Organizational Communications (3)
- COM 365. Introduction to Public Relations (3)
- PSY 372. Industrial and Organizational Psychology (3)
- PUB 313. Staffing and Performance Appraisal (3)
- PUB 314. Wage and Salary Administration (3)
- SOC 315. Sociology of Work (3)
- THE 320. Speech Skills and Techniques (3)

CRIMINAL JUSTICE ADMINISTRATION CONCENTRATION (12 units)

At least three courses selected from:

- PUB 340. Criminal Justice and the Community (3)
- PUB 341. Police Administration in America (3)
- PUB 342. Legal Foundations of Justice Administration (3)
- PUB 423. Administrative Law (3)

one additional course selected from the above list or the following:

- SOC 369. Juvenile Delinquency (3)
- SOC 364. Corrections (3)
- SOC 368. Criminology (3)
- POL 360. American Constitutional Law: Distribution of Power (3)

HEALTH SERVICES ADMINISTRATION CONCENTRATION (12 units)

- ECO 384. Economics of Health (3)
- PUB 371. Health Services Administration and Public Policy Development (3)
- PUB 372. Health Services Financial Management and Marketing Administration (3)
- PUB 373. Health Policy (3)

PUBLIC FINANCIAL MANAGEMENT CONCENTRATION (12 units)

Required courses:

- ACC 230. Financial Accounting (3)
- ACC 231. Managerial Accounting (3)
- PUB 326. Intergovernmental Relations, Grants and Administration (3)

and one course selected from:

- ECO 327. Public Finance (3)
- PUB 324. Decision-Making in Administration
- PUB 427. Management Systems Analysis (3)

PUBLIC PERSONNEL ADMINISTRATION CONCENTRATION (12 units)

Required courses:

- PUB 313. Staffing and Performance Appraisal (3)
- PUB 314. Wage and Salary Administration (3)
- PUB 315. Labor-Management Relations in Government (3)

and one course selected from the following list (if not used as core elective):

- COM 300. Organizational Communication (3)
- PUB 324. Decision-Making in Administration (3)
- PUB 423. Administrative Law (3)
- PUB 434. Administrative Planning (3)
- SOC 315. Sociology of Work (3)

RISK MANAGEMENT AND INSURANCE CONCENTRATION (12 units)

Required Courses

- PUB 375. Essentials of Risk Management (3)
- PUB 376. Property and Casualty Insurance Risks (3)
- PUB 377. Health, Life and Accident Insurance Risks (3)

and one course selected from the following list (if not used as core elective)

- PUB 372. Health Services Financial Management and Marketing Administration (3)
- PUB 373. Health Policy (3)
- PUB 314. Wage and Salary Administration (3)
- PUB 315. Labor-Management Relations in Government (3)

URBAN ADMINISTRATION CONCENTRATION (12 units)

Required Courses:

- PUB 330. Urban Administration (3)
- PUB 438. Principles and Practices of Urban Planning (3)

and two courses selected from:

- PUB 315. Labor-Management Relations in Government (3)
- PUB 324. Decision-Making in Administration (3)
- PUB 326. Intergovernmental Relations, Grants and Administration (3)
- PUB 331. Perspectives on Urban Issues (3)
- PUB 423. Administrative Law (3)
- PUB 427. Management Systems Analysis (3)

MINOR REQUIREMENTS (15 units)

Upper Division Requirements (6 units)

- PUB 300. Perspectives on Public Management (3)
- PUB 301. Administrative Leadership and Behavior (3)

Electives (9 units)

Students must complete three additional courses in Public Administration, to be chosen in consultation with an advisor. These three courses should focus on a management function of government (e.g. personnel management or financial management) or should focus on a service function of government (e.g. criminal justice administration or health services management.)

MAJOR REQUIREMENTS - MPA (32 units)

Admission Requirements

All applicants to the M.P.A. program must submit a completed application for admission to graduate standing at CSU Dominguez Hills along with transcripts of all previous college-level work in accordance with the procedures outlined in the section of this catalog dealing with admission to graduate study.

Applications may be obtained from the Office of Admissions and Records (telephone: 516-3600). Questions about the M.P.A. degree program should be addressed to the Program Coordinator, Department of Public Administration (telephone: 516-3444).

Applicants will qualify for admission to the program if they possess a bachelor's degree from an accredited institution and have a grade point average of at least 2.75 in their last 60 semester units (90 quarter units) of undergraduate coursework. (This excludes extension courses.) Applicants with grade point averages below 2.75 may under special circumstances be admitted to the program on a conditional basis provided they show evidence of

ability to complete graduate course work. Students admitted on a conditional basis may make no grade below "B" in their first 12 semester units of M.P.A. coursework or they will be disqualified from the program.

Program Requirements

In addition to the courses:

- 1) A GPA of 3.0 for all coursework taken for the degree;
- 2) Satisfactory performance on a written comprehensive examination;
- 3) Fulfillment of the Graduate Writing Proficiency requirement.

Degree Requirements

Prerequisites

An undergraduate statistics course is a program requirement and should be met before admission or in the first semester in residence.

Satisfaction of Graduate Writing Competency requirement should also be met in the first semester in residence and must be completed before enrollment in more than 12 units.

Students who have no prior public administration related course work or who have had less than two years public agency administrative experience may be required to enroll in three of the following undergraduate courses:

- PUB 300. Perspectives in Public Management (3)
- PUB 301. Administrative Leadership and Behavior (3)
- PUB 302. Administration of Financial Resources (3)
- PUB 303. Public Personnel Administration (3)
- PUB 304. Administration of Public Policy (3)
- MGT 310. Management Theory(3)

(With departmental approval, prerequisite courses may be taken concurrently with the graduate curriculum during the first semester of enrollment. Prerequisite courses carry no graduate credit.)

Core Curriculum (28 units)

Core courses are designed to give a thorough background in each of the major areas of Public Administration.

- PUB 500. Environment and Practice of Public Administration (4)
- PUB 501. Principles of Public Management (4)
- PUB 501. Principles of Public Management (4)
- PUB 502. Organization Theory and Behavior (4)
- PUB 504. Quantitative Methods in Public Administration (4)+
- PUB 506. Administration and Public Policy Analysis (4)
- PUB 508. Seminar: Public Personnel and Labor Relations (4)
- PUB 510. Seminar: Public Financial Management (4)

Electives (8 units)

Students desiring specialized focus in health care administration, personnel administration, criminal justice administration or other specialized study may use electives to develop individual programs of study.

Allowable 400-level electives

- PUB 423. Administrative Law (3)
- PUB 434. Administrative Planning (3)
- PUB 438. Principles and Practice of Urban Planning (3)

Students electing to take a 400 level courses may take PUB 594 - Independent Study, for 1 unit concurrently to make a total of 4 units.

Graduate Electives

- PUB 521. Seminar: Individual, Group Behavior and Organization Design (4)
- PUB 525. Seminar: Human Resources Management (4)
- PUB 531. Seminar: Urban Administration (4)
- PUB 541. Seminar: Criminal Justice Administration (4)
- PUB 561. Health Care Administration (4)+
- PUB 563. Health Care Finance and Marketing (4)+
- PUB 594. Independent Study (1-4)+
- PUB 595. Special Topics in Public Administration (4)+
- PUB 596. Internship Seminar and Practicum (4)+
- PUB 599. Honors Thesis (4)+

Students are required to complete a total of 32 units (24 core course units and 8 units of electives) and the comprehensive examination or an Honors Thesis in lieu of the comprehensive examination (with departmental approval).

COURSE OFFERINGS IN PUBLIC ADMINISTRATION

PUB 120 BASIC COURSE IN POLICE ADMINISTRATION (16).

Prerequisites: Admission to the university and employment by the Los Angeles Police department and assignment to the Academy or a Police Officer Recruit. This course deals with law and law enforcement, ethics, communications and writing, investigation techniques, and related criminal justice topics. [Exceeds the requirements for the basic course for certification by the Commission on Peace Officer Standards and Training(POST).] Sixteen hours of lecture per week.

PUB 125 DETECTIVE SUPERVISORY ADMINISTRATION (4).

Prerequisites: PUB 120. The role of detective supervision; crisis negotiation; detective personnel practices; leadership, warrants, audits and controls; medical programs and general topics of planning, organization and administration of detective operations. Four hours of lecture per week.

PUB 126 BASIC COURSE FOR RESERVE OFFICERS (16).

This course is the same as PUB 120 but is to be used by Reserve Officers.

PUB 128 CIVILIAN SUPERVISION COURSE (2). *Prerequisites:*

PUB 120. Fundamentals of supervision with topics that include: Principles of motivation, leadership, personnel practices and general administrative responsibilities of civilian supervisors in Police Administration. Two hours of lecture per week.

PUB 132 NETWORK COMMUNICATIONS SYSTEMS (1). *Pre-*

requisites: PUB 120. Operation and administration of police network communications systems. Topics include: the California Law Enforcement Telecommunications System and its participating agencies, automated warrants and indexing and security systems. One hour per week.

PUB 134 DETECTIVE HOMICIDE INVESTIGATIONS (2). *Pre-*

requisites: PUB 120. Basic information on homicide investigations. Legal issues of evidence including law about weapons, blood, and dental evidence, statutory rules, and medical treatment are presented. Rules of homicide investigation and principles of search, interrogation and evidence are reviewed. Two hours of lecture per week.

PUB 136 JUVENILE PROCEDURES ADMINISTRATION (1).

Prerequisites: PUB 120. The legal environment of juvenile law enforcement and relevant judicial agencies. Other topics include the role of the probation departments, district attorney's offices, departments of public social services and issues of gangs, juvenile narcotics and the juvenile justice center. One hour of lecture per week.

PUB 137 ACCIDENT INVESTIGATIONS (2). *Prerequisites:* PUB

120. Basic information regarding traffic accident investigation procedures required by section 40600 C.V.C. (California Vehicle Code) and other topics such as scientific evidence, and hazardous materials. Two hours of lecture per week.

PUB 138 ACCIDENT INVESTIGATIONS-INTERMEDIATE (2). *Prerequisites:* PUB 137. Techniques and laws regarding accident investigations officers in the art of accident investigation. This course will cover specific accident investigation techniques in more detail such as: advanced diagramming, materials, field laboratory evidence and administrative procedures. The basic Accident Investigation Course (PUB 137) is a prerequisite. Two hours of lecture per week.

PUB 139 ACCIDENT INVESTIGATIONS-ADVANCED (2). *Prerequisites:* PUB 137 and PUB 138. Techniques and laws to perform a preliminary reconstruction of a traffic accident. Topics include: vector diagrams, basic anatomy, basic time/motion studies, reconstruction analysis including computer aided reconstruction and administrative procedures relation to these techniques. Two hours of lecture per week.

PUB 140 DRUG ABUSE RESISTANCE EDUCATION (2). *Prerequisites:* PUB 120. Techniques and curriculum of the Drug Abuse Resistance Education project. The topics include learning techniques of classroom presentation, public speaking and teaching methodology. The D.A.R.E curriculum and lesson plans will be presented along with mentoring techniques. In addition, information on stages of adolescent chemical dependency. Two hours of lecture per week.

PUB 142 VICE INVESTIGATION, CONTROL AND MANAGEMENT (3). *Prerequisites:* PUB 120. Review of organization and laws affecting vice control programs; types of evidence and laws of pornography, lewd conduct, bookmaking, alcohol abuse, gambling, piracy, and relations with other law enforcement agencies as it relates to enforcement. Three hours of lecture per week.

PUB 144 CRIME PREVENTION (1). *Prerequisites:* PUB 120. Business crime prevention programs, resources for funding crime prevention programs, programs to reduce drug abuse, forgery, robbery, child abuse, juvenile delinquency, auto theft and other crimes with coordination of issues of environmental design, and other techniques. One hour of lecture per week.

PUB 146 BASIC NARCOTICS INVESTIGATIONS (1). *Prerequisites:* PUB 120. The fundamentals of narcotics investigations and administration. Topics include: functions and duties and investigative resources of the narcotics investigations and procedures. One hour of lecture per week.

Upper Division

PUB 300 PERSPECTIVES ON PUBLIC MANAGEMENT (3). Management theory and philosophy; 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. Three hours of lecture per week.

PUB 301 ADMINISTRATIVE LEADERSHIP AND BEHAVIOR (3). Functions and responsibilities of the manager; motivation and leadership; ethics; interpersonal and group relationships; identification and analysis of political and organizational power; application of appropriate models of organization, leadership, and decision-making; organizational stresses, limitations, and change. Three hours of lecture per week.

PUB 302 ADMINISTRATION OF FINANCIAL RESOURCES (3). 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. Three hours of lecture per week.

PUB 303 PUBLIC PERSONNEL ADMINISTRATION (3). 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. Three hours of lecture per week.

PUB 304 ADMINISTRATION OF PUBLIC POLICY (3). Policy decisions and their implementation and evaluation, relationship of the branches of government and characteristics of bureaucracy. Three hours of lecture per week.

PUB 305 QUANTITATIVE METHODS IN PUBLIC ADMINISTRATION (3). *Prerequisite:* MAT 105. Role and application of quantitative methodology in public management; review of mathematical and statistical functions; basic concepts of social science research and rational decision-making; decision theory, control theory, models and modeling; introduction to the uses and application of computer technology. Three hours of lecture per week.

PUB 313 STAFFING AND PERFORMANCE APPRAISAL (3). *Prerequisite:* PUB 303. Analyses of concepts, approaches and techniques used to develop, administer and integrate effective recruitment, testing, selection, affirmative action and performance appraisal programs in public organizations. Includes an examination of practices, legal requirements and guidelines for these specialized areas of personnel management. Three hours of lecture per week.

PUB 314 WAGE AND SALARY ADMINISTRATION (3). *Prerequisite:* PUB 303. Techniques and practice of designing and administering a wage and salary program for a government agency. Emphasis will be upon the construction of an integrated salary schedule. Three hours of lecture per week.

PUB 315 LABOR-MANAGEMENT RELATIONS IN GOVERNMENT (3). 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. Three hours of lecture per week.

PUB 324 DECISION-MAKING IN ADMINISTRATION (3). *Prerequisite:* High School Algebra is recommended. Quantitative decision theory approaches to public decisions, operations research tools for public sector applications, to include scheduling, economic optimization, problem identification and solution. Three hours of lecture per week.

PUB 326 INTERGOVERNMENTAL RELATIONS, GRANTS AND ADMINISTRATION (3). Administrative concerns with relationships among federal, state and local governments in the United States; including developments in governmental administrative reorganization, grants-in-aid and administrations, grantsmanship application strategies, resource development and evaluation; expanding areas of intergovernmental cooperation in functional areas of administration. Three hours of lecture per week.

PUB 327 SOCIAL CHANGE AND THE ADMINISTRATIVE PROCESS (3). 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. Three hours of lecture per week.

PUB 330 URBAN ADMINISTRATION (3). 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. Three hours of lecture per week.

PUB 331 PERSPECTIVES ON URBAN ISSUES (3). Political and environmental conditions in contemporary urban America with special reference to their influence on administrative decisions and capabilities; discussion of specific issues of current significance. Three hours of lecture per week.

PUB 340 CRIMINAL JUSTICE AND THE COMMUNITY (3). Political, cultural, and social environment of criminal justice administration; police-community relations; accountability of criminal justice agencies to the political and legal order. Three hours of lecture per week.

PUB 341 POLICE ADMINISTRATION IN AMERICA (3). 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. Three hours of lecture per week.

PUB 342 LEGAL FOUNDATION OF JUSTICE ADMINISTRATION (3). Local, state, and federal judicial systems; constitutional, judicial and legislative influences on the administration of justice. Three hours of lecture per week.

PUB 343 ADVANCED OFFICER PROGRAM (1). *Prerequisites:* PUB 120. New laws, issues, priorities and techniques in police enforcement. Topics covered new developments in victimization and reactions, budgeting problem assessment, mental illness, domestic violence overview, sexual harassment, field safety tactics and new administrative procedures for the advanced officer. One hour of lecture per week.

PUB 344 DETECTIVE INVESTIGATIONS AND ADMINISTRATION (4). *Prerequisites:* PUB 120. The basic fundamentals of investigation and administration of the police detective. Topics include: administrative organization, criminal investigations, evidence, sources of information, electronic surveillance equipment, polygraph and legal aspects of search warrants, affidavits and specialized searches; juvenile procedures; crime laboratory procedures; medical treatment; vice, criminal law and safety issues in detection. Four hours of lecture per week.

PUB 346 SUPERVISION IN POLICE ADMINISTRATION (4). *Prerequisites:* PUB 120. Fundamentals of supervision in police administration. Topics include the role of the supervisor, supervision in specialized tasks such as emergencies, Cal OSHA and general topics of employees motivation, discipline, performance appraisals, affirmative action, labor and community relations, field training operations, civil and criminal actions, medical issues and other topics. Four hours of lecture per week.

PUB 348 STAFF OFFICER EXECUTIVE SEMINAR (4). *Prerequisites:* PUB 120. Current trends that will affect future police operations. Provides command officers with reasonable assumptions for developing long range goals. Topics include: contemporary issues of budget operations, employee relations and personnel policy as well as issues of community concerns. One hour of lecture per week.

PUB 371 HEALTH SERVICES ADMINISTRATION AND PUBLIC POLICY DEVELOPMENT (3). Basic administrative practices; concepts and theory of administration; role and responsibilities of management in planning, organizing, directing and controlling a health services program; examination of current policy issues; study of public policy formulation process; politics as a force of change. Three hours of lecture per week.

PUB 372 HEALTH SERVICES FINANCIAL MANAGEMENT AND MARKETING ADMINISTRATION (3). Budgeting and financial planning, allocation of costs, projecting demand for services, studies of market preferences, demographic analysis of utilization patterns, case studies of successful and unsuccessful financial and marketing plans. Three hours of lecture per week.

PUB 373 HEALTH POLICY (3). *Prerequisite:* PUB 371. 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. Three hours of lecture per week.

PUB 375 ESSENTIALS OF RISK MANAGEMENT (3) *Prerequisite:* PUB 305 or its equivalent; PUB 324 is recommended. Course provides opportunity to demonstrate ability to identify and analyze insurance risks and then develop effective solutions to reduce, transfer, assume or avoid that risk. Includes use of probabilities and decision-making models.

PUB 376 PROPERTY AND CASUALTY INSURANCE RISKS (3) *Prerequisites:* PUB 375, PUB 305 or its equivalent; PUB 324 is recommended. Develops ability in student to identify and isolate property and casualty risks and specialized skills to design insurance coverage appropriate to protect organizations against those risks. Includes use of Basic Statistical Principles.

PUB 377 HEALTH, ACCIDENT AND LIFE INSURANCE RISKS (3) *Prerequisites:* PUB 305 or its equivalent, PUB 376, PUB 324 is recommended. Development of understanding of health, life and accident insurance and establishes ability to identify and implement mechanisms whereby exposure to such losses can be controlled. Includes use of basic statistical models.

PUB 423 ADMINISTRATIVE LAW (3). 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. Three hours of lecture per week.

PUB 427 MANAGEMENT SYSTEMS ANALYSIS (3). *Prerequisite:* Senior Status. 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. Three hours of lecture per week.

PUB 434 ADMINISTRATIVE PLANNING (3). A review of the techniques of administrative planning to include normative forecasting, planning and policy formation. The future environment of government services to include demands and resources will be explored within the framework of systems analysis and policy sciences. Three hours of lecture per week.

PUB 438 PRINCIPLES AND PRACTICE OF URBAN PLANNING (3). *Prerequisite:* Senior status. Theories of urban planning, administration of the planning process, techniques of developing an urban general plan. Three hours of lecture per week.

PUB 490 SENIOR SEMINAR IN PUBLIC ADMINISTRATION (3). *Prerequisite:* Senior status. Integrative course emphasizing application of administrative concepts and principles through use of case study analyses and simulation. Based upon student interest, course may be structured to address specific concentration areas. Three hours of seminar per week.

PUB 494 INDEPENDENT STUDY (2, 3). *Prerequisite:* Consent of department chair. Independent investigation of a research problem or directed readings in a selected area of public administration.

PUB 495 SPECIAL TOPICS IN PUBLIC ADMINISTRATION (3). *Prerequisite:* Consent of instructor. An intensive study of an issue, concept or administrative technique that is of interest to both students and faculty of public administration. Three hours of lecture per week.

PUB 496 INTERNSHIP SEMINAR AND PRACTICUM (2, 3). *Prerequisite:* Consent of department chair. Supervised internship in a public agency. A written project related to the internship experience is required. CR/NC grading.

Graduate

Graduate standing in the MPA Program or consent of the graduate Program Coordinator is prerequisite to enrollment in graduate (500 level) courses.

PUB 500 ENVIRONMENT AND PRACTICE OF PUBLIC ADMINISTRATION (4). History and development of the field of public administration, and the context of operations and the functions of management. The practice of management will focus on the political environment, management theory, planning, organizational structure, resources, decision-making and policy analysis. Four hours of lecture per week.

PUB 501 PRINCIPLES OF PUBLIC MANAGEMENT (4). This course is designed to provide an overview of the functioning and skill requirements of the contemporary public sector manager. The focus of the course will be on the management of programs and people in a public sector environment. Emphasis will be given to the management responsibilities of planning, organizing and controlling. Four hours of seminar per week.

PUB 502 ORGANIZATION THEORY AND BEHAVIOR (4). *Prerequisite: PUB 500 and PUB 501 are recommended.* Historical development of organization theory and organization design concepts through case study analysis of contemporary complex organizational structures. The course will include issues in managing complex organizations in the public sector, dynamics of groups, concepts of organizational power, authority, conflict and change. Four hours of lecture per week.

PUB 504 QUANTITATIVE METHODS IN PUBLIC ADMINISTRATION (4). *Prerequisite: PUB 305 or undergraduate statistics is required; PUB 500 is recommended.* Quantitative methods used in decision-making with special emphasis on the public sector. Four hours of lecture per week.

PUB 506 ADMINISTRATION AND PUBLIC POLICY ANALYSIS (4). *Prerequisite: PUB 500.* Application of analytical tools to the solution of public management problems, introduction to general models of policy analysis, integration of solutions into administrative processes in government; policy studies cases. Four hours of lecture per week.

PUB 508 SEMINAR: PUBLIC PERSONNEL AND LABOR RELATIONS (4). *Prerequisite: PUB 500.* Managing the human resources of a public agency with emphasis on selected activities of recruiting, staffing, evaluating, compensating, motivating and training the work force. Procedures and legal requirements for collective bargaining, affirmative action, and equal opportunity will be explored. Four hours of seminar per week.

PUB 510 SEMINAR: PUBLIC FINANCIAL MANAGEMENT (4). *Prerequisite: PUB 500.* Examination of methods, processes and problems in the administration and budgeting of public revenues, revenue generation, forecasting, cost control, financial management cases. Four hours of seminar per week.

PUB 521 SEMINAR: INDIVIDUAL, GROUP BEHAVIOR AND ORGANIZATION DESIGN (4). *Prerequisite: Seminar PUB 502 is required; PUB 500 is recommended.* Development of skills in analyzing administration behavior problems using the case study method; issues in motivation, performance appraisal, leadership conflict management and change; evaluation and intervention in public management. Four hours of seminar per week.

PUB 525 SEMINAR: HUMAN RESOURCES MANAGEMENT (4). *Prerequisite: PUB 508.* An examination and in-depth review of selected topics in managing the human resources of an organization such as worker's compensation, risk management, performance appraisal, classification, benefit packages, cut-back management, and pension systems. Four hours of seminar per week.

PUB 531 SEMINAR: URBAN ADMINISTRATION (4). *Prerequisite: PUB 500.* Selected topics in urban administration; analysis of methods, processes, and problems in the administration of urban public services; cases. Four hours of seminar per week.

PUB 541 SEMINAR: CRIMINAL JUSTICE ADMINISTRATION (4). *Prerequisite: PUB 500.* 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. Four hours of seminar per week.

PUB 561 HEALTH CARE ADMINISTRATION (4). *Prerequisite: PUB 500 and HEA 200 or equivalent academic and/or work experience.* Organizational, political, economic aspects of health administration; administrative characteristics of hospitals, health organizations; management problems; state, local, national policy development; health insurance financing; prevention-wellness concepts; performance-productivity-survival. Four hours of lecture per week.

PUB 563 HEALTH CARE FINANCE AND MARKETING (4). *Prerequisite: PUB 500 and HEA 200 or equivalent academic and/or work experience.* Organizational aspects of financial management and marketing health service organizations. Includes: program budgeting, development; preparation accrual, cash flow, capital expense, cash flow reports, budget and program planning and implementation; development market analyses, segmentation, sales practices; health insurance role development. Four hours of lecture per week.

PUB 594 INDEPENDENT STUDY (1-4). *Prerequisite: Consent of department chair.* Independent investigation of a research problem or directed readings in a selected area of public administration. CR/NC grading.

PUB 595 SPECIAL TOPICS IN PUBLIC ADMINISTRATION (4). *Prerequisite: Consent of instructor.* An intensive study of a selected issue in contemporary public management. Four hours of seminar per week. CR/NC grading.

PUB 596 INTERNSHIP SEMINAR AND PRACTICUM (4). *Prerequisite: Consent of department chair.* 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.

PUB 599 HONORS THESIS (4). *Prerequisites: G.P.A. greater than 3.80 and consent of department chair.* Thesis relating to public administration. CR/NC grading.

PUB 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.



QUALITY ASSURANCE

MASTER OF SCIENCE

PROGRAM DESCRIPTION

Quality Assurance is an interdisciplinary profession practiced by management personnel who are responsible for planning and assuring the quality of products and services. The career opportunities in this rapidly growing field are excellent as the demand for graduate quality assurance professionals continues to increase. Quality Assurance professionals are generally members of a senior corporate team composed of individuals representing functions such as product management, design engineering, manufacturing engineering, and materials management.

The MSQA Program is strongly supported by local members of the American Society for Quality Control. The motivation to initiate the program and the curriculum employed was primarily the result of efforts of dedicated professionals from the quality field.

FEATURES

The master of science in Quality Assurance (MSQA) is designed to prepare professionals in quality, engineering, science, and management for career advancement. In order to help manage and lead today's company toward the objective of "total quality", an interdisciplinary approach is taken to blend study in management, quality concepts and industrial statistics.

The curriculum is designed to meet the needs and interests of the working professional. The program of studies will provide theoretical knowledge and analytical techniques, as well as management and communication skills that will enable the student to function in an active, decision-making capacity in the implementation of assurance policies and practices. A unique feature of the MSQA program is that it gives students the ability to customize their program of study to include their areas of interest. This objective is accomplished through the use of electives, a directed study course, and completion of a graduate project. During the course of the program the student will acquire knowledge and skills in the following areas:

1. Managing a quality organization
2. Planning and implementing a quality assurance program
3. Troubleshooting and solving quality problems
4. Incorporating quality concepts and human factors techniques in the design of manufacturing operations
5. Performing vendor surveys and assessing vendor quality
6. Developing and analyzing statistical process control charts
7. Developing and analyzing acceptance sampling plans
8. Design of experiments (analysis of variance techniques)
9. Design and engineering of reliable products and processes
10. Performing process capability studies
11. Performing quality cost analyses
12. Understanding and working with human behavior in the organization
13. Performing reliability, maintainability, and safety systems reviews
14. Performing quality system audits
15. Performing statistical studies and analyzing statistical reports

The MSQA Program is, in a broad sense, a combination of ingredients that would otherwise be found in the MBA, industrial engineering, and industrial statistics programs. This program should appeal to professionals who are seeking a unique and satisfying interdisciplinary experience.

Classes meet in locations throughout Southern California. For further information, contact the Office of the Dean of Science, Mathematics and Technology - NSM-A115, (213) 516-3373.

MAJOR REQUIREMENTS - MS

Admission Requirements

Applicants should submit the standard University application for admission with graduate standing, and official transcripts of all previous college work in accordance with the procedures outlined in the admission section of this catalog.

To be admitted into the Master's Program in Quality Assurance, students must meet the following requirements:

1. A baccalaureate degree in an engineering discipline, or engineering-related field from an accredited institution.*
2. The baccalaureate degree should have included the following:

	semester units
Calculus (integral and differential)	6
Chemistry (general)	3
Physics	3
Mathematical Statistics & Theories of Probability (upper division)	6
Principles of computer technology	3
3. A grade point average of at least 2.5 in the last 60 semester units attempted.
4. Good standing at the last institution attended.
5. Meet all other university admission requirements.

* Individuals from other undergraduate disciplines who demonstrate exceptional promise may be admitted to the program, pending completion of additional undergraduate prerequisite coursework or other demonstrations of competence as determined by the Quality Assurance Academic Program Committee. All special admissions are subject to approval by the Quality Assurance Academic Program Committee.

Degree Requirements

1. Complete 33 semester units of approved graduate work
2. Complete at least 21 semester units in residence
3. Successfully complete the major courses listed below
4. Complete all course work with a grade point average of at least 3.0 (B)
5. Complete a culminating project
6. Successfully complete the Graduate Writing Competency requirement
7. Complete all other requirements for the degree as described in the current university catalog

Required Core Courses (30 units)

- QAS 510. Advanced Probability and Statistics (3)
- QAS 511. Quality Project Management and Planning (3)
- QAS 512. Systems Reliability (3)
- QAS 513. Statistical Quality Control and Sampling (3)
- QAS 514. Advanced Experimental Design (3)
- QAS 515. Human Factors in Quality Assurance (3)
- QAS 516. Measurement and Testing Techniques (3)
- QAS 518. Quality Administration and Productivity (3)
- QAS 595. Special Topics by Directed Study: Quality Assurance Applications (3)

Electives (3 units)

- QAS 599. Project (3)

Student selects one of the following courses with advisor approval*

- QAS 523. Software Reliability (3)
- QAS 524. Quality Assurance for Automated Systems(3)

or other electives selected, with advisor approval from relevant campus graduate programs (3).

*These electives are designed to provide the student with the opportunity for additional study beyond the core requirements in either advanced quality assurance technology or management.

Final Project (3 units)

- QAS 599. Project (3)

COURSE OFFERINGS IN QUALITY ASSURANCE

Graduate

QAS 510 ADVANCED PROBABILITY AND STATISTICS (3).

Prerequisites: undergraduate calculus, Probability and statistics. A study of measures of central tendency and dispersion, important discrete and continuous probability distributions, sampling theory, hypothesis testing and estimation. Linear regression and correlation will also be covered. The uses of statistics in testing, inspection, and production will be identified.

QAS 511 QUALITY PROJECT MANAGEMENT (3). *Prerequisites:* QAS 510. In-depth analysis of the objectives scope, functions and responsibilities of the quality organization.

QAS 512 SYSTEMS RELIABILITY (3). A study of the complete scope of reliability engineering from basic principles, concepts and definition through mathematical models, apportionment, design review, testing, data functions, vendor control and corrective action.

QAS 513 STATISTICAL QUALITY CONTROL AND SAMPLING (3).

Prerequisites: QAS 510 The application of advanced statistical methodologies to the analysis and solution of quality and management problems, including probability theory, control charts, sampling, regression analysis and the design of experiments. Focus on statistical process control and related quality technologies.

QAS 514 ADVANCED EXPERIMENTAL DESIGN (3).

Prerequisites: QAS 510. Analysis of statistical experimental design strategies. Planning of experiments for the best strategy and objectives.

QAS 515 HUMAN FACTORS IN QUALITY ASSURANCE (3).

A comprehensive survey of human factors engineering theory, research and applications which are of particular relevance to quality assurance. A systems framework will be utilized, emphasizing feedback and interrelations among system components, including the human operator. Emphasis will be placed on operator constraints in the design of work processes, workplaces and instrumentation.

QAS 516 MEASUREMENT AND TESTING TECHNIQUES (3).

Prerequisites: QAS 510 or consent of instructor. In-depth discussion of equipment, principles and techniques of measurement assurance.

QAS 518 QUALITY ADMINISTRATION AND PRODUCTIVITY (3).

Prerequisite: QAS 511. An in-depth examination of current theory and techniques in human resource management as it applies to quality assurance. Emphasis is placed on design and performance aspects of a system-wide quality assurance function. Topics include descriptions of human resource management techniques as well as procedures for evaluating their overall effectiveness and contribution to production quality. Issues and techniques pertaining to effective recruitment, selection, training, motivation and performance evaluation of quality assurance personnel will be consideration.

QAS 521 PROCESS CONTROL AND CAPABILITY (3).

Prerequisites: QAS 513 and QAS 514 detailed study of procedures and methods for performing machine and process capability studies, trouble shooting production and test problems, and maintaining continuous production and process evaluation in manufacturing operations.

QAS 522 APPLIED SYSTEMS RELIABILITY, MAINTAINABILITY, AND SAFETY (3). *Prerequisites:* QAS 512. Analysis of appropriate probabilistic models for system reliability, including the exponential, Weibull, normal and log-normal distributions; life prediction techniques, reliability test program plans, failure modes and effects analysis, Markov models, maintainability concepts, including trade-off between life cycle.

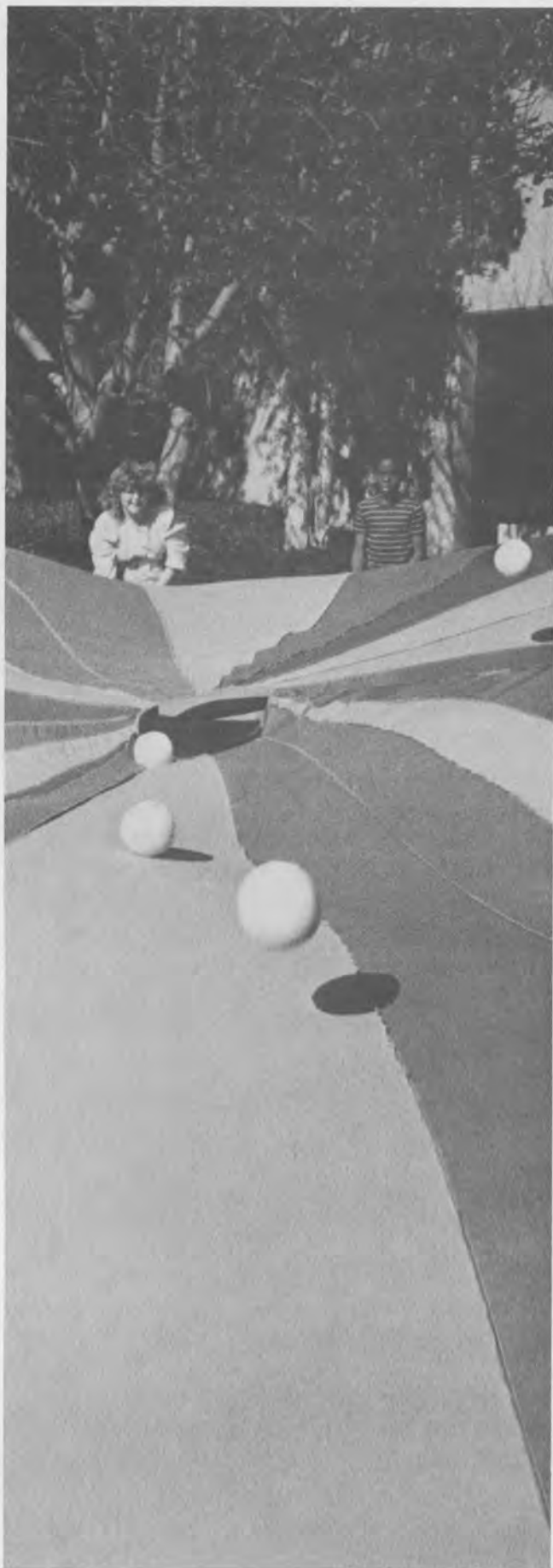
QAS 523 SOFTWARE RELIABILITY (3). *Prerequisites:* QAS 512. A study of the theory and applications of reliability concepts as they relate to software design and implementation.

QAS 524 QUALITY ASSURANCE FOR AUTOMATED SYSTEMS (3). *Prerequisites:* QAS 512, QAS 513, QAS 514, and QAS 516. Examination of quality issues as they relate to automated production systems such as robots, flexible manufacturing systems (FMS), automated storage and retrieval systems (AS/RS), automated guided vehicles (AGV), hard automation, and computer integrated manufacturing.

QAS 595 SPECIAL TOPICS BY DIRECTED STUDY: QUALITY ASSURANCE APPLICATIONS (3). *Prerequisites:* Completion of 18 units toward degree. A course of study designed cooperatively by student and instructor, and approved by the Regional Program Director, in which students apply quality assurance theory and principles to a particular occupational setting relevant to their professional interests and aspirations. Examples include the following: food manufacturing and processing, chemical and pharmaceutical products, aerospace industries, consumer-commercial products, service industries, and software industries. Additional topics can be developed to meet student needs.

QAS 599 PROJECT (3). *Prerequisites:* Completion of all other coursework in the degree program. The goal of all students enrolled in this culminating experience course is to complete a project under the guidance of an assigned instructor. It is the culminating learning experience of the program, and includes a significant written report. To meet the standards established by the faculty, the project must demonstrate a rigorous scientific approach to the quality profession.

QAS 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who may have other requirements remaining for completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program director required.



RECREATION

BACHELOR OF ARTS

MINOR

FACULTY

Mary Lou Cappel, Recreation Coordinator
NSM D-331, (213) 516-3415

Jean Riggs, Department Secretary
(Physical Education, Recreation and Dance)
FH C-003, (213) 516-3761

PROGRAM DESCRIPTION

The area of recreation is affiliated with the Department of Physical Education, Recreation and Dance. Recreation is a discipline concerned with the study and research of the public, private and commercial service systems that provide opportunities for meaningful leisure activity.

FEATURES

Recreation majors and minors enjoy rich opportunities for a wide variety of direct leadership and supervisory field experiences in established recreation, park and leisure agencies. Students serve internships in recreation and park departments, child care centers, corporations, youth centers, YM/WCAs, convalescent homes, rehabilitation centers, private and state hospitals, and with private therapeutic recreation agencies.

ACADEMIC ADVISEMENT

To obtain an advisor for Recreation, contact the Physical Education Recreation and Dance Department secretary. Transfer students from community colleges are advised to bring a copy of their transcript to their first advisement meeting.

It is important that recreation majors and minors seek advisement each semester term to ensure that academic goals are achieved in a timely manner.

PREPARATION

If high school students are interested in pursuing a career in recreation, the department suggests taking four years of physical education; two years of a foreign language; and classes in speech, arts and crafts, music, accounting, biology, computer science and city government. In addition, the student might consider working part-time during the summer at a summer camp, health club, senior citizen agency, park, playground or hospital.

While studying at a community college, students should take courses in lower division core requirements for the recreation major. These include first aid and CPR; Foundations in Recreation; Introduction to Therapeutic Recreation and Sign Language. Also, if students plan to work while in college, employment in a recreation or leisure agency would be beneficial.

HELPFUL HINTS

1. Seek advisement regularly.
2. Keep the advisement file up-to-date. Students also should maintain an academic file.
3. Most major requirements are offered only once a year. Students must be alert to the semester in which they are offered.
4. Students should begin by taking the lowest numbered courses first.
5. Students should consider minoring in an area that corresponds to their career goal. For example, a minor in psychology is advisable if the student plans to work in a

psychiatric facility; sociology for municipal recreation; communications, for commercial recreation.

6. Maintain a model level of fitness and wellness.
7. Join the CSU Dominguez Hills Recreation Club.
8. Join the California Parks and Recreation Society.
9. Attend professional conferences regularly.
10. Check the bulletin boards located in the recreation faculty offices in NSM D-331 for important information related to your educational goal.

CAREER POSSIBILITIES

The recreation major prepares students to work as leaders who can manage a wide range of recreation and leisure agencies. The interdisciplinary nature of the curriculum leads to recreation career opportunities in parks, playgrounds, child care centers, youth clubs, health clubs, YM/WCAs, corporations, and commercial leisure ventures. The commercial recreation ventures such as hotels, resorts and tourist agencies is a growing area for employment opportunities.

The recreation minor enables students to concentrate their coursework in either commercial or therapeutic recreation.

PROFESSIONAL ORGANIZATIONS

Membership is encouraged in the following professional organizations:

- CSU Dominguez Hills Recreation Club
- California Parks and Recreation Society
- National Recreation and Park Association

MAJOR REQUIREMENTS - BA (39 units)

Lower Division Requirements (15 units)

- REC 120. Foundations of Recreation (3)
- REC 124. Leadership in Recreation (3)
- REC 220. Recreation Group Activities (3)
- REC 225. Introduction to Therapeutic Recreation (3)
- PED 218. First Aid and Cardiopulmonary Resuscitation (3)

Upper Division Requirements (24 units)

- REC 331. Programming in Recreation (3)
- REC 334. Leisure Education and Gerontology (3)
- REC 335. Management of Recreation and Park Areas/Programs (3)
- REC 440. Legal and Financial Aspects of Recreation (3)
- REC 458. Seminar in Administration of Leisure Services (3)
- REC 493. Directed Field Experience in Recreation (3)

Select one from the following:

- REC 126. Introduction to Sign Language (3)
- REC 438. Commercial Recreation (3)+
- REC 445. Recreation Therapy Programming Procedures (3)+
- REC 495. Special Topics in Recreation (3)

Select one from the following:

- ART 301. Arts and Crafts for the Non-Major (3)
- BIO 250. Elements of Human Anatomy and Physiology (3)
- BIO 386. Human Aging (3)+
- CIS 270. Introduction to Computers and Data Processing (3)+
- COM 365. Introduction to Public Relations (3)
- ENG 352. Writing and Speaking Skills for Management (3)+

- PED 244. Analysis of Dance (2)
- PSY 340. Social Psychology: Psychological Perspective (3)
- PSY 350. Developmental Psychology (3)
- PUB 301. Administrative Leadership and Behavior (3)
- PUB 302. Administration of Financial Resources (3)
- SOC 316. Sociology of Adult Life and Aging (3)+
- SOC 333. Sociology of Leisure and Sport (3)
- SOC 340. Social Psychology: Sociological Perspective (3)
- SOC 365. Deviant Behavior (3)
- SOC 369. Juvenile Delinquency (3)

MINOR REQUIREMENTS (15 units)

Lower Division Requirements (6 units)

Select two of the following courses in consultation with an advisor:

- REC 120. Foundations of Recreation (3)
- REC 124. Leadership in Recreation (3)
- REC 225. Introduction to Therapeutic Recreation (3)

Upper Division Requirements (9 units)

Select three from the following in consultation with an advisor:

- REC 331. Programming in Recreation (3)
- REC 334. Leisure Education and Gerontology (3)
- REC 335. Management of Recreation Park Areas/Programs (3)
- REC 438. Commercial Recreation (3)+
- REC 440. Legal and Financial Aspects of Recreation (3)
- REC 458. Seminar in Administration of Leisure Services (3)
- REC 493. Directed Field Experience in Recreation (3)

COURSE OFFERINGS IN RECREATION

Lower Division

REC 100 DIMENSIONS OF LEISURE (2). Investigation of leisure, recreation, and personal and social adjustments to leisure. Examination of use and misuse of leisure. Students develop personal philosophy of recreation and increase awareness of impact of leisure on American society. Two hours of lecture.

REC 120 FOUNDATIONS OF RECREATION (3). History and philosophy of recreation and insights of the recreation profession. Discussion of goals and ideologies of current trends in leisure. Overview of management principles. Three hours of lecture.

REC 124 LEADERSHIP IN RECREATION (3). Analysis of basic knowledge and skills required for recreation leaders, in the camping parks and community recreation settings. Emphasis on individual leadership methods, styles, and motivation. Three hours of lecture.

REC 126 INTRODUCTION TO SIGN LANGUAGE (3). Introduction to basic sign language structure with emphasis on acquisition of receptive and expressive finger spelling and basic work-survival signs. Course meets related coursework requirements for recreation therapy certification. Three hours of lecture.

REC 220 RECREATION GROUP ACTIVITIES (3). Study of leadership theories as they relate to effectively managing recreation group activities. Provisions made for practical experience in organizing and leading art, crafts, dance, dramatics, fitness, group games, high-adventure and rhythmic activities; social recreation and special events. Two hours of lecture and two hours of activity.

REC 225 INTRODUCTION TO THERAPEUTIC RECREATION (3). Survey course which examines recreation needs of special populations such as the mentally, physically, sensory or emotionally impaired. Required of prospective recreation therapists. Three hours of lecture.

Upper Division

REC 331 PROGRAMMING IN RECREATION (3). *Prerequisites:* REC 120 and REC 124. Principles and procedures of planning recreation programs for particular age groups and in specific settings. Areas of knowledge include budgeting, personnel, facilities and justification for these programs. Three hours of lecture.

REC 334 LEISURE EDUCATION AND GERONTOLOGY (3). *Prerequisite:* REC 225 or consent of instructor. Role of therapeutic recreation specialist with emphasis on leisure awareness, social interaction skills, leisure activity skills, and leisure resources, as they relate to the field of gerontology. Three hours of lecture.

REC 335 MANAGEMENT OF RECREATION PARK AREAS/PROGRAMS (3). *Prerequisites:* REC 120 and REC 124. Basic theory of supervision and management in recreation agencies. Emphasis on staff assignments and evaluation, training, problem-solving, budgeting, and acquisition and development of recreation lands and structures. Three hours of lecture.

REC 438 COMMERCIAL RECREATION (3). *Prerequisite:* Consent of instructor. Study of the nature and function of recreation in commercial agencies such as hotels, resorts, and tourist attractions. Survey of the development and operation of commercial goods and services offered in the leisure market. Three hours of lecture.

REC 440 LEGAL AND FINANCIAL ASPECTS OF RECREATION (3). *Prerequisites:* REC 120 and REC 124. Emphasis on budget analysis, contracts, legal terminology, liability and litigation in recreation and park administration. Three hours of lecture.

REC 445 RECREATION THERAPY TREATMENT PROCEDURES (3). *Prerequisites:* REC 225 and REC 334. Theory and application of recreation therapy treatment procedures including leadership and management styles used in clinical and community therapeutic recreation. The course will include progress reporting and monitoring of all relevant criteria involved with treatment. Three hours of lecture.

REC 458 SEMINAR IN ADMINISTRATION OF LEISURE SERVICES (3). *Prerequisites:* REC 331 and REC 335 or consent of instructor. Principles of planning, directing and managing leisure service operations. Included are a study of physical environments, personnel organization, fiscal organization, administrative problem-solving, and discussions regarding recreation field work experiences. Three hours of seminar.

REC 493 DIRECTED FIELD EXPERIENCE IN RECREATION (3). *Prerequisites:* REC 120, REC 124, REC 355, and REC 440 or consent of instructor. Supervised leadership and supervision in recreation agencies. Involvement in and development of administration, supervision, program planning, and community and public relations strategies. One hour of lecture plus field work.

REC 494 RECREATION INDEPENDENT STUDY (1-3).* *Prerequisite:* Upper Division standing. Advanced study in recreation with each student participating in a special project mutually agreed upon by student and instructor.

REC 495 SPECIAL TOPICS IN RECREATION (3).* Exploration of wide variety of topics associated with recreational settings. Specialized topic areas may include those which pertain to the related coursework requirements to qualify for recreation therapy certification. Three hours of lecture.

REC 496 INTERNSHIP IN THERAPEUTIC RECREATION (12).* *Prerequisites:* REC 225, REC 334, REC 445, and REC 493. Internship at an approved site of California Board of Park and Recreation Personnel. Supervised by a full-time, certified recreation therapist. Student must complete 400 hours of supervised experience.

*Repeatable course.

RELIGIOUS STUDIES

MINOR

FACULTY

John LaCorte, Program Coordinator

Paul Gopaul, William Hagan, Polly Pope, Eiichi Shimomisse

HFA B-331, (213) 516-3328

PROGRAM DESCRIPTION

The Religious Studies minor is designed to complement the education students have received through other academic programs. This package of courses will bring students in contact with the rich varieties of religious experience. The minor is expressly structured to include exposure to diverse theoretical and methodological approaches that involve the study of the Judeo-Christian as well as non-Western religious traditions. The minor integrates the historical, philosophical, behavioral and humanistic aspects of religion.

FEATURES

The faculty draws its expertise from a wide range of academic fields, and has chosen to participate in this program because of a strong interest in religious studies.

Available to all students who are interested in religion is membership in Ecumenical Campus Ministry, a non-denominational group sponsoring lectures, panel discussions and other campus events aimed at stimulating your awareness and involvement in religious considerations.

ACADEMIC ADVISEMENT

It is suggested that a student consult with one of the professors listed above who is most closely associated with his/her major. The Religious Studies program is housed in the Department of Philosophy and Religious Studies, HFA B-331. Information by phone can be obtained by calling 516-3328. Students should consult an advisor as early as possible so that the best combination of courses for their interests and goals can be planned in advance.

PREPARATION

High school students are encouraged to take four years of English and courses in the social sciences.

Students from community college programs should have some courses in the social sciences, philosophy or religion.

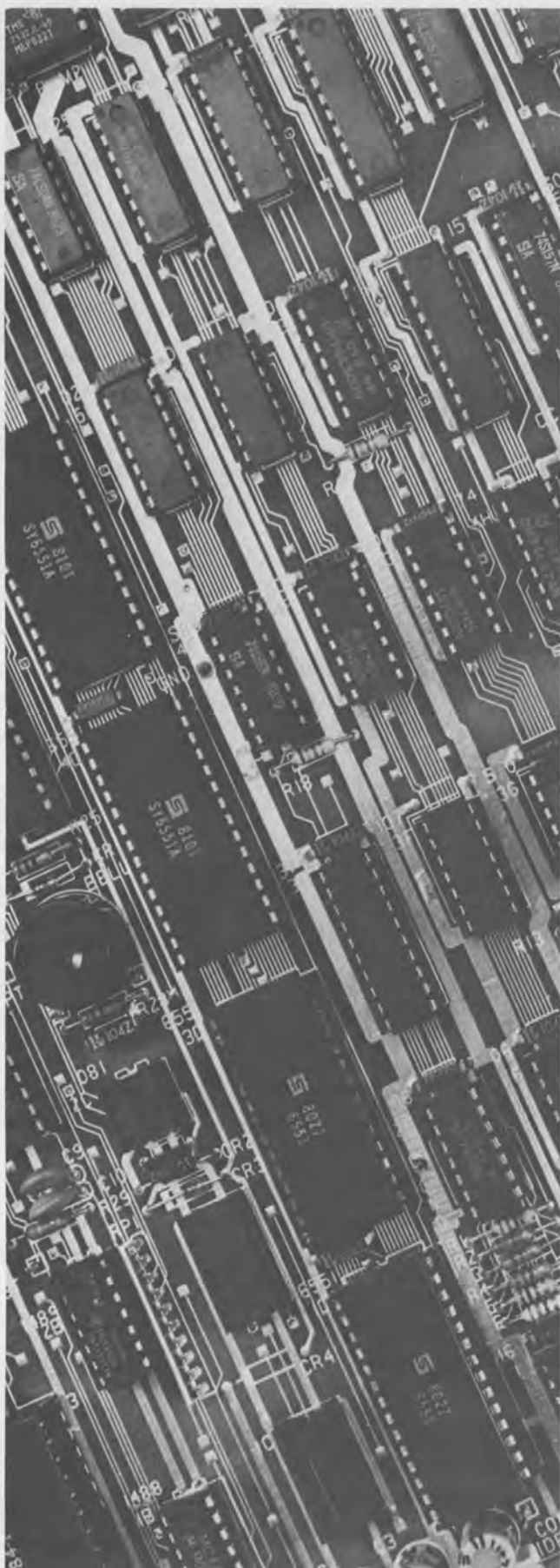
CAREER POSSIBILITIES

This minor is an excellent preparation for any career related to religious work—the ministry, counseling, teaching. However, independent of any specific career, it provides the student with a basis of understanding one of the most fundamental and universal of human drives.

MINOR REQUIREMENTS (15 units)

- A. PHI 380. Philosophy of Religion (3)
- B. Four courses selected from at least two different departments (12 units):
 - ANT 315. Magic and Religion (3)
 - ANT 341. Folklore (3)
 - PHI 381. Understanding the Bible: Old Testament (3)
 - PHI 382. Understanding the Bible: New Testament (3)
 - PHI 383. Comparative Religions (3)
 - PHI 384. Eastern Philosophy (3)
 - SOC 325. Sociology of Religion (3)





SCIENCE, MATHEMATICS AND TECHNOLOGY

Courses and programs within the school of Science, Mathematics and Technology, which do not fall within particular programs, are listed below.

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM IN PHYSICAL SCIENCE (52 units)

1. Required Basic Core (37 units)

- CHE 110. General Chemistry I (5)
- CHE 112. General Chemistry II (5)
- EAR 100. Introduction to Earth Sciences (3)
- EAR 101. Earth Sciences Laboratory (1)
- EAR 200. Earth History and Evolution (3)
- EAR 201. Earth History Laboratory (1)
- PHY 130. General Physics I (5)+
- PHY 132. General Physics II (5)+
- PHY 230. General Physics III (4)

One of the following two-course sequences:

- CHE 310. Organic Chemistry I (4) and
- CHE 311. Organic Chemistry Laboratory I (1)
- or
- CHE 316. Introductory Organic Chemistry (3) and
- CHE 317. Introductory Organic Chemistry Lab (1)

2. Electives (15 units)

At least 15 units selected from the following:

- CHE 320. Physical Chemistry I (4)+
- CHE 322. Physical Chemistry II (4)+
- CHE 431. Advanced Integrated Lab I (3)
- EAR 356. Mineralogy (4)
- EAR 358. Petrology (3)+
- EAR 366. Stratigraphy (3)
- PHY 310. Theoretical Mechanics I (3)+
- PHY 321. Physical Optics (3)
- PHY 333. Analog Electronics (3)+
- PHY 335. Digital Electronics (3)+
- PHY 350. Electromagnetic Theory I (3)+
- SMT 310. Science and Technology (3)
- SMT 312. Natural Processes and Human Welfare (3)
- SMT 314. Introduction to Cosmology (3)
- SMT 324. Modern Physics and its Impact on Twentieth Century Thought (3)

NOTE: Only one course with an SMT prefix may be used.

COURSE OFFERINGS IN SCIENCES, MATHEMATICS AND TECHNOLOGY

Lower Division

Upper Division

SMT 310 SCIENCE AND TECHNOLOGY (3). An assessment of the interrelationships of Science and Technology. Study of the development of technological advances and the scientific principles behind them. Three hours of lecture per week.

SMT 312 NATURAL PROCESSES AND HUMAN WELFARE (3). *Prerequisite: Completion of lower division General Studies science requirement is required; upper division standing is recommended.* Impact of natural events on human activities and vice versa. Mankind's uneasy relationship with atmosphere, ocean and not-so-solid earth. Three hours of Lecture per week.

SMT 314 INTRODUCTION TO COSMOLOGY (3). An introduction to the major theories of the origin and structure of the universe and the evidence for them, with attention to the way earlier ideas have been incorporated in modern thought. The Big Bang Theory will be examined in depth. Three hours of lecture per week.



SOCIAL AND BEHAVIORAL SCIENCES

Certain courses within the School of Social and Behavioral Sciences that do not fall within particular departments are listed under the heading Social and Behavioral Sciences.

COURSE OFFERINGS IN SOCIAL AND BEHAVIORAL SCIENCES

Lower Division

SBS 101 PERSONAL, SOCIAL AND INTELLECTUAL DEVELOPMENT (3). A consideration of individual development with the goal of increasing knowledge of self and others within the University. Topics include self-knowledge and assessment, learning to learn, career development, and making the best use of university resources. Three hours of lecture per week.

Upper Division

SBS 310 INDIVIDUAL PROCESSES (3). *Prerequisites: Completion of lower division social science requirements.* Analysis of behavioral processes focusing on the interaction among factors that shape the individual, e.g., socialization, motivation, cognition, sensation and perception, and interpersonal and group dynamics. Three hours of lecture per week.

SBS 312 SOCIAL ISSUES (3). *Prerequisite: Completion of lower division social science requirements.* Analysis of one or more contemporary social concerns and problems using perspectives of the social sciences. Examples of topics include crime and delinquency, drug abuse, racial and ethnic relations, sociopolitical movements, urbanization, and futures planning. Three hours of lecture per week.

SBS 314 GLOBAL TRENDS (3). *Prerequisite: Completion of lower division social science requirements.* Analysis of past, present or future trends focusing on social, political, environmental and economic processes utilizing a global perspective. Examples of topics include political socialization, nationalism, cultural separatism and cultural pluralism and international relations. Three hours of lecture per week.

SBS 316 SOCIAL CHANGE (3). *Prerequisites: Completion of lower division social science requirements.* Analysis of processes of social change, cultural development and cultural persistence using social science perspectives. Examples of topics include cultural evolution, industrialization, modernization, acculturation and assimilation. Three hours of lecture per week.

SBS 318 CULTURAL PLURALISM (3). *Prerequisites: Completion of lower division Social Science requirements.* Analysis of cultural diversity and the processes of cultural interaction, inter-ethnic relations and social integration on the community, national and international levels. Three hours of lecture per week.

Contact Person:

Richard Palmer, Dean
Social and Behavioral Sciences
(213) 516-3429



SOCIAL SCIENCE

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM FOR THE SINGLE SUBJECT TEACHING CREDENTIAL IN SOCIAL SCIENCE (45 units)

The Single Subject Waiver Program in Social Science is designed for students interested in a career in teaching social science at the secondary school level. This program satisfies the requirements set by the State Commission on Teacher Credentialing for demonstrating substantive preparation in the subject matter field of social science. Completion of an approved waiver program or passing a comprehensive examination in the subject matter field fulfills one part of the requirements leading to the Single Subject Teaching Credential in Social Science. While the waiver program in social science is not an academic major, credits earned toward student's major and minor can be used to meet many of the requirements of the waiver program. Students interested in pursuing a teaching career at the secondary level should meet regularly with the designated social science waiver program advisor.

The waiver program in social science consists of 45 semester units. Part I is the "Core" of 30 semester units in "subjects commonly taught" at the secondary school level. Part II requires 15 semester units to provide "depth and breadth."

PART I: CORE: "SUBJECTS COMMONLY TAUGHT", 30 UNITS

U.S. History (6 units)

One course selected from:

- HIS 330. United States: Colonial Period (3)
- HIS 331. United States: Revolutionary and Constitutional Period (3)
- HIS 332. United States: Early National Period (3)

and one course selected from:

- HIS 333. United States: Civil War and Reconstruction (3)
- HIS 334. Emergence of Modern American (3)
- HIS 335. United States: War and Depression (3)
- HIS 336. United States: Recent Period (3)

History of California (3 units)

- HIS 341. California (3)

U.S. Government (9 units)

- POL 312. State and Local Government: Organization and Problems (3)
- POL 360. American Constitutional Law: Distribution of Power (3)

and one course selected from:

- POL 314. American Political Parties and Elections (3)
- POL 315. Congress and the President (3)
- POL 334. American Foreign Policy (3)
- POL 335. International Politics (3)
- POL 340. Political Change in First and Third World Countries (3)
- POL 354. American Political Thought (3)

World History (6 units)

- HIS 110. The Western World: The Classical Foundation (3) or
 HIS 111. The Western World: The Modern Experience (3)

and one course selected from:

- HIS 110. The Western World: The Classical Foundation (3)
 HIS 111. The Western World: The Modern Experience (3)
 HIS 305. World History Since 1500 (3)
 HIS 310. The Ancient World (3)
 HIS 311. Early Middle Ages (3)
 HIS 312. The High Middle Ages (3)
 HIS 313. Renaissance and Reformation (3)
 HIS 314. Emergence of Modern Europe (3)
 HIS 315. Twentieth Century Europe (3)
 HIS 316. Tudor-Stuart England (3)
 HIS 317. Modern England (3)
 HIS 318. Russia under the Tsars (3)
 HIS 319. The Soviet Union: Yesterday and Today (3)
 HIS 360. Africa: Pre-Colonial Period (3)
 HIS 361. Africa: Colonialism to Independence (3)
 HIS 362. Traditional China (3)
 HIS 363. Modern China (3)
 HIS 364. Traditional Japan (3)
 HIS 365. Modern Japan (3)
 HIS 366. Latin America: Colonial Period (3)
 HIS 367. Latin America: National Period (3)
 HIS 368. Mexico: Colonial Period (3)
 HIS 369. Mexico: National Period (3)

World Geography (6 units)

- GEO 100. Earth, the Human Home (3)
 GEO 360. North America (3)

PART II: "BREADTH AND DEPTH" (15 UNITS)

Must include at least one course from each of the categories (A-D) below. A maximum of 6 units of lower division classes (200 level and below) may be taken. Courses selected must include three different departments at the upper division level (300 and above)

A. Social Science Theory and Method

Course options include:

- ANT 313. Methods and Techniques of Archaeology (3)
 ANT 355. Culture and Ecology (3)
 ANT 388. Anthropological Theories of Behavior (3)
 PSY 305. History and Systems of Psychology (3)
 PSY 312. Theories of Learning (3)
 PSY 313. Motivation and Emotion (3)
 SOC 305. Methods of Sociological Research (3)
 SOC 355. Modern Sociological Theories (3)

B. Social Groups, Institutions and Issues

Course options include:

- ECO 315. American Economic History (3)
 ECO 380. The Economics of Urban Areas (3)
 PSY 342. Interpersonal and Group Dynamics (3)
 SOC 102. Understanding Social Relationships (3)
 SOC 311. Social Organization (3)
 SOC 320. The Family (3)
 SOC 367. Sociology of Law (3)

C. Individual Development, Socialization and Deviance

Course options include:

- ANT 310. Culture and Personality: Psychological Anthropology (3)
 ANT 360. Human Evolution (3)
 ANT 389. Transmission of Culture (3)
 PSY 101. General Studies Psychology: Understanding Human Behavior (3)
 PSY 340. Social Psychology: Psychological Perspective (3)
 PSY 351. Psychology of Adolescent Experience (3)
 PSY 368. Human Sexuality (3)
 SOC 101. The Individual in Society (3)
 SOC 340. Social Psychology: Sociological Perspectives (3)
 SOC 365. Deviant Behavior (3)

D. Cross Cultural and Pluralistic Perspectives

Course options include:

- ANT 100. Introduction to Cultures (3)
 ANT 312. Language and Culture (3)
 ANT 330. North American Indians (3)
 ANT 341. Folklore (3)
 PSY 380. Psychology of the Mexican-American I (3)
 PSY 382. Psychological Development of the Black Child (3)
 PSY 383. Psychology of the Black Experience (3)
 SOC 312. The Urban Community (3)
 SOC 331. Minority Racial and Ethnic Relations (3)
 SOC 383. Black Communities: Class, Status, and Power (3)

SOCIOLOGY

BACHELOR OF ARTS

MINOR

Sociology
Women's Studies (see separate section)

CERTIFICATE

Social Research (undergraduate)
Social Research (graduate)

MASTER OF ARTS

General Option
Research Skills Option

SINGLE SUBJECT WAIVER PROGRAM

Social Science (see separate section)

FACULTY

Dexter Edward Bryan, Department Chair

Barbara Green, Department Secretary
SBS B-334, (213) 516-3431 or 3432

F. Donald Laws, Graduate Program Coordinator

Social and Behavioral Sciences Graduate Program Office
SBS G-322, (213) 516-3435

William R. Blischke, Dexter Edward Bryan, Harold Charnofsky, Robert M. Christie, Jeanne Curran, Fumiko Hosokawa, Richard B. Hovard, F. Donald Laws, Herman J. Loether, William J. McCoy, G. Peter Paulhe, John C. Quicker, Sharon Raphael, Steve R. Riskin, Alan Ryave

PROGRAM DESCRIPTION

With the increasing complexity of modern life, sociology plays an important role in helping governments, corporations and citizens to cope better in a rapidly changing world. The methods and knowledge developed by sociologists and the diverse subjects they study reflect the complexity of human behavior and social life. The newly emerging patterns of social change continue to alter our life, making the effective applications of social analysis more important than ever before in solving problems of human organizations.

The Department of Sociology at CSU Dominguez Hills is committed to providing sociological skills to people entering a wide variety of careers and professions. The department is composed of a diverse, innovative and stimulating faculty who teach and pursue research in a variety of areas that are important in today's changing world. The Sociology Program educates students for many different careers in both public and private sectors, which increasingly recognizes the relevance of sociological training for a broad range of professions and organizations. The sociology faculty offers undergraduate and graduate programs with several emphases that respond directly to the needs of today's students.

Graduate students as well as undergraduate majors and minors may concentrate their studies in a variety of applied fields such as law and society, social research and computer applications, clinical and community sociology, education and society, or criminology. In addition, students may extend their research training and receive a Certificate in Social Research, either graduate or undergraduate.

Undergraduates majoring in sociology may elect to concentrate their studies in any of the areas mentioned above or in any of several other areas that best fit their academic or professional goals. Students majoring in other disciplines or professional programs may tailor a minor in sociology to complement their major field of study. Sociology minors are offered to complement a wide



range of majors, including psychology, political science, computer science, liberal studies and many others. Graduate students often plan their studies in the context of more specific career and professional goals, or to augment their current professions.

FEATURES

Social Systems Research Center

The CSU Dominguez Hills Department of Sociology has received national recognition for its innovative educational programs, especially its Social Systems Research Center (SSRC). The faculty offer courses of instruction that provide students with direct participation in "real world" research projects conducted for both public and private organizations. The SSRC is the Department's research laboratory and is organized on an apprenticeship basis to give graduate and undergraduate students maximum experience in doing sociological research. Students with any level of prior experience may participate in research projects. By working with faculty and advanced students, they may determine the competency-level of their research; however, students are encouraged to take on levels of responsibility in line with their experience and training. Some students are able to take major responsibility for the completion of projects, as project directors, resulting in professional-level research experience while still in school. Students may pursue special certificate programs in social research. Both graduate and undergraduate certificates are offered, which often has led to employment based on demonstrated research competence gained in the SSRC. Students who have taken full advantage of the research training and experience offered by the SSRC now are employed professionally in state, local and federal agencies, as well as private institutions and corporations.

The SSRC contracts with outside agencies and organizations to conduct research in a wide range of applied areas. In this context, students learn to design research, write research proposals and develop budgets for proposed projects. Research projects are selected as SSRC projects on the basis of their educational value for teaching research skills and for their sociological interest. The SSRC is open to all students, undergraduate and graduate, including students who are not majors or minors in sociology. Students majoring in a variety of other fields find the experience and training obtained in the SSRC a valuable resource for their own careers.

Student Internships

Student internships are made available in subject areas in the Sociology Department such as law and society, clinical and community sociology, criminology, education and society, and others where faculty research and professional practice provide such opportunities. Interested students should talk with faculty involved in such areas.

Graduate Studies in Sociology

The Department offers an established graduate program leading to the master of arts in Sociology. The program is designed to provide all students with a strong foundation in sociological theory and research methodology. The graduate program is designed to allow for a substantial degree of student choice. While the program can be completed in two semesters of full-time study, it also is possible to complete the program on a part-time basis over a slightly longer period. Students may choose a macro- or micro-based program of study and select from several areas for further specialization or experience. These areas include, but are not restricted to, such concentrations as social research and computer applications; sociology of education; community and clinical sociology; law and society; criminology and deviance; and general sociology. Students are expected to select a major advisor who can best facilitate their specific interests in the program. Dr. Donald Laws, the graduate program coordinator, provides students with detailed information about the program, its options and current faculty interests and concerns. Finally, students may choose one of the following options to complete their program of graduate study: comprehensive exam, thematic project or thesis. Students with an interest in

teaching and administrative applications of the degree are encouraged to complete via examination. Those with research interests or who may wish to pursue advanced graduate study toward a doctoral degree are encouraged to opt for the thesis or thematic project options.

The Department of Sociology has an established record of success in graduate education. Many of the Department's graduates have found careers in research, teaching and a wide range of other fields. Special emphasis is placed upon the acquisition of practical and policy-relevant research participation by graduate students in the SSRC. Students are encouraged to take an active role in the Department, the discipline and the wider community. Students may apprentice in one or more of the many advanced forms of social scientific research, including evaluation research, social impact analyses, ethnographic field research, etc. Students who wish to pursue advanced study beyond the M.A. may elect to take additional work necessary to acquire the Graduate Certificate in Social Research. More detailed information on graduate study in sociology may be obtained from the SBS Graduate Program secretary (213) 516-3435.

ACADEMIC ADVISEMENT

Sociology faculty provide advisement for majors, minors and graduate students in sociology, and also provide general studies advisement for sociology majors. Faculty are available for both daytime and night students. To locate an advisor, call the Department Office at (213) 516-3431.

Students interested in law and society should contact Jeanne Curran or Stephen Riskin; for advisement in criminology and deviance, contact F. Donald Laws or John Quicker; for clinical and community programs, contact Harold Charnofsky, Fumiko Hosokawa, Peter Paulhe; for gerontology, contact Sharon Raphael; for education and society, contact Dexter Ed Bryan, William Blischke, Richard Hovard or William McCoy; for research and computer applications and the certificate programs in social research, contact Robert Christie or Herman Loether. For general sociology advisement, Alan Ryave should be contacted. For graduate advising, call 516-3431 or 516-3435. Students are advised to contact an advisor early, in order to take the best advantage of opportunities offered by the Department.

PREPARATION

High school students contemplating a major in Sociology are encouraged to take the college preparatory courses, including English, mathematics and social sciences. Courses in computers, logic and life science also are recommended.

Students planning to transfer from community college should consult with their counselor or advisor to assure that appropriate lower division courses are completed before the transfer. If you are not sure of any requirement, please contact the CSU Dominguez Hills Sociology Department for information.

CAREER POSSIBILITIES

The Sociology Department's programs are designed to prepare students for graduate study in sociology and for professional positions and careers in a variety of fields in federal, state and local agencies as well as for jobs in private business and non-profit institutions. They also may complement technical and administrative programs by broadening students' understanding of social behavior and social organization. The following brief descriptions cover some typical areas of employment for sociology students have entered.

Research

Sociologists work as researchers and data analysts in many different types of employment settings. Some examples are: research in law enforcement agencies, federal, state, and local government agencies; organizational research in corporations; marketing and site selection research for banks; census research; program evaluation research; legal research; prison research; human factors research for "high-tech" industries; and applied social research in areas such as worker morale, voter preferences and the social environment of business. Contact the director of the Social Systems Research Center for further information, 516-3353.

Teaching

Undergraduate study in sociology contributes to subject matter preparation for the California Teaching Credential in Social Science. Students should consult the appropriate section of the Catalog for further requirements. An undergraduate degree in sociology with an emphasis in theory and research prepares one for advanced study at the master's and doctoral degree levels, necessary for teaching at the college and university levels. For information concerning social science and teaching careers, a special advisor is available, Dexter Edward Bryan (516-3431).

Clinical and Applied Practice

The sociology student may find careers in agencies and departments that address social and interpersonal problems by developing programs and employing professionals to assist their employees in overcoming a wide range of life problems. Some enter marriage, family and child counseling practice; others become independent consultants to management for corporations or government, or even private investigators. Some graduates have started their own agencies in these fields. For further information, contact Hal Charnofsky at 516-3439 or 516-3431.

Public Services

A great number of public agencies and community organizations employ sociology graduates in their social services programs. Some examples include social case worker, children's services specialist, police officer, parks and recreation worker, probation and parole officer, city planning and environmental policy positions, agency-community liaison worker, ombudsmen, special agent for the FBI or Secret Service, human resources and personnel managers, disabled services specialists, veterans affairs specialists, community redevelopment director and adoption agency heads. Contact the Department of Sociology for career information or other questions, 516-3431.

STUDENT ORGANIZATIONS

Sociology students have formed the Sociology Club on campus to provide activities and speakers of interest to students of sociology. Dr. Robert M. Christie is the faculty advisor. The department also has a chapter of Alpha Kappa Delta, International Sociology Honor Society, for students who meet honor society requirements. Contact the Department of Sociology office for details, 516-3431.

MAJOR REQUIREMENTS - BA (33 units)**Lower Division Requirements (7 units)**

- SOC 101. The Individual in Society (3) or
- SOC 102. Understanding Social Relationships (3)
- SOC 220. Analytical Statistics for Sociology (4)

Upper Division Requirements (24 units)

Required: (14 units)

- SOC 305. Methods of Sociological Research (3)
- SOC 311. Social Organization (3)
- SOC 340. Social Psychology: Sociological Perspectives (3)
- SOC 355. Modern Sociological Theories (3)
- SOC 406. Workshop in Research Methods (1)
- SOC 455. Workshop in Theory Building (1)

Electives: (12 units)

Also required are four additional upper division courses in sociology to be selected in consultation with the student's advisor.

MINOR REQUIREMENTS (15 units)

Five courses selected upon advisement (a maximum of six lower division units may apply toward the minor). The Department also provides advisors who pay particular attention to the professional needs of students working in the technical, administrative and business fields. Minor areas may be 'tailor-made' to meet the specific educational interests and career needs of students (see previous academic advisement section).

Basic Areas of Study

The Sociology Department recommends that each student select an area for the major or minor. At least four elective courses should be taken from that chosen area of study (Upon consultation with an advisor a student may elect to substitute another course for one in his/her specialty).

The basic areas of study are as follows:

- Social Research and Computer Applications
- Law and Society
- Clinical and Community Sociology
- Education and Society
- Criminology
- Gerontology

CERTIFICATE REQUIREMENTS - Undergraduate**UNDERGRADUATE CERTIFICATE IN SOCIAL RESEARCH (42 units)**

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.

- A. The following required courses may be applied to the sociology major:

- SOC 220. Analytical Statistics for Sociology (4)
- SOC 303. Qualitative Methods (3)
- SOC 304. Computer Applications in the Social Sciences (3)+ or
- SOC 307. Micro Computer Data Base Applications in Social Science (3)
- SOC 305. Methods of Sociological Research (3)+
- SOC 355. Modern Sociological Theories (3)
- SOC 401. Inferential Statistics for Sociology (4)+
- SOC 402. Multivariate Analysis in Sociology (4)+
- SOC 406. Workshop in Research Methods (1)+
- SOC 455. Workshop in Theory Building (1)+

(Appropriate courses from other disciplines may be substituted with consent of advisor.)

- B. The following course must be taken in the Social Systems Research Center (16 units):

- SOC 302. Workshop in Social Research (4,4,4,4)

MAJOR REQUIREMENTS - MA

Admissions Requirements and Procedures

To be considered for admission to the Sociology 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 in the last 60 semester units (90 quarter units) of undergraduate work (excluding units earned in extension studies). The applicant should have two letters of recommendation forwarded to the program coordinator. Applicants not possessing the above qualifications may apply directly to the Sociology Graduate Committee for special consideration.

Requirements for Classified Standing

To become classified in the Sociology Graduate Program, a student must demonstrate a background in social science theory and methods. This usually entails two theory and methods courses taken at the undergraduate level. Students in need of this exposure will be required to take appropriate undergraduate theory and/or methods course(s) in order to be classified. Students eligible for classification should contact the graduate coordinator and submit the proper petition.

Requirement for Advancement to Candidacy

Candidacy status denotes the successful completion of a major portion of the graduate academic program.

To be advanced to candidacy students must have completed the following:

1. Graduate writing competency certification.
2. The following core courses with a minimum grade of "B" in each course:
 - SOC 505. Seminar in Sociological Research (3)+
 - SOC 506. Laboratory in Sociological Research (1)+
 - SOC 511. Seminar in Social Organization (3) or
 - SOC 550. Seminar in Interaction Processes (3)
 - SOC 555. Seminar in Sociological Theory (3)
3. Completion of two additional graduate seminars in sociology with a minimum G.P.A. of 3.0.
4. Approval of the student's eligibility for the comprehensive exam by a committee of three members of the full-time faculty of the sociology department or
5. Approval of a thesis or thematic project proposal by a committee consisting of three members of the full-time faculty of the sociology department. Proposals are submitted in writing and the title is registered with the department.

Degree Requirements

GENERAL SOCIOLOGY OPTION (30 units)

1. Required core courses (10 units):
 - SOC 505. Seminar in Sociological Research (3)+
 - SOC 506. Laboratory in Sociological Research (1)+
 - SOC 555. Seminar in Sociological Theory (3)+
 - SOC 511. Seminar in Social Organization (3)+ or
 - SOC 550. Seminar in Interaction Processes (3)+
2. Classified students are required to take SOC 505, Seminar in Sociological Research, and SOC 555, Seminar in Sociological Theory, during their first year in the program.
3. 20 additional units from sociology course offerings (a maximum of nine (9) units may be taken from 300 or 400 level courses and only with the consent of the advisor).

4. Completion of the comprehensive exam. A thesis or thematic project may be substituted for the exam upon the acceptance of a proposal as specified under the guidelines of advancement to candidacy.
5. Of the 20 units taken under "3", at least three should be graduate seminars, those students selecting the thesis or the project may include five (5) units of SOC 599. Those students selecting the comprehensive examination option must include two (2) units of SOC 599.
6. An overall grade point average of 3.0 or better with no grade lower than a "B" in the core courses.

RESEARCH SKILLS OPTION (30 units)

The following courses are prerequisites and must be completed before classified standing in the program will be granted.

- SOC 304. Computer Applications in the Social Sciences (3)+ or
- SOC 307. Micro Computer Data Base Applications in Social Science (3)
- SOC 402. Multivariate Analysis in Sociology (4)

(This option will also satisfy requirements for the Graduate Research Certificate)

1. Core Courses: (10 units)
 - SOC 505. Seminar in Sociological Research (3)+
 - SOC 506. Laboratory in Sociological Research (1)+
 - SOC 555. Seminar in Sociological Theory (3)+
 - SOC 511. Seminar in Social Organizations (3)+ or
 - SOC 550. Seminar in Interaction Processes (3)+
2. Required Courses (20 units)
 - SOC 455. Workshop in Theory Building (1)+
 - SOC 503. Seminar in Ethnographic Analysis in Sociology (3)
 - SOC 502. Graduate Workshop in Research and Theory (4)+ or
 - SOC 302. Workshop in Social Research (4)

(A total of 16 units of SOC 502 and SOC 302 must be taken and at least 12 units must be in SOC 502.)
3. Serve as project director (or co-director) of a selected Social Systems Research Center sponsored project for the minimum of one term and the submission of an approved written report of the project.
4. A grade point average of 3.0 or better in graduate study.

CERTIFICATE REQUIREMENTS - Graduate

GRADUATE CERTIFICATE IN SOCIAL RESEARCH (34 units)

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 Master's Degree Program and must maintain a 3.0 ("B") average.

- A. The following required courses may be applied to the master of arts degree in Sociology (18 units):

- SOC 304. Computer Applications in the Social Sciences (3)+ or
 SOC 307. Micro Computer Data Base Applications in Social Science (3)
- SOC 402. Multivariate Analysis in Sociology (4)+
 SOC 455. Workshop in Theory Building (1)
 SOC 503. Seminar in Ethnographic Analysis in Sociology (3)
 SOC 505. Seminar in Sociological Research (3)
 SOC 506. Laboratory in Sociological Research (1)
 SOC 555. Seminar in Sociological Theory (3)

(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 (16 units):

- SOC 302. Workshop in Social Research (4) or
 SOC 502. Graduate Workshop in Research and Theory (4)+

(A total of 16 units must be taken from B, including at least 12 units of SOC 502.)

COURSE OFFERINGS IN SOCIOLOGY

Lower Division

SOC 101 THE INDIVIDUAL IN SOCIETY (3). An introduction to the study of self, socialization, and social interaction. Interpersonal relations and the structure of social roles; deviance and normality in everyday life. Three hours of lecture per week.

SOC 102 UNDERSTANDING SOCIAL RELATIONSHIPS (3). Dynamics of the basic units of society, such as marriage and family groups, associations, and bureaucracy. Study of work, class and mobility, conflict and cooperation, crime, delinquency and social control. Three hours of lecture per week.

SOC 220 ANALYTICAL STATISTICS FOR SOCIOLOGY (4). *Prerequisite: Algebra I is recommended.* Statistical techniques for the description and analysis of sociological data. Tabular, graphic, and parametric analytical procedures. Three hours lecture and three hours laboratory per week.

Upper Division

SOCIAL RESEARCH

SOC 300 WRITING SKILLS IN SOCIOLOGY (3). Introduction to basic research and presentational skills of Sociology and social and behavioral sciences. Skills development in research and writing, using library and other data sources, organizing projects, writing reports. Satisfies graduate competency in writing requirement. One hour of lecture and four hours of activity per week.

SOC 302 WORKSHOP IN SOCIAL RESEARCH (4).* *Prerequisites: Consent of instructor is required; SOC 220, SOC 305, SOC 355 are recommended. Concurrent enrollment in one or more of the following courses is recommended: SOC 403, SOC 406, SOC 407, SOC 455.* Workshop in research methods and theory applied to actual research projects culminating in public reports. Eight hours of workshop per week.

SOC 303 QUALITATIVE METHODS (3). Use and application of unstructured, structured, and participant observation methods to sociological phenomena. Unobtrusive and non-reactive procedures of research. Three hours of lecture per week.

SOC 304 COMPUTER APPLICATIONS IN THE SOCIAL SCIENCES (3). *Prerequisite: SOC 220 or its equivalent is recommended.* Applications of computers in the Social Sciences; data processing, modeling, simulation, data base management, bibliographic searches. On-line and batch applications. One hour of lecture and four hours of activity per week.

SOC 305 METHODS OF SOCIOLOGICAL RESEARCH (3). *Prerequisite: Concurrent enrollment in SOC 406 is required for Sociology majors and recommended for all others.* Examination of methods employed in the investigation of sociological phenomena. Consideration of the research process as a whole, including quantitative and qualitative techniques. Three hours of lecture per week.

SOC 307 MICRO COMPUTER DATA BASE APPLICATIONS IN SOCIAL SCIENCE (3). Exploration of individualized data base systems for social science. Creation and management of data base files, both user generated and commercial software. Emphasis on the usefulness of the microcomputer in storing, accessing and analyzing social science data, report generation and accessing mainframe archives. One hour of lecture and four hours of activity per week.

SOC 308 FIELD APPLICATIONS IN SOCIOLOGY (3). *Prerequisites: SOC 220 and SOC 305 or equivalent is recommended.* Particular stress on in-the-field research with one selected population, institution, or agency. Student to complete a research project based upon field experiences. Two hours of lecture per week.

METHODS

SOC 401 INFERENTIAL STATISTICS FOR SOCIOLOGY (4). *Prerequisites: SOC 220 or its equivalent is required; algebra is recommended.* Inferential statistical techniques as tools for analysis of sociological data. The logic of statistical inference. Parameter estimation and hypothesis testing. Three hours lecture and three hours laboratory per week.

SOC 402 MULTIVARIATE ANALYSIS IN SOCIOLOGY (4). *Prerequisites: SOC 220 or its equivalent is required; SOC 401 is recommended.* Consideration of the integral involvement of statistics in research, with special emphasis on multivariate techniques. Criteria for selection of appropriate techniques. Three hours of lecture and three hours laboratory per week.

SOC 403 THE ROLE OF THE SOCIOLOGICAL RESEARCHER (1). An intensive workshop focusing on research role-related topics such as training, ethics, responsibilities, and relationship with others. Conducted in the SSRC as part of on-going research projects developed by faculty in the Department of Sociology. Two hours of activity per week.

SOC 406 WORKSHOP IN RESEARCH METHODS (1). *Prerequisite: SOC 220. Concurrent enrollment in SOC 305 is recommended.* Workshop supplementing Methods of Sociological Research (SOC 305). Two hours of activity per week.

SOC 407 FIELD STUDIES WORKSHOP (1). *Prerequisites: SOC 220 and SOC 305 or their equivalents.* An intensive workshop in special problems in field research, such as entry into the field, note-taking, awareness, and identification of a date. Conducted in the SSRC as part of ongoing research project developed by faculty in the Department of Sociology. Two hours of activity per week.

SOCIAL ORGANIZATION

SOC 310 SOCIAL STRATIFICATION (3). Stratification in American society as compared to other cultures, with consideration of the effects of class and status on personality and behavior. Three hours of lecture per week.

SOC 311 SOCIAL ORGANIZATION (3). Forms of organizing. Contemporary social systems: the family, the political system, the economy, religion and education. Three hours of lecture per week.

*Repeatable course.

SOC 312 THE URBAN COMMUNITY (3). 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 suburban change and planning. Three hours of lecture per week.

SOC 315 SOCIOLOGY OF WORK (3). Sociological analysis of work in industrial society. Examination of the labor force, industrial organization, occupational roles, and careers. Consideration of impact of technological change. Three hours of lecture per week.

SOC 316 SOCIOLOGY OF ADULT LIFE AND AGING (3). *Prerequisite: SOC 101 or 102 is required.* 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. Three hours of lecture per week.

SOC 317 CLASS, STATUS AND POWER IN THE WORKPLACE (3). Analysis of social interaction and social structure in the work-related setting. Interpretation of sociological theory as it applies to transactions between individuals on the job. Comparison of the social structure and its effect on workers in a variety of work settings, from social agencies to large industrial complexes, from entry level to executive positions. Emphasis on an awareness of these factors as they influence individual work choices and job satisfaction. Three hours of lecture per week.

INSTITUTIONS

SOC 320 THE FAMILY (3). Study of the social processes and structural patterns affecting contemporary family life in American society. Three hours of lecture per week.

SOC 321 SOCIOLOGY OF EDUCATION (3). Examination of the organization and functions of educational institutions, comparison of American educational systems with educational systems in industrial and developing nations. Special attention given to the impact of schools on the life choices of culturally diverse groups. Three hours of lecture per week.

SOC 322 SOCIAL ENVIRONMENT OF EDUCATION (3). 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. Three hours of lecture per week.

SOC 325 SOCIOLOGY OF RELIGION (3). Study of religion from sociological perspective: how religions are enacted and expressed as social and cultural events; the relation of religion to social structures; emphasis of the awareness of religion as an aspect of complex multiethnic society. Three hours of lecture per week.

SOC 326 SOCIOLOGY OF MEDICINE (3). Social and cultural aspects of health, health behavior, and health organizations. Research on the distribution of disease in society, organization of health professions, social change, health care, stress and disease. Examination of social and cultural factors affecting utilization and structure of health services. Three hours of lecture per week.

SOC 327 UNION STRUCTURES (3). Forms of labor union organization: locals, joint boards, internationals, and combined national labor groups. Internal and external interactions and confrontations. Application of field methods of organized labor. Three hours of lecture per week.

SOC 328 SOCIAL AGENCIES: PRACTICE AND POWER (3). Study of the sources of power and the practical function of social agencies evaluated in their social context and for their impact upon the individual. Three hours of lecture per week.

SOCIAL ISSUES

SOC 330 SOCIAL PROBLEMS (3).* Focused study of a limited selection of contemporary social problems, chosen in accordance with the interests of instructor and students. Three hours of lecture per week.

SOC 331 MINORITY RACIAL AND ETHNIC RELATIONS (3). Investigation of current American racial and ethnic problems in world-wide and historical perspective. Three hours of lecture per week.

SOC 333 SOCIOLOGY OF LEISURE AND SPORT (3). 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. Three hours of lecture per week.

SOC 334 WOMEN IN SOCIETY (3). Analysis of the changing role of women in different historical and cultural settings. Emphasis on the conflict women face from the value and belief systems of their cultures, those of their broader society and their social identity as women. The course will draw on material from diverse cultures, including both industrialized and developing countries. Three hours of lecture per week.

SOC 335 SOCIAL MOVEMENTS (3).* A study of major social movements with varying specific emphasis on topical problems or relevant issues from semester to semester. For example, a specific semester may be devoted to Social Movements: Black Awareness; or Social Movements: Utopias. Two hours of lecture and two hours of activity per week.

SOCIAL INTERACTION

SOC 340 SOCIAL PSYCHOLOGY: SOCIOLOGICAL PERSPECTIVE (3). 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. Three hours of lecture per week.

SOC 341 SEMINAR IN SMALL GROUPS (3). 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. Three hours of seminar per week.

THEORY

SOC 355 MODERN SOCIOLOGICAL THEORIES (3). *Prerequisite: Concurrent enrollment in SOC 455 is required for all Sociology majors and recommended for all others.* Analysis of contemporary sociological theories with attention to historical origins. Relationship of theory to research, theory construction. Three hours of lecture per week.

SOC 455 WORKSHOP IN THEORY BUILDING (1). *Prerequisite: SOC 355 or concurrent enrollment.* Workshop to accompany Modern Sociological Theories (SOC 355), concurrent enrollment recommended. Two hours of activity per week.

CRIME AND DEVIANCE

SOC 363 SOCIOLOGY OF DRUG AND ALCOHOL USE (3). Introduction to drugs and alcohol as a contemporary social problem. Sociological analysis of drug use and abuse. Course includes systematic review of policy implications and therapeutic applications of sociology of drug use, especially chemical dependency and alcoholism. Three hours of lecture per week.

*Repeatable course.

SOC 364 CORRECTIONS (3). 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. Three hours of lecture per week.

SOC 365 DEVIANT BEHAVIOR (3). 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. Three hours of lecture per week.

SOC 367 SOCIOLOGY OF LAW (3). 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. Three hours of lecture per week.

SOC 368 CRIMINOLOGY (3). 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. Three hours of lecture per week.

SOC 369 JUVENILE DELINQUENCY (3). 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. Three hours of lecture per week.

COMMUNITY STUDIES

SOC 381 FIELD STUDIES IN URBAN PROBLEMS (3). Field experiences in the urban setting, with special emphasis upon investigation and understanding of the human and social dimensions of urban problems. Two hours of lecture per week.

SOC 383 BLACK COMMUNITIES: CLASS, STATUS, AND POWER (3). An analysis of the structure of the Black community: class, economic and political power, the role of leadership, and the conditions for social development. Three hours of lecture per week.

SOC 386 SOCIOLOGY OF THE HELPING PROFESSIONS (3). Analysis of the importance of social and environmental factors within the helping context. Particular emphasis on variety of settings for helping, and on issues of social ethics and cultural sensitivities. Three hours of lecture per week.

SOC 387 INTRODUCTION TO SOCIAL EPIDEMIOLOGY (3). 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. Three hours of lecture per week.

SOC 395 SPECIAL TOPICS IN SOCIOLOGY (3)*. Intensive sociological analysis of a topic of special interest to both the faculty member and students. Two hours of lecture and two hours activity per week.

SOC 494 INDEPENDENT STUDY (1,3)*. *Prerequisite: Consent of instructor.* A reading program of selected topics conducted under the supervision of a faculty member.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

SOC 502 GRADUATE WORKSHOP IN RESEARCH AND THEORY (4)*. *Prerequisites: SOC 302 is required; SOC 220, SOC 305 and SOC 355 are recommended. Concurrent enrollment in one or more of the following is recommended: SOC 403, SOC 406, SOC 407, SOC 455.* Practicum in theory and research culminating in preparation of a public report. Entire experience is based on professional research projects in the Social Systems Research Center. Student is expected to assume some supervisory responsibility. Eight hours of workshop per week.

SOC 503 SEMINAR IN ETHNOGRAPHIC ANALYSIS IN SOCIOLOGY (3). 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. Three hours of seminar per week.

SOC 505 SEMINAR IN SOCIOLOGICAL RESEARCH (3). *Prerequisites: SOC 305 and 406 or equivalent are required; SOC 401 or 402, 403 and 407 are recommended; concurrent enrollment in SOC 506 required for Sociology graduate students, recommended for all others.* Advanced study of sociological research techniques and strategies. Consideration of research design and analysis as they relate to theory testing. Three hours of seminar per week.

SOC 506 LABORATORY IN SOCIOLOGICAL RESEARCH (1). *Corequisite: SOC 505 is required for Sociology graduate students and recommended for all others.* Laboratory exercises in the application of research techniques, including formulation of the research problem, case selection, instrument design, observation, data reduction and processing, analysis, and interpretation. Three hours of laboratory per week.

SOC 511 SEMINAR IN SOCIAL ORGANIZATIONS (3). 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. Three hours of seminar per week.

SOC 512 SEMINAR IN THE SOCIOLOGY OF URBAN CHANGE (3). 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 the modern city. Reading and discussion of significant urban research and planning literature. Three hours of seminar per week.

SOC 518 SEMINAR IN MARRIAGE AND THE FAMILY (3). 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. Three hours of seminar per week.

SOC 525 SEMINAR IN WORK AND SOCIETY (3). Sociological analysis of work in contemporary and past societies. Examination of the relationship between the economy and the labor force. Consideration of ethnic and sex differences in the occupational structure and of the role of organized labor in society. Three hours of seminar per week.

SOC 529 SEMINAR IN SOCIAL GERONTOLOGY (3). A detailed sociological discussion and presentation of theoretical and methodological issues and problems in the field of social gerontology. Field work will be conducted. Three hours of seminar per week.

*Repeatable course.

SOC 530 SEMINAR IN SOCIAL CHANGE (3). 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. Three hours of seminar per week.

SOC 550 SEMINAR IN INTERACTION PROCESSES (3). Experience 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. Three hours of seminar per week.

SOC 555 SEMINAR IN SOCIOLOGICAL THEORY (3). *Prerequisite: SOC 355; concurrent enrollment in SOC 455 is recommended.* A detailed examination of classical and contemporary sociological theory. Three hours of seminar per week.

SOC 560 SEMINAR IN THE SOCIOLOGY OF RACIAL AND ETHNIC RELATIONS (3). 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. Three hours of seminar per week.

SOC 561 SEMINAR IN AGING: MINORITIES AND SPECIAL GROUPS (3). Analysis of the situation of the elderly within selected population groups including the black aged, Mexican-American aged, the aging woman, the rural and urban poor aged. Community resource persons will be invited to participate. Three hours of seminar per week.

SOC 563 SEMINAR IN THE SOCIOLOGY OF DRUG AND ALCOHOL USE (3). Social scientific approach to chemical substance use, misuse and dependency. Analysis of contemporary and historical definitions of alcohol and drug use. Origin, maintenance and transformation of patterns of drug use. Social responses to abuse and politics of use and abuse. Three hours of seminar per week.

SOC 565 SEMINAR IN DEVIANT BEHAVIOR (3). 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. Three hours of seminar per week.

SOC 567 SEMINAR IN SOCIOLOGY OF LAW (3). 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. Three hours of seminar per week.

SOC 568 SEMINAR IN CRIMINOLOGY (3). 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. Three hours of seminar per week.

SOC 569 SEMINAR IN JUVENILE DELINQUENCY (3). Investigation of the causes, nature and consequences of Juvenile Delinquency from a sociological perspective. Reading and discussion of theoretical studies and empirical research. Three hours of seminar per week.

SOC 595 SPECIAL TOPICS IN SOCIOLOGY (3).* A course designed to consider sociological analysis 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 6 units. Three hours of seminar per week.

SOC 596 PRACTICUM IN TEACHING SOCIOLOGY (3). *Prerequisites: Classified graduate standing.* 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. One hour of lecture and four hours of activity per week.

SOC 597 DIRECTED READING (1,3).* Independent reading under direction of supervising faculty member in sociology.

SOC 598 DIRECTED RESEARCH (1,3).* Independent research under the direction of a member of the Sociology faculty.

SOC 599 GRADUATE CAPSTONE IN SOCIOLOGY (1-5).* *Prerequisites: SOC 505, SOC 555, SOC 511 or SOC 550 and Advancement to Candidacy in Sociology Graduate Program is required.* Supervised thesis, special project, or comprehensive examination in sociology.

SOC 600 GRADUATE CONTINUATION COURSE (0). Graduate students who have completed their coursework but not their thesis, project, or comprehensive examination, or who have other requirements remaining for the completion of their degree, may maintain continuous attendance by enrolling in this course. Signature of graduate program coordinator required.

*Repeatable course.



SPANISH

BACHELOR OF ARTS

Language and Literature Option
Public Service Option

MINOR

Spanish
Liberal Studies Bilingual Spanish Concentration

CERTIFICATE

Spanish for Public Service

SINGLE SUBJECT WAIVER PROGRAM

Foreign Language - Spanish

FACULTY

Frances Lauerhass, Department Chair (Foreign Languages) José Cuervo, Raúl Romero, Porfirio Sánchez, Luz Watts

Jane Lexow, Department Secretary (Foreign Languages)
HFA E-309, (213) 516-3315 or 516-3316

PROGRAM DESCRIPTION

The major in Spanish at CSU Dominguez Hills provides students with a solid foundation in the Spanish language. Ever-increasing opportunities exist to use a knowledge of Spanish in the career of their choice. Indeed, as the number of Spanish-speaking residents in the Greater Los Angeles area continues to grow, so too do the career opportunities available to Spanish majors.

The Spanish major provides students with a choice of two options: Language and Literature, or Public Service. The option in Language and Literature more closely parallels the "traditional" major in Spanish and prepares students who intend to continue their studies in Spanish in graduate school, working towards a master's degree or a doctorate in Spanish or Hispanic Literature, Civilization or Linguistics. This option also is designed to train students who plan to teach Spanish in secondary schools or at the community college level.

The option in Public Service is designed to meet the needs of students who plan careers in social service work in the Southwestern states in areas such as: police services, social work, nursing, municipal services and similar public services employment. This option also is suited to students who intend to work in civil service positions such as those offered by the U.S. Department of State and other government agencies with services abroad, or in areas of business where knowledge of another language is desirable.

A minor in Spanish also is 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.

In addition to the major and minor programs in Spanish, the Department of Foreign Languages offers a Spanish for Public Service Certificate Program. The Certificate Program can be completed by regular CSU Dominguez Hills students as well as by extension students who are not pursuing a bachelor's degree.

FEATURES

At present, the most urgent need for majors in Spanish is in the area of public school teaching, at both the elementary and secondary levels. There is an acute shortage of bilingual teachers in the Greater Los Angeles area. For students who plan to teach at the elementary level and who are majoring in Liberal Studies, the Spanish program provides a Liberal Studies Bilingual Spanish Concentration, which is particularly helpful for those potential elementary teachers who intend to seek bilingual certification. The Single Subject Waiver Program in Spanish is designed for

students who plan to teach Spanish at the secondary school level.

ACADEMIC ADVISEMENT

The Department of Foreign Languages is eager to provide all its students with the advisement they will need to continue their studies in a foreign language. Students may choose an advisor of their choice from the full-time faculty in Spanish or if preferred, come to the department office and be assigned an advisor. An advisor can be helpful in choosing the Spanish course best suited to the background and needs of each student. If necessary, the advisor will provide the student with a placement exam.

Students are urged to see an advisor upon admission, upon completion of 60 semester units, and during the first semester of your senior year.

Academic advisors may refer their students to other student services when appropriate.

PREPARATION

High school students who plan to major or minor in Spanish are encouraged to take at least two years of Spanish in high school. Those who have completed four years of high school Spanish successfully may be able to begin their study of Spanish at CSU Dominguez Hills at the upper division level.

Community college transfer students planning to take upper division Spanish courses at CSU Dominguez Hills should have completed four semesters of college level Spanish successfully. Those who have taken fewer than four semesters of Spanish in a community college will be placed at an appropriate level by means of advisement.

STUDENT ORGANIZATIONS

Sigma Delta Pi: Membership in our Nu Psi Chapter of Sigma Delta Pi, the Spanish National Honorary Society, is open to students who have completed at least 18 upper-division semester units in Spanish including at least one upper-division course in literature or culture, and who have a 3.0 grade point average in all classes, including a 3.0 grade point average in all Spanish courses. Sigma Delta Pi seeks to honor those who seek and attain excellence in the study of Spanish language, literature and culture; to honor those who strive to make Hispanic contributions to modern culture better known in the world in general; to encourage college students to acquire a greater interest in and deeper understanding of Hispanic culture; and to foster friendly relations and mutual respect between Spanish-speaking nations and other peoples of the world.

Students interested in applying for membership should consult the chair of the Department of Foreign Languages.

Círculo Hispanico: This organization is open to all students who are interested in Spanish. There are no formal requirements for membership. Círculo Hispanico sponsors a weekly Mesa de Español that provides students an opportunity to practice Spanish in an informal setting, as well as social and cultural events such as trips to Mexico. For details, please consult the department secretary or your Spanish instructor.

MAJOR REQUIREMENTS - BA

Common Core Requirements (15-27 units)

Lower Division Requirements (0-12 units)

- SPA 110-111. Beginning Spanish I and II (3,3)
- SPA 220-221. Intermediate Spanish I and II (3,3)

NOTE: Students who have completed two, three or four years of high-school or community college Spanish and who pass a proficiency test will be placed in the appropriate semester of college Spanish. Consult a departmental advisor for details.

Upper Division Requirements (15 units)

- SPA 305. Advanced Composition, Syntax, and Stylistics (3)
- SPA 311. The Structure of Spanish (3)
- SPA 340. Practical Spanish for Interpreters and Translators (3) or
- SPA 341. Advanced Conversation (3)
- SPA 350. Contemporary Hispanic Culture: Spain (3) or
- SPA 351. Contemporary Hispanic Culture: Spanish-Speaking America (3)
- SPA 490. Seminar in Special Topics in Spanish or Spanish-American Literature (3)+

LANGUAGE AND LITERATURE OPTION (27-39 units)

A. Completion of Common Core Requirements (15-27 units)

B. Upper Division Requirements (12 units)

- SPA 330. Interpreting Hispanic Literature (3)
- SPA 454. Cervantes: Don Quijote (3)

Plus two upper division courses listed in Spanish offerings of which at least one must be in literature.

PUBLIC SERVICE OPTION (27-39 units)

A. Completion of Common Core Requirements (15-27 units)

B. Upper Division Requirements (12 units)

- SPA 302. Commercial Spanish (3)
- SPA 314. Spanish Phonology (3)
- SPA 320. Bilingual Community Internship (3)+
- SPA 435. A Sociolinguistic Approach to Mexican-American Dialect (3)

MINOR REQUIREMENTS

MINOR IN SPANISH (12-24 units)

Lower Division Requirements (0-12 units)

- SPA 110-111. Beginning Spanish I and II (3,3)
- SPA 220-221. Intermediate Spanish I and II (3,3)

NOTE: Students who have completed two, three or four years of high-school or community college Spanish and who pass a proficiency test will be placed in the appropriate semester of college Spanish. Consult a departmental adviser for details.

Upper Division Requirements (12 units)

- SPA 305. Advanced Composition, Syntax, and Stylistics (3) or
- SPA 341. Advanced Conversation (3)
- SPA 311. The Structure of Spanish (3) or
- SPA 314. Spanish Phonology (3)
- SPA 330. Interpreting Hispanic Literature (3) or
- SPA 453. The Literature of Spain (3) or
- SPA 456. Literature of Spanish America (3)
- SPA 350. Contemporary Hispanic Culture: Spain (3) or
- SPA 351. Contemporary Hispanic Culture: Spanish-Speaking America (3)

LIBERAL STUDIES BILINGUAL SPANISH CONCENTRATION (12-24 units)

Lower Division Requirements (0-12 units)

- SPA 110. Beginning Spanish I (3)
- SPA 111. Beginning Spanish II (3)
- SPA 220. Intermediate Spanish I (1)
- SPA 221. Intermediate Spanish II (3)

NOTE: Students who have completed two, three or four years of high-school or community college Spanish and who pass a proficiency test will be placed in the appropriate semester of college Spanish. Consult a departmental adviser for details.

Upper Division Requirements (12 units)

Required Courses (9 units)

- SPA 305. Advanced Composition, Syntax, and Stylistics(3)
- SPA 341. Advanced Conversation (3)
- SPA 350. Contemporary Hispanic Culture: Spain (3) or SPA 351. Contemporary Hispanic Culture: Spanish-Speaking America (3)

Choose one of the following (3 units):

- SPA 314. Spanish Phonology (3)
- SPA 400. Teaching School Subject Matter in Spanish (3).

CERTIFICATE REQUIREMENTS

SPANISH FOR PUBLIC SERVICE CERTIFICATE PROGRAM (15 units)

Southern California has become one of the world's largest Spanish-speaking communities. The Spanish for Public Service Certificate Program consists of five courses and provides basic speaking, reading, and writing skills in Spanish for those individuals who deal with native Spanish-speakers in the course of their daily work. An additional objective is to increase the participant's understanding of the Hispanic community, thus encouraging improved relationships between employees and the Spanish-speaking public they serve.

Students enroll in two Spanish courses per semester (in two of three semesters of the program). One of these is a Spanish language and culture course, and the other (SPA 320) is a Spanish language internship that reinforces newly acquired Spanish skills throughout the program. Students may utilize their own employment or volunteer activity as an internship for the Certificate Program if it fulfills requirements. Students not presently interfacing with Spanish-speaking clientele will be placed in volunteer Spanish language positions. The five-course program requires three semesters to complete and comprises 15 units.

The Spanish for Public Service Certificate Program is open to the public through the University's Division of Extended Education. Courses are offered during evening hours and on weekends to accommodate work schedules.

Lower Division Requirements (9 units)

- SPA 105. Career-Related Spanish I (3)
- SPA 106. Career-Related Spanish II (3)
- SPA 230. Spanish Conversation (3)

Upper Division Requirements (6 units)

- SPA 320. Bilingual Community Internship (3,3)+

SINGLE SUBJECT WAIVER PROGRAM

REQUIREMENTS FOR THE SINGLE SUBJECT WAIVER PROGRAM IN SPANISH (48 units)

The Single Subject Waiver Program in Spanish is designed for students interested in a career in teaching Spanish at the secondary school level. This program satisfies the requirements set by the State Commission on Teacher Credentialing for demonstrating substantive preparation in the subject matter field of Spanish. Completion of an approved waiver program or passing The National Teachers Examination in the subject matter field fulfills one part of the requirements leading to the Single Subject Teaching Credential in Spanish. While the waiver in Spanish is not an academic major, credits earned toward a major in Spanish can be used to meet most of the requirements of the waiver program. Students interested in pursuing a teaching career at the secondary level should meet regularly with the designated departmental waiver program advisor.

Lower Division Requirements (12 units)

- SPA 110. Beginning Spanish I (3)
- SPA 111. Beginning Spanish II (3)
- SPA 220. Intermediate Spanish I (3)
- SPA 221. Intermediate Spanish II (3)

Upper Division Requirements (36 units)

- SPA 305. Advanced Composition, Syntax, and Stylistics (3)
- SPA 311. The Structure of Spanish (3)
- SPA 314. Spanish Phonology (3)
- SPA 330. Interpreting Hispanic Literature (3)
- SPA 341. Advanced Conversation (3)
- SPA 350. Contemporary Hispanic Culture: Spain (3)
- SPA 351. Contemporary Hispanic Culture: Spanish-Speaking America (3)
- SPA 400. Teaching School Subject Matter in Spanish (3)
- SPA 435. A Sociolinguistic Approach to Mexican-American Dialect (3)
- SPA 453. The Literature of Spain (3) or SPA 456. Literature of Spanish America (3)
- SPA 454. Cervantes: Don Quijote (3)
- SPA 490. Seminar in Special Topics in Spanish or Spanish-American Literature (3)

COURSE OFFERINGS IN SPANISH

Lower Division

SPA 105 CAREER-RELATED SPANISH I (3). Basic communication skills in Spanish for persons currently working or planning a career in education, business, allied health fields, social welfare, as well as other sectors of the world of work. Three hours of lecture per week.

SPA 106 CAREER-RELATED SPANISH II (3). *Prerequisite:* SPA 105. A continuation of Spanish 105. Three hours of lecture per week.

SPA 110 BEGINNING SPANISH I (3). Basic instruction in Spanish. Training in speaking, listening, reading, and writing for students who have had no previous work in Spanish. Three hours of lecture per week.

SPA 111 BEGINNING SPANISH II (3). *Prerequisites:* SPA 110 or equivalent. A continuation of Spanish 110. Three hours of lecture per week.

SPA 151 INTRODUCTION TO HISPANIC CULTURE (3). Introduction to Hispanic Culture. A designated geographical area studies course focusing on patterns of culture in the Spanish-speaking world. Specific topic will vary from semester to semester; for example, Mexico and the Southwestern U.S., or Contemporary Spain. Conducted in English. Three hours of lecture per week.

SPA 220 INTERMEDIATE SPANISH I (3). *Prerequisite:* SPA 111 or equivalent. A continuation of Spanish 111, with emphasis on oral communication skills. Three hours of lecture per week.

SPA 221 INTERMEDIATE SPANISH II (3). *Prerequisite:* SPA 220 or equivalent. A continuation of Spanish 220, with emphasis on reading and writing. Three hours of lecture per week.

SPA 230 SPANISH CONVERSATION (3).* Highly individualized self-paced course taught with the Foreign Service Institute tapes and materials. Particularly suited for teachers and teacher trainees. Repeatable up to a maximum of 6 units. Completion of volumes I and II equivalent to Spanish 110, 111, 220. Three hours of lecture per week.

Upper Division

SPA 302 COMMERCIAL SPANISH (3).* *Prerequisite:* Knowledge of Spanish. Instruction in writing correct business communications in Spanish. Emphasis on vocabulary acquisition. Close examination of daily cultural patterns as reflected in the commercial field. Three hours of lecture per week.

SPA 305 ADVANCED COMPOSITION, SYNTAX, AND STYLISTICS (3). *Prerequisite:* SPA 221 or consent of instructor. A reading, composition, and discussion course concerned with elements of style and syntax, with emphasis on creative writing by the students. Three hours of lecture per week.

SPA 310 THE STUDY OF LANGUAGE (3). Traditional and modern approaches to the study of language; fundamentals of phonology and grammar. (Same as English 310 and French 310.) Three hours of lecture per week.

SPA 311 THE STRUCTURE OF SPANISH (3). An analysis of the sounds, formations, and routines of the language, focusing on global characteristics of Spanish that English speakers need to acquire. Selected language acquisition problems of English speakers featured. Three hours of lecture per week.

SPA 314 SPANISH PHONOLOGY (3). *Prerequisite:* SPA 310 is recommended. A beginning course in the segmental and suprasegmental phonetic systems: phonological pronunciation phenomena of standard and regional Spanish. Three hours of lecture per week.

SPA 320 BILINGUAL COMMUNITY INTERNSHIP (3).* *Prerequisite:* Consent of instructor. Participation in an off-campus internship directly servicing monolingual Spanish-speaking persons. Provides experience for persons who are developing reasonable communication skills in Spanish in a commercial or public service setting. May be repeated to a maximum of 9 units. An average of two hours of lecture per week plus field work. CR/NC grading.

SPA 330 INTERPRETING HISPANIC LITERATURE (3). *Prerequisite:* SPA 221 or equivalent. Analysis and interpretation of representative Hispanic prose, poetry, and drama. Three hours of lecture per week.

SPA 340 PRACTICAL SPANISH FOR INTERPRETERS AND TRANSLATORS (3). *Prerequisite:* SPA 305 or equivalent. 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. Three hours of lecture per week.

SPA 341 ADVANCED CONVERSATION (3). *Prerequisite:* SPA 221 or equivalent. 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. Three hours of lecture per week.

SPA 350 CONTEMPORARY HISPANIC CULTURE: SPAIN (3). *Prerequisite:* SPA 221 or equivalent. An area studies course focusing on patterns of culture in contemporary Spain. Three hours of lecture per week.

SPA 351 CONTEMPORARY HISPANIC CULTURE: SPANISH-SPEAKING AMERICA (3).* *Prerequisite:* SPA 221 or equivalent. A designated geographical area studies course focusing on patterns of culture in the Spanish-speaking world. Specific topics may vary from semester to semester. Norms, inter-group relations, institutions, language, and societal values of rural and urban people. Three hours of lecture per week.

SPA 352 HISPANIC CULTURE: A PLURALISTIC PERSPECTIVE (3). A designated geographical area studies course focusing on patterns of contemporary cultures in the Spanish-speaking world. Emphasis on exploration of cross-cultural commonalities and differences in Spain, Mexico, the Caribbean, Central and South America, and the U.S. Southwest. Conducted in English. Three hours of lecture per week.

SPA 400 TEACHING SCHOOL SUBJECT MATTER IN SPANISH (3). *Prerequisite:* Knowledge of Spanish or consent of instructor. Vocabulary and materials used in elementary or secondary schools for teaching reading, writing, mathematics, science, and social studies in Spanish. Aspects and problems of language acquisition and linguistic transitions made by English speakers acquiring Spanish proficiency. Required for credential candidates. Three hours of lecture per week.

SPA 435 A SOCIOLINGUISTIC APPROACH TO MEXICAN-AMERICAN DIALECT (3). Identification of characteristic linguistic difficulties of Spanish-speaking children correlated to social-cultural background. Contrastive analyses of the linguistic competencies and performances for these children learning English. Three hours of lecture per week.

SPA 453 THE LITERATURE OF SPAIN (3).* *Prerequisite:* SPA 221 or equivalent is required; SPA 330 is recommended. Readings and analysis of Spanish literary works in all genres. Topic varies from semester to semester. Three hours of lecture per week.

SPA 454 CERVANTES: DON QUIJOTE (3). *Prerequisite:* SPA 330 or equivalent. Reading and analysis of the major work of Spanish literature. Three hours of lecture per week.

SPA 456 LITERATURE OF SPANISH AMERICA (3).* *Prerequisite:* SPA 221 or equivalent is required; SPA 330 is recommended. Readings and analysis of selected works of Spanish-American literature. Course content may cover a single country or a literary movement or genre as represented in various Spanish-American countries. Topic varies from semester to semester. Three hours of lecture per week.

SPA 461 LECTURAS MEXICANAS Y MEXICO-AMERICANAS (3). *Prerequisite:* SPA 221 or equivalent is required; SPA 330 is recommended. Readings and analysis of Mexican and Mexican-American literary works in all genres. Specific genre and country will vary from semester to semester. Three hours of lecture per week.

SPA 490 SEMINAR IN SPECIAL TOPICS IN SPANISH OR SPANISH-AMERICAN LITERATURE (3).* *Prerequisite:* SPA 330 or equivalent or consent of instructor. Intensive study of a single author, a literary movement, a literary genre, or a single literary work. Three hours of seminar per week.

SPA 494 INDEPENDENT STUDY (3).* *Prerequisite:* B average in Spanish; consent of instructor and department chair. Independent study of a literary or linguistic problem, an author, or a literary movement.

Graduate

Graduate standing or consent of the graduate program coordinator is prerequisite to enrollment in graduate (500 level) courses.

SPA 594 INDEPENDENT STUDY (1-3). *Prerequisites: Consent of department chair and faculty advisor.* In consultation with a faculty member, the student will investigate, in detail, current scholarship in selected area(s) or will undertake a project involving original research or creative study.

SPA 597 DIRECTED READING (1-3).* *Prerequisites: Consent of department chair and faculty advisor.* Extensive reading in selected areas under the guidance of a faculty member.

*Repeatable course.



SPECIAL MAJOR AND MINOR

BACHELOR OF ARTS

BACHELOR OF SCIENCE

MINOR

MASTER OF ARTS INTERDISCIPLINARY STUDIES

MASTER OF SCIENCE INTERDISCIPLINARY
STUDIES

FACULTY

Undergraduate

Kenneth Gash, Associate Dean of Academic Affairs
ERC F-503, (213) 516-3308

Graduate

Carol D. Guze, Associate Vice President of Academic Affairs and
Dean of Graduate Studies
ERC F-503, (213) 516-3308

GENERAL DESCRIPTION

Students who have academic or professional goals that are not easily met by one of the regular degree programs at CSU Dominguez Hills may find that one of the undergraduate Special Majors programs or graduate Interdisciplinary Studies special major is more suitable to their unique needs and interests. Through these programs, students can integrate studies from two (or more) departments or schools, either concentrating on each equally or choosing one department or option as the primary emphasis with the other(s) as secondary.

Both undergraduate Special Major and graduate Interdisciplinary Studies programs are intended to be focused, pre-planned progressions toward well-defined objectives. A Special Major or Minor student will need an appropriate advisory committee chosen from the departments involved. The program of study for either the undergraduate Special Major/Minor or the graduate Interdisciplinary Studies major must be chosen from the represented departments and must be supportable by 1) courses already offered in the regular degree programs; and 2) the expertise of members of CSU Dominguez Hills permanent faculty.

RESTRICTIONS

There are some restrictions with regard to the Special Major/Minor. Specific restrictions are described under each program; general restrictions include the following:

Undergraduate Special Major.

This major is not to be used to:

1. substitute for a recognized undergraduate major offered by the University.
2. bypass normal graduation requirements.
3. serve as an alternative to a program in which the student is in academic difficulty.

Graduate Interdisciplinary Studies

This graduate option cannot be granted if the student's objective(s) can be met by other colleges or universities in the Los Angeles area, nor can it be used in place of degree requirements or graduate degree programs already offered on campus.

A student working toward the Special Major, undergraduate or Interdisciplinary Studies graduate, is subject to the University's

policies and must complete all academic requirements prescribed by the University.

FEATURES

For selected students, the Interdisciplinary Studies Special Major programs provide an opportunity to pursue an individualized course of study in order to attain a bachelor of arts/science or a master of arts/science degree. Thus, such a program would enable students to cut across regular academic areas to develop an integrated major, minor or graduate option tailored to their own educational and career goals.

Each Special Major (or minor) or graduate IDS has a specially appointed faculty Advisory Committee. This committee works with and gives special attention to the student. With careful planning, most programs of study can be completed by attending evening and/or daytime classes.

Programs at both the bachelors and masters level provide students with three unique features:

1. the ability to create an educationally sound and intellectually rich program of study that answers the student's own particular needs, including career needs;
2. a course of study that draws upon the diverse curriculum of the University yet focuses on study areas of particular interest;
3. the opportunity to work closely with a selected group of faculty advisors.

ACADEMIC ADVISEMENT

Undergraduate

Undergraduate students who wish to pursue a Special Major or Minor, MUST contact the associate dean of Academic Affairs (SCC E-173, 516-3640). The coordinator will assist the student in contacting an appropriate faculty advisor.

Graduate

The dean of Graduate Studies coordinates the Graduate Interdisciplinary Studies major. Students interested in pursuing this program, should phone (213) 516-3693 for an appointment.

UNDERGRADUATE SPECIAL MAJOR/MINOR

Preparation

Since students must prepare a proposal in consultation with a faculty advisor and obtain approval from that advisor, members of the Advisory Committee, appropriate deans and the associate dean of Academic Affairs before taking the courses comprising the major/minor, it is imperative that they do the necessary planning and paperwork as early as possible. Students should complete all lower division General Studies/General Education requirements before beginning Special Major or Minor coursework.

Procedures for Declaring an Undergraduate Special Major or Minor

To initiate a Special Major or Minor, contact an appropriate faculty advisor directly or ask the assistance of the associate dean of Academic Affairs in locating an advisor. In consultation with this advisor, prepare a proposal for either the undergraduate Special Major or minor program. Proposal forms are available from the associate dean of Academic Affairs (SCC E-173, 516-3640). The proposal must include:

1. a written statement giving reasons for undertaking the Special Major or Minor in terms of academic and professional goals and explaining (a) why these goals cannot be met through the standard programs of the campus and (b) how they may be best pursued in a special program;
2. a tentative listing of courses and/or competencies that would, in the judgement of the student and his/her advisor, lead to the accomplishment of the stated goals.

The two-part proposal is then forwarded by the advisor to the appropriate academic deans(s), who appoint(s) faculty members

from the major fields of interest to serve with the advisor on a Special Major or Minor Advisory Committee. The committee reviews and approves the two-part proposal and subsequently monitors the student's progress in the program once final approval is granted. After the Advisory Committee's initial approval of the proposal, it is forwarded in succession to the associate dean of Academic Affairs, to the appropriate dean(s) and to the vice president, Academic Affairs. Upon final approval, the proposal is returned to the associate dean of Academic Affairs. The student is not enrolled as a Special Major or Minor until this formal procedure is completed.

SPECIAL MAJOR REQUIREMENTS - BA/BS (minimum 24 units)

Special Major Guidelines

1. Students must formally request admission to a Special Major Program following the procedures described above for declaring a Special Major or Minor.
2. Students may not use a Special Major to substitute for a recognized degree program not offered at CSU Dominguez Hills, e.g. Nursing.
3. The Special Major may not be used to bypass normal graduation requirements.
4. Students may not substitute the Special Major for a major in which they are having academic difficulty.
5. A student working toward the special major is subject to university-wide policy relative to admission, scholastic standards and graduation requirements.
6. In order to be admitted to the Special Major Program, students are required to have more than one full year of academic work still to be completed to meet minimum degree requirements. **That is, students will not be admitted to the undergraduate Special Major unless they have 31 or more semester units to complete out of a total of 124 semester units.**
7. The minimum requirement for the Special Major degree is a program of at least 24 semester units of upper division work recommended by a student's major advisor.
8. Students **cannot** use the following types of courses to meet the minimum degree requirements for the undergraduate Special Major: neither (1) upper division or lower division courses used to meet General Studies requirements, nor (2) professional educational courses, nor (3) graduate courses (500 level).
9. The requirement of a minor is applicable to all special major undergraduate students.
10. Students may not also pursue a Special Minor.

SPECIAL MINOR REQUIREMENTS - (15 units)

1. Students must follow the formal procedures for declaring a Special Major or Minor.
2. Students may not pursue a Special Minor if they also have a Special Major.
3. A Special Minor must contain at least 15 upper division semester units, at least 10 of which must be taken after the proposal is approved.
4. Students **cannot** use the following types of courses to meet the minimum requirements for the Special Minor: Neither (1)

upper division or lower division courses used to meet General Studies requirements, nor (2) professional educational courses.

GRADUATE INTERDISCIPLINARY STUDIES REQUIREMENTS - MA/MS

The Advisory Committee, which consists of three faculty members and the dean of Graduate Studies, helps the student prepare a program of study. The program of study must:

1. be in support of the student's major objectives as specified in the accepted program. (If a bachelor's degree and/or background does not adequately prepare the student for the proposed program, he/she may be required to take additional prerequisite coursework before admission to the program);
2. include a minimum of 30 upper division and graduate level semester units approved by the dean of Graduate Studies;
3. include a minimum of 15 semester units of 500 level courses with the balance or the units in 400 level courses;
4. include no lower division courses.
5. include no undergraduate courses in lieu of comparable graduate level courses;
6. include no more than 70 percent of the units from any one department;
7. make provision for a capstone activity (thesis, project or comprehensive examination). A description of the proposed capstone activity, signed by the student's committee, must be attached to the application form. Satisfactory completion of this requirement will be determined and certified by the Advisory Committee and the dean of Graduate Studies;
8. include no more than three (3) thesis units. Descriptions of the Capstone Activity courses, signed by the faculty advisor must be attached to the program-of-study;
9. include no more than nine (9) units of work completed prior to approval of this program*;
10. include no more than four (4) units of independent study type courses. Descriptions of these courses, signed by the faculty advisor must be attached to the program-of-study.*

*Any units in excess of the maximum cannot be counted in the required 30 units.

The student's transcripts will read: M.A./M.S. Interdisciplinary Studies in (the focus or theme of study in three words or less); the use of the name of an academic unit must first be approved by the unit and the Dean of Graduate Studies.

Students wishing to alter their program after it has been approved must repeat the same review process: they need to secure the approval of their Advisory Committee, the approval of the appropriate graduate coordinator(s), and the dean of Graduate Studies, prior to any change.

THEATRE ARTS

BACHELOR OF ARTS

Performance Option

General Option

Technical Theatre and Stage Design Option

MINOR

Performance

General

Speech

SINGLE SUBJECT WAIVER PROGRAM

(see entry under English)

FACULTY

Rex Heuschkel, Department Chair

Peter Rodney, Jack A. Vaughn, Sydell Weiner

Anita Porter, Department Secretary UTC A-101, (213) 516-3588

PROGRAM DESCRIPTION

The Theatre Arts Program at CSU Dominguez Hills offers a newly revised curriculum in theatre arts that includes the opportunity of majoring in one of three tracks: a Performance Option, a General Option or a Technical Theatre and Stage Design Option. Additionally, a theatre arts major in either the Performance or General Option may choose the other option as a minor field of concentration.

Courses are offered in the fields of acting and directing, design and technical theatre, theatre history, dramatic literature, speech, dance, children's theatre and others. Course requirements for both the major and the minor programs provide for flexibility and allow students considerable choice in planning their academic careers.

All theatre arts majors and minors participate in the program's ambitious production program through acting, scenery design and construction, lighting, stage management, box office, the student-directed, one-act program, and other areas. Academic credit is provided for such participation.

The **Performance Option** is designed to provide students with an intensive study of acting over a three-year period, while offering at the same time a basic familiarity with the literature and history of the theatre. A student normally will undertake this three-year acting curriculum in his/her freshman or sophomore year, although entry into the program at the upper division level may be allowed after consultation with an advisor.

The **General Option** in theatre arts is designed to provide students with an overview of the various areas of drama and theatre, including acting, speech, technical theatre, history and literature. This major, in combination with any of the many minor fields offered in the University curriculum, can prepare students for a variety of experiences in teaching, graduate study, communications and the entertainment industry.

The **Technical Theatre and Stage Design Option** is designed to provide students with specific competencies necessary for the education of the successful technical theatre student. These include the ability to draw, paint, design and construct sets, design and execute costumes, apply makeup, operate lighting and sound equipment, and generally be able to perform any technical function at a professional level. Evaluation of these competencies will be effected not only through classroom projects, but in the arena of live theatre, before live audiences — the true training ground of the theatre artist.



FEATURES

Both majors and minors participate in an ambitious production program and receive individual attention from faculty to a degree seldom possible in larger universities. Also, the ability of a freshman or sophomore theatre arts major to secure a leading role in a major production assignment is far more likely than at a larger university.

Approximately five major productions are presented each season, including contemporary plays, musicals, works from the classic repertory, and children's theatre productions. Plays are staged in the award-winning University Theatre, a proscenium facility with modern lighting and sound systems, scene shop, costume lab, dressing rooms, offices and rehearsal studio, with experimental and student production activity. Currently under construction is a fully equipped flexible theatre to be centered in the new Student Union.

ACADEMIC ADVISEMENT

The Theatre Arts program places great importance on the advisement process. We request that students, upon completion of 60 semester hours, meet with their respective advisors for consultation concerning the remainder of their time at the University. Advisement is far more than simply answering the question, "Which course shall I take?" Advisors serve as career counselors, concerned friends, and professionals who help bridge

the gap between the world of the university and the world of the working artist. Advisors are resources to be cultivated and used for the betterment of the student.

PREPARATION

The Theatre Arts program strongly suggests that students wishing to major in any of the three Theatre Arts options available be able to deal effectively with the English language. Six to eight courses of college preparatory English are advised. In addition, students should have a strong background in vocal skills and basic movement capabilities. Therefore, students are urged to take courses in speech, diction, dance, fencing and physical education. Awareness and development of the human body and voice are equally as important as the development of the human mind. The theatre affects and makes use of the whole person. Any and all courses that will promote this use are suggested.

CAREER POSSIBILITIES

The field of acting as a whole is expected to grow faster than the average of all occupations according to the most recent projections of the U.S. Department of Labor. Future possibilities for growth lie in recent endowments to the arts and the establishment of year-round professional acting companies in cities. The number of such acting groups is growing. Recent growth of summer and winter stock companies, outdoor and regional theatre, repertory companies and dinner theatres also has increased employment opportunities. Dinner theatres presently represent the fastest growing area of employment for actors and actresses in this country. There may be increased employment prospects as a result of expansion of the Public Broadcasting System (PBS), UHF stations and cable TV. Commercial television employs a large number of actors and actresses as well as other talented personnel in this relatively new industry. Opportunities also exist in university theatre and community recreation programs.

Related careers and occupations available to graduates of the CSU Dominguez Hills Department of Theatre Arts include: actor, actress, costumer, playwright, fashion designer, set designer, lighting designer, director, producer, theatre historian, technician, theatre manager, makeup artist, drama coach, teacher, announcer, recreation director, dancer, musician, entertainer, public relations person, sales representative, model, merchandising person, lawyer, critic, carpenter, press agent, dramatic agent.

STUDENT ORGANIZATIONS

The Theatre Arts Student Club (TASC) established in 1983, fosters student interest and participation in the dramatic arts on campus. TASC helps promote a closer relationship between theatre students and the theatre arts faculty.

MAJOR REQUIREMENTS - BA

Common Core Requirements (20 units)

Lower Division Requirements (8 units)

- THE 190. Theatre Studies I: Introduction to Theatre (3)
- THE 243. Stagecraft (3)
- THE 260. Beginning Acting: Fundamentals of Acting I (2)

Upper Division Requirements (12 units)

- THE 350. Theatre Hour (1, 1, 1)
- THE 355. Theatre Studies III: History of the Theatre I (3)
- THE 357. Theatre Studies IV: History of the Theatre II (3)
- THE 490. Seminar in Theatre Arts (3)

(In addition to the Core listed above, a final project, to be decided in consultation with an adviser, is required of all Theatre Arts majors.)

PERFORMANCE OPTION (39 units)

A. Completion of Common Core Requirements (20 units)

B. Lower Division Requirements (2 units)

- THE 261. Beginning Acting: Fundamentals of Acting II (2)

C. Upper Division Requirements (17 units)

- THE 340. Rehearsal and Performance (1, 1, 1)
- THE 341. Production Activity (1)
- THE 360. Intermediate Acting I: Improvisational Approach to Character (2)
- THE 361. Intermediate Acting II: Script Analysis (3)
- THE 370. Fundamentals of Directing (3)
- THE 460. Advanced Acting I: Period Style (2)

Plus three upper-division units in Theatre Arts (3 units)

Suggested: THE 452. Theatre Studies V: Tragedy and Comedy (3) Also recommended: THE 244 (2), THE 262 (2), and THE 461 (2)

GENERAL OPTION (39 units)

A. Completion of Common Core Requirements (20 units)

B. Lower Division Requirements (3 units)

- THE 250. Theatre Studies II: Modern Theatre (3)

C. Upper Division Requirements (16 units)

- THE 322. Oral Interpretation of Literature (3)
- THE 340. Rehearsal and Performance (1)
- THE 341. Production Activity (1, 1, 1)
- THE 353. Playwriting (3)
- THE 452. Theatre Studies V: Tragedy and Comedy (3)

Plus three upper-division units in Theatre Arts (3 units)

Suggested: THE 320. Speech Skills and Techniques (3), or THE 345. Costuming (3), or THE 348. Stage Lighting (3)

TECHNICAL THEATRE AND STAGE DESIGN OPTION (40 units)

A. Completion of Common Core Requirements (20 units)

B. Lower Division Requirements (6 units)

- ART 171. 3-D Composition (3)
- ART 179. Drawing I (3)

C. Upper Division Requirements (14 units)

- THE 341. Production Activity (1, 1, 1, 1, 1)
- THE 345. Costuming (3)
- THE 348. Stage Lighting (3)
- THE 349. Scenery Design (3)

MINOR REQUIREMENTS

PERFORMANCE OPTION (14 units)

Lower Division Requirements (2 units)

THE 260. Beginning Acting: Fundamentals of Acting I (2)

Upper Division Requirements (12 units)

- THE 340. Rehearsal and Performance (1, 1)
 THE 350. Theatre Hour (1, 1)
 THE 360. Intermediate Acting I: Improvisational Approach to Character (2)
 THE 361. Intermediate Acting II: Script Analysis (3)
 THE 452. Theatre Studies V: Tragedy and Comedy (3)

GENERAL OPTION (12 units)

Upper Division Requirements (12 units)

A. Required upper division courses (10 units)

- THE 341. Production Activity (1, 1)
 THE 350. Theatre Hour (1, 1)
 THE 355. Theatre Studies III: History of the Theatre I (3) or
 THE 357. Theatre Studies IV: History of the Theatre II (3)
 THE 452. Theatre Studies V: Tragedy and Comedy (3)

B. Plus two additional upper-division units in Theatre Arts (2 units)

MINOR IN SPEECH (17 units)

Lower Division Requirements (2 units)

THE 120. Fundamentals of Speech (2)
 (also a General Studies requirement)

Upper Division Requirements (15 units)

- THE 322. Oral Interpretation of Literature (3)
 THE 323. Interpersonal Communication (3)
 THE 326. Argumentation and Debate (3)

Select six units from the following:

- THE 320. Speech Skills and Techniques (3)
 THE 325. Intercultural Communication (3)
 THE 328. Reader's Theatre (3)
 THE 329. Forensics Workshop (2) (Up to 4 units of
 THE 329 may be applied to the minor)

Recommended Courses

- SOC 101. The Individual in Society (3)
 SOC 341. Seminar in Small Groups (3)
 THE 261. Beginning Acting: Fundamentals of Acting II (2)

COURSE OFFERINGS IN THEATRE ARTS

Lower Division

THE 100 TELEVISION, FILM, AND THEATRE (3). Appreciation of the performing arts of television, film, and the live theatre through the viewing of films and videotapes, as well as attendance at plays and musicals. Three hours of lecture per week.

THE 120 FUNDAMENTALS OF SPEECH (2). Basic oral communication skills, with practice in a variety of speech-oriented situations. One hour of lecture and two hours of activity per week.

THE 160 ACTING FOR NON-MAJORS (3). Introductory course for non-majors who wish to develop awareness and control of the voice and body while building self-confidence, and improving concentration and imagination. Three hours of lecture per week.

THE 190 THEATRE STUDIES I: INTRODUCTION TO THEATRE (3). An introductory survey of theatre history, literature, and contemporary practice. Three hours of lecture per week.

THE 243 STAGECRAFT (3). Fundamentals of technical theatre practice, including scenery, basic lighting, rigging, and stage management. Three hours of lecture per week.

THE 244 STAGE MAKEUP (2). Theory and practice of makeup for the stage and for television. Practical application through lab work and participation in makeup for campus productions. One hour of lecture and two hours of activity per week.

THE 250 THEATRE STUDIES II: MODERN THEATRE (3). Modern theatrical styles and movements. Study of important modern and contemporary producers and theorists. Three hours of lecture per week.

THE 260 BEGINNING ACTING: FUNDAMENTALS OF ACTING I (2). Introductory course in acting. Includes work in theatre games, improvisation, and some limited scene work. One hour of lecture and two hours of activity per week.

THE 261 BEGINNING ACTING: FUNDAMENTALS OF ACTING II (2). *Prerequisite:* THE 260. Continuation of Theatre Arts 260. Study of the process of role analysis and its application by the actor in performance. One hour of lecture and two hours of activity per week.

THE 262 VOICE AND DICTION (2). Intensive instruction in voice production, range expansion and control, sound formation and delivery. Selected vocal theorists such as Lessac and Linklater will be explored. One hour of lecture and two hours of activity per week.

Upper Division

THE 310 HISTORY OF DANCE (3). Evolution of the varying styles of dance from the primitive to the twentieth century. Three hours of lecture per week.

THE 320 SPEECH SKILLS AND TECHNIQUES (3). Effective and persuasive oral communication in a variety of situations: formal address, group discussion interviews, chairing of meetings, and others. Of particular value for Liberal Studies majors, managers and business persons. Three hours of lecture per week.

THE 322 ORAL INTERPRETATION OF LITERATURE (3). Principles and practice in the effective delivery of readings in drama, poetry, and prose. Three hours of lecture per week.

THE 323 INTERPERSONAL COMMUNICATION (3). *Prerequisite:* THE 120. Introductory study of interpersonal communication in face-to-face interaction; consideration of interpersonal roles, needs, barriers, perceptions, and adaptation. Three hours of lecture per week.

THE 325 INTERCULTURAL COMMUNICATION (3). Designed to develop effective intercultural-interracial communication skills through the study of individual, social, and cultural communication styles. The role of empathic listening, value systems, perception and culture upon human communication will be examined. Three hours of lecture per week.

THE 326 ARGUMENTATION AND DEBATE (3). Techniques of argumentation and their application to debate; logic, reasoning and fallacies of reasoning; gathering and testing of evidence, construction of bases, and skills of refutation; practical application through debates about current issues. Two hours of lecture and two hours of activity per week.

THE 328 READER'S THEATRE (3). *Prerequisite:* THE 120. Programming and presentation of prose, poetry and drama by an ensemble of readers. Emphasis is placed on experimental presentations and on the development of analytical insight into literary forms. Two hours of lecture and three hours of production per week.

THE 329 FORENSICS WORKSHOP (2).* Intercollegiate competition in debate, persuasive speaking, oral interpretation, reader's theatre, and other competition events. Independent projects in specialized fields. (Only 4 units may be used toward the minor.) Six hours of production per week.

THE 337 CREATIVE DRAMATICS (3). Creative dramatic activities, including theatre games, pantomime, and improvisation. Of particular value to prospective teachers of young children. Two hours of lecture and two hours of activity per week.

THE 340 REHEARSAL AND PERFORMANCE (1).* Practical experience in the performing of major and minor roles in productions of the campus theatres. Three-six hours of activity per week.

THE 341 PRODUCTION ACTIVITY (1-2).* Practical experience in technical theatre, including scenery, lighting, costume, props, theatre management, and running crews. Three hours of production per week.

THE 345 COSTUMING (3). Fundamentals of costume for stage, television, and film, including history of dress in the Western World, and costume construction. Two hours of lecture and two hours of activity per week.

THE 348 STAGE LIGHTING (3). *Prerequisite: THE 243 is recommended.* Fundamentals of lighting the stage, including theory and practical application. Three hours of lecture per week.

THE 349 SCENERY DESIGN (3). *Prerequisite: THE 243 is recommended.* Fundamentals of designing scenery for the stage including conceptualization, style, graphics, model-making, rendering and mechanics. Three hours of lecture per week.

THE 350 THEATRE HOUR (1).* Presents a variety of guest speakers, staff presentations, and performance situations for theatre majors and interested non-majors. Topics change each quarter and will include scenes and one-act presentations directed and acted solely by students. CR/NC grading. Two hours of activity per week.

THE 353 PLAYWRITING (3). Theory and practice in writing for the stage. Students explore plotting, characterization, and dialogue; scenes and short plays are submitted for discussion and evaluation. Three hours of lecture per week.

THE 355 THEATRE STUDIES III: HISTORY OF THE THEATRE I (3). *Prerequisite: THE 190 is recommended.* Development of the theatre from ancient times through the sixteenth century, with emphasis on the physical theatre, actors, producer-directors and production styles. Three hours of lecture per week.

THE 357 THEATRE STUDIES IV: HISTORY OF THE THEATRE II (3). *Prerequisite: THE 190 is recommended.* Development of the theatre from the sixteenth century to the late nineteenth century, with emphasis on the physical theatre, actors, producer-directors, and production styles. Three hours of lecture per week.

THE 360 INTERMEDIATE ACTING I: IMPROVISATIONAL APPROACH TO CHARACTER (2). *Prerequisite: THE 260.* Improvisation as a tool to build character while allowing freedom and flexibility of creativity in the actor. Sensitivity exercises, sense and emotional memory and other techniques. One hour lecture and two hours of activity per week.

THE 361 INTERMEDIATE ACTING II: SCRIPT ANALYSIS (3). *Prerequisite: THE 260.* An examination of the written text of the play in order to understand keys to character. Structure and hierarchy of dramatic action as critical guideposts. Three hours of lecture per week.

THE 367 ACTING FOR THE CAMERA (2). *Prerequisite: THE 160 or consent of instructor.* Techniques of performance before the camera. Scenes and presentations will be filmed and/or videotaped both in the studio and on location. One hour lecture and two hours of activity per week.

THE 370 FUNDAMENTALS OF DIRECTING (3). *Prerequisite: THE 261 or consent of instructor.* Techniques and principles of play directing, with practical application. Students direct scenes and short plays. Two hours of lecture and two hours of activity per week.

THE 452 THEATRE STUDIES V: TRAGEDY AND COMEDY (3). *Prerequisite: THE 190 or consent of instructor.* Study of representative dramatic masterpieces from various periods and countries, according to genre, together with an overview of dramatic theory. Three hours of lecture per week.

THE 460 ADVANCED ACTING I: PERIOD STYLE (2). *Prerequisite: THE 360 or consent of instructor.* Workshop directed to acting problems in portraying historical periods. Interrelation of acting, speech, and movement. Periods include the Greeks, the Elizabethan, and the Restoration. One hour of lecture and two hours of activity per week.

THE 461 ADVANCED ACTING II: AUDITION TECHNIQUES (2). *Prerequisite: THE 360 or consent of instructor.* Study and application of techniques involved in preparation for auditions. In addition, the course will also focus on the requirements for a career in acting. One hour of lecture and two hours of activity per week.

THE 490 SEMINAR IN THEATRE ARTS (3). *Prerequisite: THE 190 or consent of instructor.* Discussion and exploration of advanced problems in Theatre Arts. Intensive study of one or more subjects relating to the theatre and drama. Three hours of seminar per week.

THE 494 INDEPENDENT STUDY IN THEATRE ARTS (1-3).* *Prerequisites: Consent of instructor and department chair.* Investigation of a single topic, chosen in consultation with a faculty member, culminating in a paper, presentation, or project.

THE 495 SPECIAL TOPICS IN THEATRE (1-3).* Study of a single topic in drama and theatre, to be determined by the instructor. Topic varies each offering. One to three hours of lecture per week.

UNIVERSITY COURSES

Instructors for University courses are drawn from the general faculty. Courses with the University prefix include 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 Student Affairs. Students are encouraged to seek advisement on a specific developmental sequence or in selecting individual courses to meet their needs or interests.

Lower Division

UNV 001 BASIC SKILLS REVIEW (3).* Individual learning contracts are established in the areas of reading, mathematics, and language utilizing the resources of the Learning Assistance Center. Designed to assist students preparing for the CBEST and other standardized tests. CR/NC grading. Three hours of activity (non-traditional) per week.

UNV 110 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. Two hours of lecture per week.

UNV 206 CAREER AND PERSONAL EXPLORATION (3). Provides clarification and direction toward establishing and reaching career and life goals. Instruction includes career planning, problem-solving and decision-making models which assist in identifying interests, values, skills and fields of study related to career choices. Opportunity for field research and the use of computerized career guidance systems. Three hours of lecture per week.

UNV 220 CONTEMPORARY STUDENT ISSUES (2).* Study of an issue or concern relating to college student populations which is of special interest to both the faculty member and the students. Examples of topics which might be covered are the adjustment of re-entry students, concern facing international students, stress and the effects of racism and sexism. Two hours of lecture per week.

Upper Division

UNV 420 SELF AS COUNSELOR (3).* Counseling theory as it applies in the therapeutic endeavor. Demonstrations of actual counseling sessions by instructor followed by class discussion of the therapeutic process. Students practice counseling in short dyadic encounters. Group sessions provide feedback on counseling skills. Focus on resolution of personal dynamics which might interfere with counselor effectiveness. (May be taken for upper division or graduate credit.). Three hours of lecture per week.

UNV 421 SELF IN GROUP PROCESS (3).* Psychotherapeutic group theory as it applies in the group experience. Demonstrations of actual group facilitation by instructor, followed by discussions exploring the various manifestations of the therapeutic process as they occurred. Student practices in group facilitation. Special emphasis on the student's personality and its effect on his/her group facilitation. (May be taken for upper division or graduate credit.). Three hours of lecture per week.

*Repeatable course.





WOMEN'S STUDIES

Minor

FACULTY

Jeanne Curran (Sociology); Patricia Eliet (English); Lois Feuer (English); Marilyn Garber (History); Lisa Gray-Shellberg (Psychology); Linda Groff (Political Science); Nancy Hollander (History); Linda Pomerantz (History); Sharon Raphael (Sociology); Frank Stricker (History); Marilyn Sutton (English); Judy Todd (Psychology)

June S. Turner, Program Secretary
SBS A-306, (213) 516-3448

PROGRAM DESCRIPTION

Women's Studies is a field of multidisciplinary studies that analyzes the role of women in culture. The study of women in history and contemporary life enables students to consider the distinctive past and present of women, deriving from their unique biological, economic and political situation, and to become familiar with the artistic and literary depiction of women. By studying women of a variety of cultures and ethnicities, insight into the universality and specificity of women's roles is gained. One of the strengths of Women's Studies is its challenge to traditional history through its emphasis on the interrelationship among fields that have often been treated separately. By studying the past and present through women's eyes, we can see the complex interaction of biology, economics, politics and ideology. The purpose of the Women's Studies Minor is to offer students the opportunity to explore the ways in which socio-economic institutions, culture and ideas have combined to determine woman's place and to examine the strategies that women have developed to challenge the limiting parameters of this place.

ACADEMIC ADVISEMENT

Students are expected to seek faculty advisement from faculty in either the History or Sociology Department when they first join the program and on a regular basis thereafter. The faculty can assist students in recommending graduate programs in Women's Studies.

PREPARATION

No specific high school or junior college courses are required as prerequisites. Students are expected to have adequate reading and writing skills and an interest in understanding the complex forces that determine gender roles.

CAREER POSSIBILITIES

A minor in Women's Studies is an excellent preparation for students wishing to better understand the changing relationship of women to the family and work; the minor can help students to evaluate their own choices and options in a rapidly changing society and to understand where and how their talents and skills may best serve their own and society's needs. For those students interested in pursuing advanced degrees, Women's Studies is a solid preparation for fields in the social and behavioral sciences and the humanities. Women's Studies also enables students interested in careers in Human Services or Nursing to understand the sociological and psychological aspects of the families who will receive their services.

MINOR REQUIREMENTS

MINOR IN WOMEN'S STUDIES (15 units)

This program offers students an opportunity to understand the role of women in history and contemporary United States society. This program is the equivalent of a minor in history or sociology.

A. Basic Courses (6 units)

- HIS 380. Women in History (3)
- SOC 334. Women in Society (3)

B. Additional Background (9 units)

1. One of the following (3 units):
 - HIS 379. The Family in History (3); any course on minority or immigrant history where the student concentrates on the role of women; or another history course with the consent of advisor.
 - HIS 395. Special Topics in History (3) (when concerned with women or the family)
2. One of the following (3 units):
 - SOC 320. The Family (3), or
 - SOC 335. Social Movements (3) (when the course concentrates on women)
3. One course from the following list (3 units):
 - ENG 433. Thematic Approaches to Literature (3) (when the course concentrates on women or the family)
 - POL 325. Women and Politics (3)
 - PSY 376. Psychology of Female Identity (3)
 - IDS 320. Interdisciplinary Topics in Human Studies (3) (when the course concentrates on women or the family)

Courses offered in any department or school when the content deals with women or the family, upon consultation with an advisor.

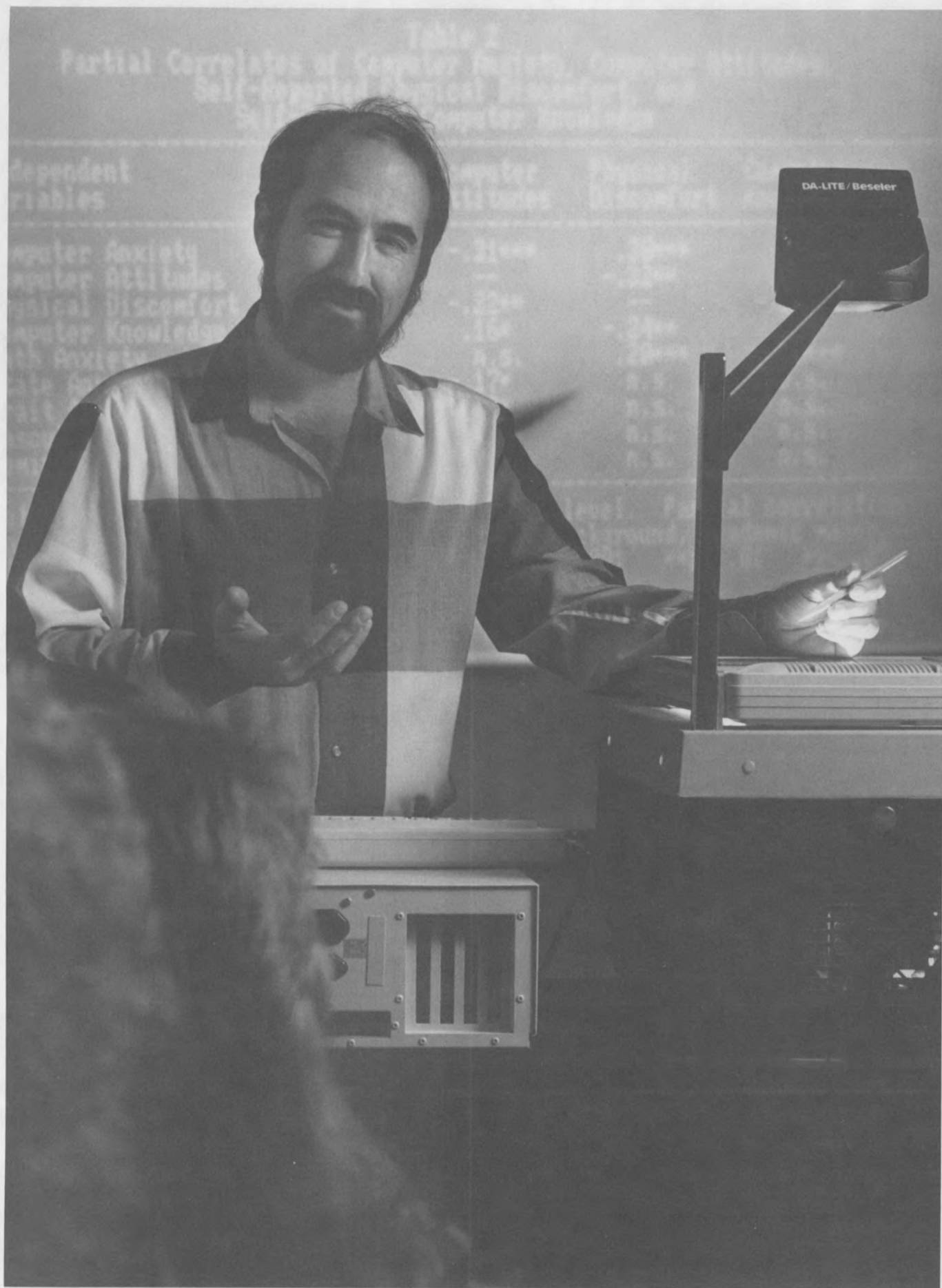


Table 2

Partial Correlates of Computer Anxiety, Computer Attitudes,
Self-Perceived Physical Discomfort, and
Self-Perceived Computer Knowledge

dependent
variables

Computer Anxiety
Computer Attitudes
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Computer Knowledge

Computer
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THE FACULTY

A

HAMIDEH AFSARMANESH (1986)

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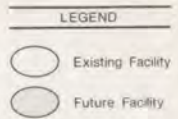
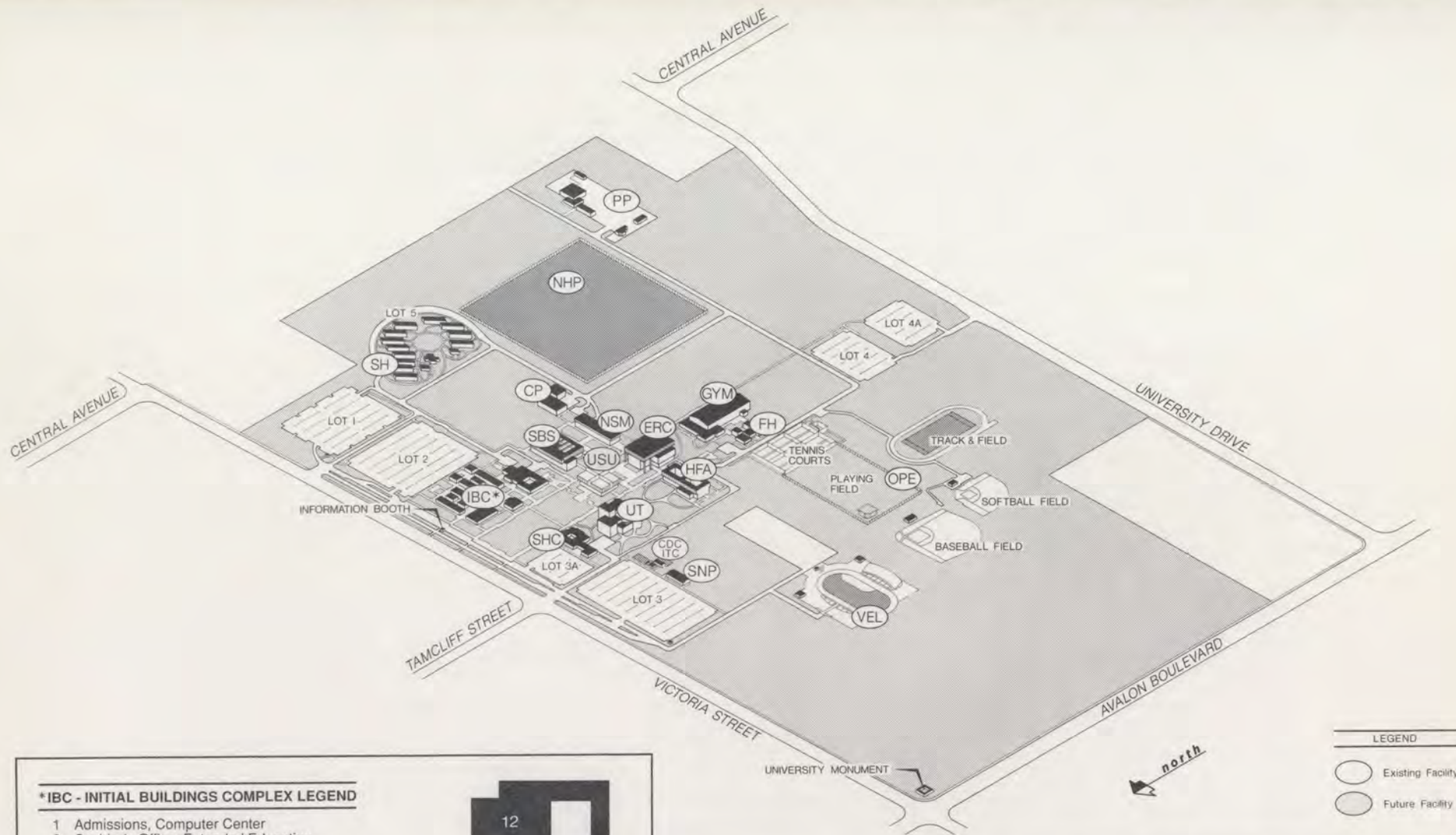
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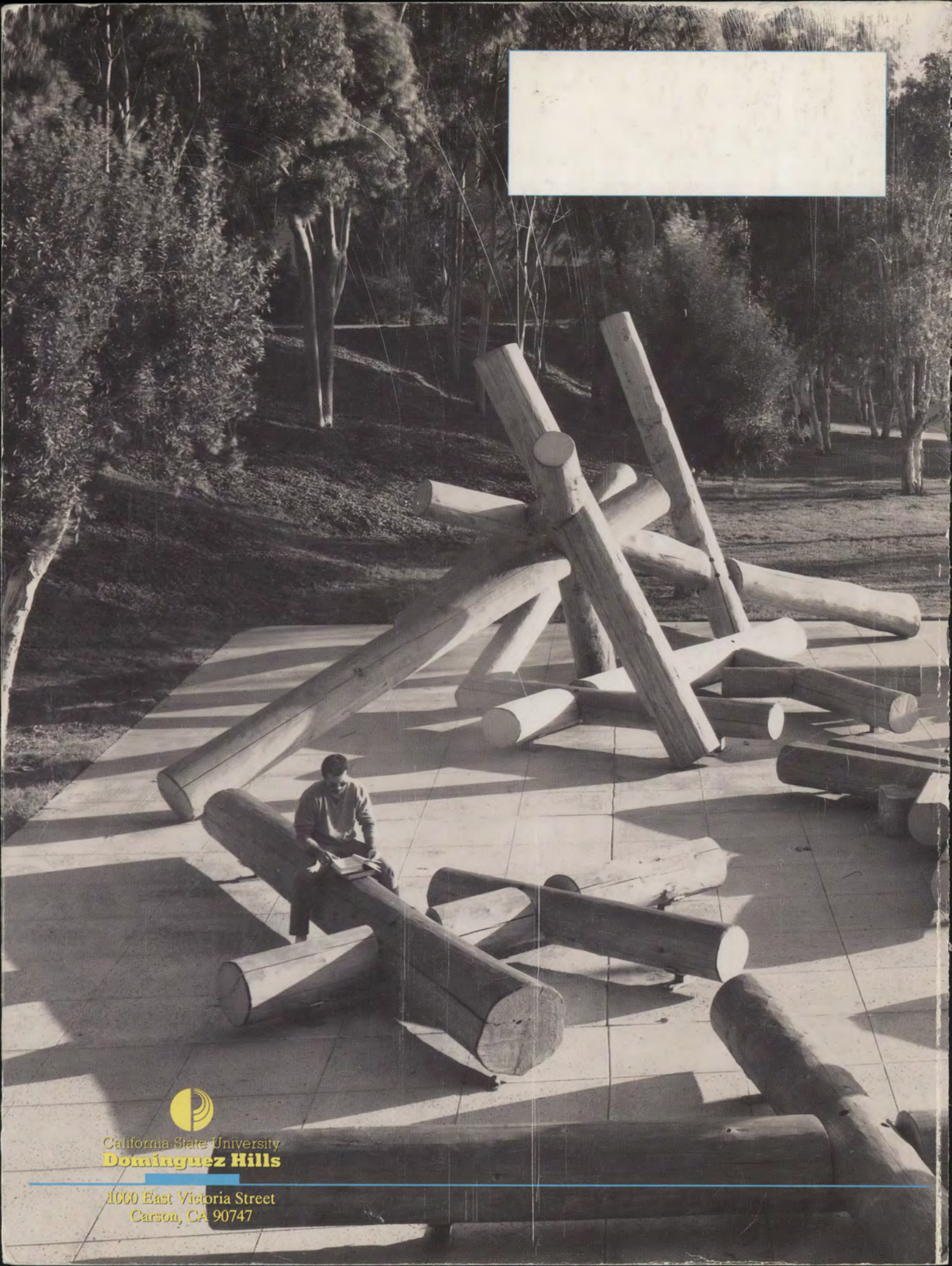
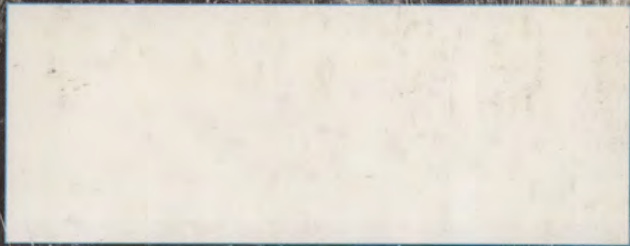
***IBC - INITIAL BUILDINGS COMPLEX LEGEND**

- 1 Admissions, Computer Center
- 2 Cashier's Office, Extended Education, Information Center, Public Safety, Relations with Schools
- 3 Advising Center
- 4 Educational Opportunity Program
- 5 Financial Aid, Student Affirmative Action, Student Development, Testing
- 6 Classrooms, Student Computer Lab
- 7 Classrooms
- 8 Classrooms
- 9 Classrooms
- 10 University Center
- 11 Bookstore
- 12 The Commons: Cafeteria, Serenity Center, Reproduction Services, Student Activities, Student Programs, Student Union, Women's Center
- 13 Registrar: Records and Registration



UNIVERSITY GENERAL LEGEND

- | | |
|--|--|
| CDC - CHILD DEVELOPMENT CENTER | PP - PHYSICAL PLANT
Warehouse and Receiving |
| CP - CENTRAL UTILITY PLANT | SBS - SOCIAL AND BEHAVIORAL SCIENCES
School of Management
School of Social and Behavioral Sciences
Shinwa Japanese Garden |
| ERC - CAIN EDUCATIONAL RESOURCES CENTER
Central Administration Offices, Instructional Media,
Learning Assistance Center, Library, TV Studios | SH - STUDENT HOUSING (Pueblo Dominguez) |
| FH - FIELD HOUSE | SHC - STUDENT HEALTH CENTER
Disabled Students Center, Health Programs and
Psychological Counseling, Veterans Affairs |
| GYM - GYMNASIUM | SNP - STATEWIDE NURSING PROGRAM (Temporary) |
| HFA - HUMANITIES AND FINE ARTS
School of Humanities and Fine Arts
Center for Quality Education | USU - DONALD P. AND KATHERINE B. LOKER
UNIVERSITY STUDENT UNION (Future) |
| IBC - INITIAL BUILDINGS COMPLEX (See legend at left) | UT - UNIVERSITY THEATRE |
| ITC - INFANT TODDLER CENTER | VEL - 7-ELEVEN OLYMPIC VELODROME |
| NHP - NATURAL HISTORY PRESERVE | |
| NSM - NATURAL SCIENCES AND MATHEMATICS
School of Science, Mathematics and Technology | |
| OPE - OUTDOOR PHYSICAL EDUCATION | |



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